

**Paducah Infrastructure Support Services
Final Request for Proposal
DE-SOL-0006383**

**Historical Equipment Maintenance Data – Paducah Infrastructure Support Services
Contract**

For informational purposes, historical equipment maintenance information is provided by DOE for Paducah infrastructure services. Equipment maintenance activities required to successfully perform the new procurement will be dependent on the Offeror's approach to completing all required activities, which may vary significantly from the approach used in the current contract or prior contracts.

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
E303611	Fire truck (1993 CYCLONE TC 1500)			
13-OM-221	Vehicle Maintenance - Corrective	4/23/2013	4/25/2013	Provide labor and materials to replace the broken windows in the Fire Truck and perform inspection - POC Robert Pickard 519-0076/Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
E303610	AMBULANCE (2000 FL60)			
13-OM-534	Vehicle Maintenance - Corrective	8/6/2013	8/19/2013	E303610 (SST) - Provide labor and materials to jump start the SST ambulance - POC Robert Pickard 5010 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-747	Vehicle Maintenance - Corrective	11/12/2013	12/31/2013	Level 3 Work Order: E303610 (SST) - Provide labor and materials to perform the following activities on the Ambulance: [] Troubleshoot and recharge or replace dead battery. - POC Harold Coleman, SST (5031) - POC Robert Pickard, SST (5010 or 519-0076)
CA02302	TRACTOR/MOWER (Mo-Trim) [MXU110]			
11-OM-294	Equipment Maintenance - Preventive	5/5/2011	10/18/2011	CA02302 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CASE III MXU110 MoTrim on a monthly basis - POC Steve lubelt 5408
11-OM-438	Equipment Maintenance - Corrective	6/29/2011	10/17/2011	CA02302 (SST) - Provide labor and materials to replace the hydraulic cylinder on the CASE III MXU110 MoTrim - POC Rudy Lee 5844
11-OM-550	Equipment Maintenance - Corrective	8/23/2011	8/24/2011	CA02302 (SST) - Provide labor and materials to repair safety glass in MoTrim - POC Steve lubelt 5408
11-OM-573	Equipment Maintenance - Corrective	9/6/2011	9/7/2011	CA02302 (SST) - Provide labor and materials to reattach/repair bracket on CASE III MXU110 MoTrim - POC Steve lubelt 5408 Reference 11-GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
11-OM-664	Equipment Maintenance - Corrective	10/17/2011	10/27/2011	CA02302 (SST) - Provide labor and materials to replace the lower window the Lexan on the Motrim - POC Steve lubelt 5408 Reference 11-GENERAL CARPENTER work package and SST-AHA-005, General Carpenter Services
11-OM-741	Equipment Maintenance - Corrective	11/10/2011	11/10/2011	CA02302 (SST) - Provide labor and material to re-attach swing arm cylinder bracket to frame of CASE III MXU110 MoTrim. - POC Steve lubelt 5408 Reference 11-GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
11-OM-744	Equipment Maintenance - Corrective	11/14/2011	11/28/2011	CA02302 (SST) - Provide labor and material to repair rear outside dual tire on Mo-Trim. Survey tire/rim before taking off site for repairs. - POC Roger Hagan 5094 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-540	Equipment Maintenance - Corrective	8/22/2012	8/28/2012	CA02302 (SST) - Provide labor and materials to mount fire extinguisher XV-406884 inside of the CASE III MXU110 MoTrim. It is currently held up with a bungee cord. - POC Steve lubelt 564-5412 & Chris Moore 519-1085 [Result of FPS monthly Fire Extinguisher

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
12-OM-632	Equipment Maintenance - Corrective	10/11/2012	10/25/2012	CA02302 (SST) - Provide labor and materials to remove the old Lexan glass and the metal piece that is obstructing the view of the CASE III MXU110 MoTrim and install one larger piece of Lexan - POC Anthony Gilbert 5043 or JD White 5844/Steve lubelt 564-541
13-OM-147	Equipment Maintenance - Corrective	3/20/2013	4/10/2013	CA02302 (SST) - Provide labor and material to replace the blade mounting plate on the Mo-Trim's mower head (CA02302). - POC Roger Hagan 5094/Steve lubelt 564-5412 Reference 12-GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Me
PMRG-012	Equipment Maintenance - Preventive	3/14/2012	12/31/2012	CA02302 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CASE III MXU110 MoTrim on a monthly basis - POC Steve lubelt 5408
PMRG-012	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02302 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CASE III MXU110 MoTrim on a monthly basis - POC Steve lubelt 5408
SST-11-RG-033	Equipment Maintenance - Corrective	8/30/2011	8/30/2011	CA02302 (SST) - Provide labor to transport CASE III MXU110 MoTrim to vendor to correct/re-weld brackets on pivot arm - POC Steve lubelt 5408
SST-12-RG-013	Equipment Maintenance - Corrective	6/19/2012	7/13/2012	Project done under 11-OM-573 [9/12/11 SRL] CA02302 (SST) - Provide labor and materials to install a sheet metal deflector screen in the cab of the CASE III MXU110 MoTrim to cover the hoses that come from the control panel to the floor on the right of the steering wheel. The deflector should be
SST-12-RG-018	Equipment Maintenance - Corrective	7/17/2012	7/27/2012	CA02302 (SST) - Provide labor and material to grind out and re-weld hydraulic cylinder swing arm support on the Mo-Trim MXU-110 tractor (CA02302). - POC Steve lubelt & Chris Moore 5408
CA03353	BACKHOE LOADER (CATERPILLAR 420E)			
11-OM-290	Equipment Maintenance - Preventive	5/3/2011	10/17/2011	CA03353 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CAT Backhoe on a quarterly basis - POC Steve lubelt 5408
11-OM-355	Equipment Maintenance - Corrective	5/26/2011	7/18/2011	Provide labor and material to troubleshoot/repair A/C on backhoe (CA03353). Mansfield's Automotive will charge / add refrigerant if necessary and will be done off site.
11-OM-525	Equipment Maintenance - Corrective	8/10/2011	9/1/2011	Provide labor and material to replace the two rear tires on CAT Backhoe CA03353. - POC Rudy Lee 5844
11-OM-756	Equipment Maintenance - Corrective	11/14/2011	11/21/2011	CA03353 (SST) - Provide labor and materials to provide preventive maintenance on the Backhoe in preparation for snow removal - POC Steve lubelt 5408 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference 11
12-OM-235	Equipment Maintenance - Corrective	3/22/2012	3/26/2012	CA03353 (SST) - Provide labor and material to replace the right side window latch on Cat Backhoe. - POC Roger Hagan 5094/Robert Pickard 5010 [Safety Related] Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRG-002	Equipment Maintenance - Preventive	3/29/2012	12/31/2012	CA03353 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CAT Backhoe on a quarterly basis - POC Steve lubelt 5408

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMRG-002	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA03353 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on CAT Backhoe on a quarterly basis - POC Steve lubelt 5408
13-OM-334	Equipment Maintenance - Corrective	6/5/2013	6/10/2013	CA03353 (SST) - Provide labor and material to replace the throttle shaft assembly on Cat 420-E backhoe (CA03353). Wayne Supply will be needed to make this repair. A safety flow down will be needed if Wayne performs the work on plant site. - POC Roger H
CA02847	GRADER (JOHN DEERE 770C)			
11-OM-278	Equipment Maintenance - Corrective	4/29/2011	5/20/2011	CA02847 (SST) - Troubleshoot/repair/replace the injector pump on the JD Grader 770C - POC Roger Hagan 5094
11-OM-295	Equipment Maintenance - Preventive	5/5/2011	12/31/2011	CA02847 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on JD Grader 770C on a monthly basis - POC Steve lubelt 5408
11-OM-305	Equipment Maintenance - Corrective	5/6/2011	5/11/2011	CA02847 (SST) - Provide labor and materials to support vendor Diesel Power which is coming to troubleshoot the JD Grader 770C, no work will be performed - POC Roger Hagan 5094
11-OM-367	Equipment Maintenance - Corrective	5/31/2011	6/2/2011	CA02847 (SST) - Provide labor and materials to replace the bulb on the left rear flasher of the JD Grader 770C - POC Rudy Lee 5844
11-OM-503	Equipment Maintenance - Corrective	8/3/2011	8/11/2011	Provide labor and materials to install two new tires on John Deere Grader (CA02847). - POC Steve lubelt 5408
11-OM-780	Snow Removal	12/2/2011	12/9/2011	CA02847 (SST) - Provide labor and materials to take the grading teeth off of the John Deere Grader and install the blade. - POC Steve lubelt 5408 Reference 11-GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
11-OM-295	Equipment Maintenance - Preventive	1/1/2012	2/1/2012	CA02847 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on JD Grader 770C on a monthly basis - POC Steve lubelt 5408
PMRG-004	Equipment Maintenance - Preventive	2/21/2012	12/31/2012	CA02847 (SST) - Provide labor and material to inspect and perform preventive maintenance on JD Grader 770C on a monthly basis.
12-OM-539	Equipment Maintenance - Corrective	8/22/2012	8/29/2012	CA02847 (SST) - Provide labor and materials to mount fire extinguisher XC-401495 inside of the JD Grader to prevent exposure to weather - POC Steve lubelt 564-5412 & Chris Moore 519-1085 [Result of FPS monthly Fire Extinguisher Inspection] Reference 12-
12-OM-732	Equipment Maintenance - Corrective	12/7/2012	12/31/2012	CA02847 (SST) - Provide labor and material to repair door handle, replace wiper blade, install two new bottom window glass and install new door gasket (right side door) on John Deere grader. - POC Roger Hagan 5094/Steve lubelt 564-5412 or Robert Pickard
12-OM-732	Equipment Maintenance - Corrective	1/1/2013	1/10/2013	CA02847 (SST) - Provide labor and material to repair door handle, replace wiper blade, install two new bottom window glass and install new door gasket (right side door) on John Deere grader. - POC Roger Hagan 5094/Steve lubelt 564-5412 or Robert Pickard
PMRG-004	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02847 (SST) - Provide labor and material to inspect and perform preventive maintenance on JD Grader 770C on a monthly basis.

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
E112427	BUS (DOE) [FORD E-350]			
11-OM-046	Vehicle Maintenance - Corrective	1/31/2011	2/8/2011	Jump start the DOE Ford Bus E112427 - POC Harold Coleman 5031 for Kim Crenshaw 6822
11-OM-136	Vehicle Maintenance - Preventive	3/8/2011	3/11/2011	E112427 (DOE) - PM - Preventative Maintenance on Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC DOE - Kim C
11-OM-188	Vehicle Maintenance - Corrective	3/25/2011	4/1/2011	E112427 (DOE) - reattach muffler to DOE Ford Bus
11-OM-256	Vehicle Maintenance - Corrective	4/25/2011	4/25/2011	E112427 (DOE) provide emergency jump to DOE Bus located at C-103
11-OM-337	Vehicle Maintenance - Preventive	5/20/2011	12/31/2011	E112427 (DOE) - Provide labor (garage mechanic) to inspect the DOE bus bi-monthly. Inspection items include but may not be limited to: checking under the hood (oil, transmission fluid, radiator and anti-freeze levels) starting / driving the bus, checking
11-OM-359	Vehicle Maintenance - Corrective	5/26/2011	6/25/2011	E112427 (DOE) - Provide labor and materials to replace the dip stick and tube assembly on the DOE Bus and install the positive dual battery cable - POC Roger Hagan 5094
11-OM-446	Vehicle Maintenance - Corrective	6/30/2011	7/7/2011	E112427 (DOE) - Provide labor and materials to repair the emergency brake on the DOE Bus - POC Christa Dailey 6802
11-OM-698	Vehicle Maintenance - Preventive	10/25/2011	11/17/2011	E112427 (DOE) - PM - Preventative Maintenance on Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Kim Crenshaw
11-OM-337	Vehicle Maintenance - Preventive	1/1/2012	2/22/2012	E112427 (DOE) - Provide labor (garage mechanic) to inspect the DOE bus bi-monthly. Inspection items include but may not be limited to: checking under the hood (oil, transmission fluid, radiator and anti-freeze levels) starting / driving the bus, checking
PMV-001	Vehicle Maintenance - Preventive	3/2/2012	12/31/2012	Perform a weekly inspection on the DOE bus (E112427) every Friday.
PMV-015	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E112427 (DOE) - PM - Preventive Maintenance on 1992 Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - Kim Crenshaw
12-OM-472	Vehicle Maintenance - Corrective	7/23/2012	7/24/2012	E112427 (DOE) - Provide labor and materials to vacuum the DOE bus before Wednesday 7/25/12 - POC Harold Coleman 5031/Steve lubelt 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference 12-GENERAL JANITO
12-OM-476	Vehicle Maintenance - Corrective	7/24/2012	7/24/2012	E112427 (DOE) - Provide labor and materials to have Freon added to the DOE bus before Wednesday 7/25/12 - POC Harold Coleman 5031/Steve lubelt 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-573	Vehicle Maintenance - Corrective	9/6/2012	9/17/2012	E112427 (DOE) - Provide labor and materials to troubleshoot/repair the switch that opens and closes the door on the DOE bus. It will open but will not close. The key switch on the outside of the bus door needs to be tighten so it will not rotate when t
12-OM-591	Vehicle Maintenance - Corrective	9/19/2012	9/21/2012	E112427 (DOE) - Provide labor and materials to repair the door switch that is inside the bus. When the switch is in the closed position, the door opens and when it is in the open position the door closes - POC Anthony Gilbert 5043/Steve lubelt 5408 Resu

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
12-OM-607	Vehicle Maintenance - Corrective	9/25/2012	9/28/2012	E112427 (DOE) - Provide labor and materials to secure the fire extinguisher to the DOE bus. - POC Robert Pickard 5010/Steve lubelt 5408 [Result of FPS monthly Fire Extinguisher Inspection] Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-0
12-OM-672	Vehicle Maintenance - Corrective	11/2/2012	11/2/2012	E112427 (DOE) - Provide labor and materials troubleshoot and repair a possible antifreeze leak on the DOE bus. - POC Robert Pickard 5010/Steve lubelt 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-731	Vehicle Maintenance - Corrective	12/7/2012	12/31/2012	E112427 (DOE) - Provide labor and material to re-work the back door of the DOE bus. The framework for the back door will be replaced and door re-installed. (Carpenter work) - POC Roger Hagan 5094/Chris Moore 519-1085 Reference 12-GENERAL CARPENTER work p
12-OM-731	Vehicle Maintenance - Corrective	1/1/2013	12/16/2013	E112427 (DOE) - Provide labor and material to re-work the back door of the DOE bus. The framework for the back door will be replaced and door re-installed. (Carpenter work) - POC Roger Hagan 5094/Chris Moore 519-1085 Reference 12-GENERAL CARPENTER work p
PMV-001	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	Perform a weekly inspection on the DOE bus (E112427) every Friday.
PMV-015	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E112427 (DOE) - PM - Preventive Maintenance on 1992 Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - Kim Crenshaw
E201626	2000 DUMP TRUCK (NAVISTAR)			
VM - E201626	Vehicle Maintenance - Corrective	1/1/2011	12/31/2011	10/19/10: E201626 - Navistar Dump truck - Run hydraulic lines for salt spreader
SST-11-VM-032	Vehicle Maintenance - Corrective	2/1/2011	12/31/2011	E201626 (SST) - Install two small work lights near each corner of the back bumper of the dump truck facing the rear so the driver could tell if the salt spreader is working by looking in the rear view mirror. The lights would be positioned and sized to ill
11-OM-140	Vehicle Maintenance - Preventive	2/14/2011	3/15/2011	E201626 (SST) - PM - Preventative Maintenance on Navistar Dump Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC
11-OM-193	Vehicle Maintenance - Corrective	3/29/2011	4/7/2011	E201626 (SST) - Repair clutch on Navistar Dump Truck - POC Rudy Lee 5844
11-OM-245	Vehicle Maintenance - Corrective	4/18/2011	4/26/2011	E201626 (SST) - apply sealer to the bed of the Navistar Dump Truck. The material that is to be applied will be approved prior to use - POC Rudy Lee 5844
11-OM-251	Vehicle Maintenance - Corrective	4/20/2011	4/28/2011	E201626 (SST) - Replace a rusted lever that broke off as the bed of the dump truck was being raised - POC Rudy Lee 5844
11-OM-304	Vehicle Maintenance - Corrective	5/6/2011	5/20/2011	E201626 (SST) - Provide labor and materials to repair radiator leak in Navistar dump truck - POC Steve lubelt 5408
11-OM-340	Vehicle Maintenance - Corrective	5/20/2011	5/20/2011	E201626 (SST) - Provide labor and materials to replace the AC condenser on Navistar dump truck - POC Steve lubelt 5408
11-OM-699	Vehicle Maintenance - Preventive	10/25/2011	11/16/2011	E201626 (SST) - PM - Preventative Maintenance on Navistar Dump Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC S

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11-OM-706	Vehicle Maintenance - Corrective	11/1/2011	11/4/2011	E201626 (SST) - Provide labor and materials to replace the missing defroster knob on the Navistar Dump Truck - POC Harold Coleman 5031 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
11-OM-711	Snow Removal	11/2/2011	12/29/2011	E201626 (SST) - Provide labor and materials to re-work the hydraulic system on the Navistar dump truck to make the salt spreader run more efficiently. - POC Steve lubelt 5408 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Gara
11-OM-754	Equipment Maintenance - Corrective	11/14/2011	12/31/2011	E201626 (SST) - Provide labor and materials to provide preventive maintenance on the Dump Truck in preparation for snow removal - POC Steve lubelt 5408 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference
11-OM-754	Equipment Maintenance - Corrective	1/1/2012	1/10/2012	E201626 (SST) - Provide labor and materials to provide preventive maintenance on the Dump Truck in preparation for snow removal - POC Steve lubelt 5408 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference
SST-11-VM-032	Vehicle Maintenance - Corrective	1/1/2012	4/3/2012	E201626 (SST) - Install two small work lights near each corner of the back bumper of the dump truck facing the rear so the driver could tell if the salt spreader is working by looking in the rear view mirror. The lights would be positioned and sized to ill
PMV-016	Vehicle Maintenance - Preventive	6/26/2012	12/31/2012	E201626 (SST) - PM - Preventive Maintenance on 2000 Navistar Dump Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). PO
12-OM-459	Vehicle Maintenance - Corrective	7/19/2012	7/24/2012	E201626 (SST) - Provide labor and materials to repair the air conditioner on the 2000 Navistar Dump Truck. - POC Steve lubelt & Chris Moore 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-602	Vehicle Maintenance - Corrective	9/21/2012	10/4/2012	E201626 (SST) - Provide labor and materials to install a tarp over the bed of the 2000 Navistar Dump Truck. - POC Steve lubelt & Chris Moore 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-677	Vehicle Maintenance - Corrective	11/7/2012	11/19/2012	E201626 (SST) - Provide labor and materials to replace the rear brakes of the 2000 Navistar Dump Truck. - POC Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-016	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E201626 (SST) - PM - Preventive Maintenance on 2000 Navistar Dump Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). PO
VM - E201626	Vehicle Maintenance - Corrective	1/1/2013	12/31/2013	10/19/10: E201626 - Navistar Dump truck - Run hydraulic lines for salt spreader
13-OM-743	Vehicle Maintenance - Corrective	11/12/2013	11/20/2013	Level 3 Work Order: E201626 (SST) - Provide labor and materials to perform the following activities on the Navistar Dump truck: [] Troubleshoot and repair the back up alarm which is not working; [] Troubleshoot and repair the front left turn sig

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CA02301 VEHICLE LIFT (Rotary SM300-200)				
SST-11-FM-025	Equipment Maintenance - Preventive	5/4/2011	5/23/2011	Provide labor and material to perform annual inspection on the Rotary vehicle lift located at C-755-A. A technician with Wannemuehler Oil will perform the inspection. The technician is a heavy duty Rotary authorized installer. RH 5/4/11: During this ye
11-OM-319	Equipment Maintenance - Corrective	5/12/2011	5/19/2011	CA02301 (SST) - Provide labor and materials to clean, vacuum, and lubricate the sliding blocks of the center cradles to prevent binding on the rotary vehicle lift (reference Observation 04 on Assessment # ASMT-2011-008)
11-OM-378	Equipment Maintenance - Preventive	6/6/2011	12/31/2011	Provide labor and materials to perform inspections and maintenance on a daily, monthly, and semi-annual basis for the Rotary Lift CA02301 located in the C-755-A SST Garage per the ANSI standard ANS/ALI ALOIM:2008 and the Operations & Maintenance manual for
11-OM-378	Equipment Maintenance - Preventive	1/1/2012	9/10/2012	Provide labor and materials to perform inspections and maintenance on a daily, monthly, and semi-annual basis for the Rotary Lift CA02301 located in the C-755-A SST Garage per the ANSI standard ANS/ALI ALOIM:2008 and the Operations & Maintenance manual for
PMF-009	Equipment Maintenance - Preventive	5/3/2012	12/31/2012	CA02301 (SST) - Provide labor and materials to have Joe Wannemuehler (cell of 812-568-5847)of Wannemuehler Oil (812-838-2667) perform the annual inspection of the Rotary Lift located at C-755-A. See attachments for manuals, lessons learned, and ES&H vend
PMF-009	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02301 (SST) - Provide labor and materials to have Joe Wannemuehler (cell of 812-568-5847)of Wannemuehler Oil (812-838-2667) perform the annual inspection of the Rotary Lift located at C-755-A. See attachments for manuals, lessons learned, and ES&H vend
13-OM-245	Equipment Maintenance - Corrective	5/6/2013	11/7/2013	CA02301 (SST) - Provide labor and material to install a new oiler and water separator on the Rotary Lift. This is a recommended repair/upgrade by Wannemuehler Oil Co. as found during the annual Rotary Lift Inspection 5/3/13. - POC Steve Iubelt 564-5412 R
13-OM-758	Facility Maintenance - Corrective	11/15/2013	11/27/2013	Level 3 Work Order CA02301 (SST) - Provide labor and materials to perform the following activities on the Vehicle lift located in C-755-A: [] ES&H will need to test paint prior to sanding/cleaning the rusted areas of the CA02301 vehicle lift located
CA02267 Tractor 4x4 (T03) [CASE JX 75]				
11-OM-084	Equipment Maintenance - Corrective	2/9/2011	12/31/2011	CA02267 T03 - maintain/repair CASE III JX75 tractor 4 x 4
11-OM-274	Equipment Maintenance - Preventive	4/29/2011	12/31/2011	CA02267 T03 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor 4 x 4
11-OM-084	Equipment Maintenance - Corrective	1/1/2012	1/23/2012	CA02267 T03 - maintain/repair CASE III JX75 tractor 4 x 4
11-OM-274	Equipment Maintenance - Preventive	1/1/2012	2/15/2012	CA02267 T03 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor 4 x 4

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PMRG-020	Equipment Maintenance - Preventive	6/11/2012	12/31/2012	CA02267 (SST) - Provide labor and material to service/repair Case Tractor (T03) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-020	Equipment Maintenance - Preventive	10/19/2012	10/22/2012	CA02267 (SST) - Provide labor and materials to PM tractor 3 as described in the attached owners' manual PM section.
PMRG-020	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02267 (SST) - Provide labor and material to service/repair Case Tractor (T03) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
CA02289	TRACTOR (T01) [CASE JX 75]			
11-OM-082	Equipment Maintenance - Corrective	2/9/2011	12/31/2011	CA02289 T01 - maintain/repair CASE III JX75 tractor
11-OM-272	Equipment Maintenance - Preventive	4/29/2011	12/31/2011	CA02289 T01 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
11-OM-082	Equipment Maintenance - Corrective	1/1/2012	1/23/2012	CA02289 T01 - maintain/repair CASE III JX75 tractor
11-OM-272	Equipment Maintenance - Preventive	1/1/2012	4/16/2012	CA02289 T01 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
PMRG-016	Equipment Maintenance - Preventive	4/16/2012	12/31/2012	CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRG-016	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-016	Equipment Maintenance - Preventive	2/22/2013	12/31/2013	CA02289 (SST) - Provide labor and materials to PM tractor 1 (T01) as described in the attached owners' manual PM section. [meter reading on 2/22/13 2276 hours] Reference SST-AHA-003, General Maintenance Mechanic Services & SST-AHA-004, General Garage Se
13-OM-197	Equipment Maintenance - Corrective	4/16/2013	4/16/2013	CA02289 (SST) - T01 - Provide labor and materials to have vendor add Freon to the AC unit in the Case Tractor - POC Chris Moore 519-1085/Steve lubelt 564-5412 RH 4/18/2013: Work Order will remain open for the 2013 mowing season, re-charge tractor AC as n
CA02290	TRACTOR (T02) [CASE JX 75]			
11-OM-083	Equipment Maintenance - Corrective	2/9/2011	12/31/2011	CA02290 T02 - maintain/repair CASE III JX75 tractor
11-OM-273	Equipment Maintenance - Preventive	4/29/2011	12/31/2011	CA02290 T02 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
11-OM-386	Equipment Maintenance - Corrective	6/10/2011	6/14/2011	CA02290 T02 - Provide labor and materials to repair the tire on CASE III JX75 tractor
PMRG-019	Equipment Maintenance - Preventive	6/11/2012	12/31/2012	CA02290 (SST) - Provide labor and material to service/repair Case Tractor (T02) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-019	Equipment Maintenance - Preventive	11/1/2012	11/2/2012	CA02290 (SST) - Provide labor and materials to PM tractor 2 (T02) as described in the attached owners' manual PM section. Reference SST-AHA-003, General Maintenance Mechanic Services & SST-AHA-004, General Garage Services

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMRG-019	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02290 (SST) - Provide labor and material to service/repair Case Tractor (T02) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
13-OM-198	Equipment Maintenance - Corrective	4/16/2013	4/16/2013	CA02290 (SST) - T02 - Provide labor and materials to have vendor add Freon to the AC unit in the Case Tractor - POC Chris Moore 519-1085/Steve lubelt 564-5412 RH 4/18/2013: Work Order will remain open for the 2013 mowing season, re-charge tractor AC as n
E201627	WATER TRUCK [FREIGHTLINER FL70]			
11-OM-141	Vehicle Maintenance - Preventive	3/9/2011	3/15/2011	E201627 (SST) - PM - Preventative Maintenance on Freightliner water truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
11-OM-456	Vehicle Maintenance - Corrective	7/7/2011	8/10/2011	Provide labor and materials to replace/repair front left turn signal and determine repair for cracked windshield (perform repair is practical) on E201627 - Laborer vehicle per June 2011 monthly inspection (attached) performed by Steve Russell.
11-OM-498	Vehicle Maintenance - Corrective	8/2/2011	8/11/2011	E201627 (SST) - Provide labor and materials to troubleshoot/repair the Freightliner water truck - POC Rudy Lee 5844
11-OM-700	Vehicle Maintenance - Preventive	10/26/2011	11/17/2011	E201627 (SST) - PM - Preventative Maintenance on Freightliner Water Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
11-OM-705	Vehicle Maintenance - Corrective	11/1/2011	11/9/2011	E201627 (SST) - Provide labor and materials to troubleshoot/repair right rear turn signal on the Freightliner water truck - POC Harold Coleman 5031 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-017	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	Added to sc E201627 (SST) - PM - Preventive Maintenance on 2000 Freightline Water Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed)
PMV-017	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E201627 (SST) - PM - Preventive Maintenance on 2000 Freightline Water Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed)
13-OM-748	Vehicle Maintenance - Corrective	11/12/2013	12/31/2013	Level 3 Work Order: E201627 (SST) - Provide labor and materials to perform the following activities on the Freightliner Water Truck: [] Troubleshoot and recharge or replace dead battery. - POC Harold Coleman, SST (5031) - POC Robert Pickard, SST (50
CA02266	Tractor (T04) [CASE JX 75]			
11-OM-085	Equipment Maintenance - Corrective	2/9/2011	12/31/2011	CA02266 T04 - maintain/repair CASE III JX75 tractor
11-OM-250	Equipment Maintenance - Corrective	4/20/2011	4/27/2011	CA02266 T04 - Repair a short in the wiring causing electrical and HVAC problems with the CASE III JX75 tractor - POC Rudy Lee 5844

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
11-OM-275	Equipment Maintenance - Preventive	4/29/2011	12/31/2011	CA02266 T04 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
11-OM-326	Equipment Maintenance - Corrective	5/16/2011	6/27/2011	CA02266 T04 - Provide labor and materials to split the tractor in half and repair the rear main seal on CASE III JX75 tractor
11-OM-085	Equipment Maintenance - Corrective	1/1/2012	1/23/2012	CA02266 T04 - maintain/repair CASE III JX75 tractor
11-OM-275	Equipment Maintenance - Preventive	1/1/2012	4/13/2012	CA02266 T04 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
PMRG-021	Equipment Maintenance - Preventive	5/16/2012	12/31/2012	CA02266 (SST) - Provide labor and material to service/repair Case Tractor (T04) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
12-OM-590	Equipment Maintenance - Corrective	9/18/2012	9/26/2012	CA02266 T04 (SST) - Provide labor and materials to replace the stabilizer bar seals on this Case Tractor - POC Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRGM-021	Equipment Maintenance - Preventive	9/26/2012	12/31/2012	CA02266 (SST) - Provide labor and materials to PM tractor 4 as described in the attached owners' manual PM section.
12-OM-729	Equipment Maintenance - Corrective	12/7/2012	12/7/2012	CA02266 (SST) - Provide labor and materials to change the power steering fluid reservoir on tractor 4 (T04) - POC Robert Pickard 5010 or Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRG-021	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02266 (SST) - Provide labor and material to service/repair Case Tractor (T04) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-021	Equipment Maintenance - Preventive	1/1/2013	3/18/2013	CA02266 (SST) - Provide labor and materials to PM tractor 4 as described in the attached owners' manual PM section.
13-OM-196	Equipment Maintenance - Corrective	4/16/2013	4/16/2013	CA02266 (SST) - T04 - Provide labor and materials to have vendor add Freon to the AC unit in the Case Tractor - POC Chris Moore 519-1085/Steve lubelt 564-5412 RH 4/18/2013: Work Order will remain open for the 2013 mowing season, re-charge tractor AC as n
CA02268	Tractor (T05) [CASE JX 75]			
11-OM-086	Equipment Maintenance - Corrective	2/9/2011	12/31/2011	CA02268 T05 - maintain/repair CASE III JX75 tractor
11-OM-276	Equipment Maintenance - Preventive	4/29/2011	12/31/2011	CA02268 T05 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
11-OM-086	Equipment Maintenance - Corrective	1/1/2012	1/23/2012	CA02268 T05 - maintain/repair CASE III JX75 tractor
11-OM-276	Equipment Maintenance - Preventive	1/1/2012	4/11/2012	CA02268 T05 - Provide labor and materials to perform preventative maintenance (PM) services on CASE III JX75 tractor
PMRG-009	Equipment Maintenance - Preventive	3/5/2012	12/31/2012	CA02268 (SST) - Provide labor and material to service/repair Case Tractor (T-5) as needed. During mowing season, tractor will be inspected / serviced weekly.
12-OM-654	Equipment Maintenance - Corrective	10/24/2012	10/25/2012	CA02268 (SST) - Provide labor and material to repair the PTO shaft on the Case Tractor T05 - POC Steve lubelt 5408 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRGM-009	Equipment Maintenance - Preventive	10/26/2012	12/31/2012	CA02268 (SST) - Provide labor and materials to PM tractor 5as described in the attached owners' manual PM section (T05).

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMRG-009	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02268 (SST) - Provide labor and material to service/repair Case Tractor (T-5) as needed. During mowing season, tractor will be inspected / serviced weekly.
PMRGM-009	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02268 (SST) - Provide labor and materials to PM tractor Sas described in the attached owners' manual PM section (T05).
13-OM-195	Equipment Maintenance - Corrective	4/16/2013	4/16/2013	CA02268 (SST) - T05 - Provide labor and materials to have vendor add Freon to the AC unit in the Case Tractor - POC Chris Moore 519-1085/Steve lubelt 564-5412 RH 4/18/2013: Work Order will remain open for the 2013 mowing season, re-charge tractor AC as n
0ESS131	ESCAPE 2009 (FORD HYBRID)			
11-OM-137	Vehicle Maintenance - Preventive	3/8/2011	3/21/2011	ESS131 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Se
11-OM-658	Vehicle Maintenance - Preventive	10/13/2011	11/2/2011	E303622 formerly ESS131 (SST) - Provide labor and materials to perform preventative maintenance (PM) service (oil change and filter, adjust tire pressure, wipers) for the black Ford Escape which as an "oil change is required" light on - POC Chuck Moreland
12-OM-435	Vehicle Maintenance - Corrective	7/2/2012	7/24/2012	E303622 formerly ESS131 (SST) - Provide labor and materials to replace wiper blades per the attached monthly inspection sheet - POC Ronda Hayes 5099/Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Se
12-OM-709	Vehicle Maintenance - Preventive	11/28/2012	12/4/2012	E303622 formerly ESS131 (SST) - Provide labor and materials to perform preventative maintenance (PM) service (oil change and filter, adjust tire pressure, wipers) for the black Ford Escape which as an "oil change is required" light on. Fill out attached ve
PMV-003	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303622 formerly ESS131 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-012	Vehicle Maintenance - Corrective	1/9/2013	1/15/2013	E303622 formerly ESS131 (SST) - Provide labor and materials to troubleshoot and repair the back window on the driver's side of the SST Security Escape. It is not functioning properly - POC Jeff Harris 525/Harold Coleman 5031/Steve lubelt 564-5412 Refere
PMV-003	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303622 formerly ESS131 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
0ESS132 ESCAPE 2009 (FORD HYBRID)				
11-OM-138	Vehicle Maintenance - Preventive	3/8/2011	4/1/2011	ESS132 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Sec
11-OM-568	Vehicle Maintenance - Corrective	9/1/2011	9/15/2011	E303623 formerly ESS132 (SST) - Check Engine Light coming on. Fleet manager says that garage mechanics can do a diagnostic check for the problem but as a reminder this vehicle may still be under warranty so he maybe able to schedule it for Paducah For
12-OM-156	Vehicle Maintenance - Preventive	2/27/2012	3/6/2012	E303623 formerly ESS132 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
12-OM-440	Vehicle Maintenance - Corrective	7/6/2012	7/12/2012	E303623 formerly ESS132 (SST) - Provide labor and materials to troubleshoot/repair the "check engine" light and low tire pressure light on the 2009 Ford Escape Hybrid. -POC Security Group - Betty Hart 5417/Robert Pickard 5010 Reference 12-GENERAL GARA
PMV-004	Vehicle Maintenance - Preventive	8/29/2012	12/31/2012	E303623 formerly ESS132 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
12-OM-720	Vehicle Maintenance - Corrective	12/4/2012	12/4/2012	E303623 formerly ESS132 (SST) - Provide labor and materials to evaluate the tires on this vehicle, also determine is tire pressure sensor is the issue. - POC Kara Doughty 5252/Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and
PMV-004	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303623 formerly ESS132 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-533	Vehicle Maintenance - Corrective	8/5/2013	8/20/2013	E303623 formerly ESS132 (SST) - Provide labor and materials to troubleshoot and repair, if necessary, the cause of the "low tire pressure" light which has illuminated on the Ford Escape - POC Betty Hart 5417/Steve lubelt 564-5412 Reference the GENERAL G
0ESS133 ESCAPE 2009 (FORD HYBRID)				
11-OM-133	Vehicle Maintenance - Preventive	3/17/2011	3/17/2011	ESS133 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC E&A
11-OM-507	Vehicle Maintenance - Preventive	8/3/2011	8/11/2011	E303624 formerly ESS133 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if
11-OM-689	Vehicle Maintenance - Preventive	10/25/2011	11/21/2011	E303624 formerly ESS133 (SST) - Provide labor and materials to check the wiper blades and wiper motor on Ford Escape Hybrid, the wiper blades are excessively noisy when in use. - POC Anthony Gilbert 5043 Reference 11-GENERAL GARAGE MECHANIC work package

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
11-OM-813	Vehicle Maintenance - Corrective	12/14/2011	12/15/2011	E303624 formerly ESS133 (SST) - Provide labor and material to repair left rear tire on Ford Escape (E303624). Vehicle is currently located on the south side of C-755 T-23. - POC Robert Pickard 5010 Reference 11-GENERAL GARAGE MECHANIC work package and SS
PMV-005	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303624 formerly ESS133 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
PMV-005	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303624 formerly ESS133 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
0ESS134	ESCAPE 2009 (FORD HYBRID)			
11-OM-144	Vehicle Maintenance - Preventive	3/9/2011	3/15/2011	ESS134 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC IT
11-OM-544	Vehicle Maintenance - Preventive	8/19/2011	9/2/2011	E303625 formerly ESS134 (SST) Provide labor and materials to perform PM services for E303625 (2009 Ford Escape). Please contact Steve Vick (5116) to set up an appointment.
PMV-006	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303625 formerly ESS134 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
PMV-006	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303625 formerly ESS134 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-068	Vehicle Maintenance - Corrective	2/19/2013	3/1/2013	E303625 formerly ESS134 (SST) Provide labor and materials to replace the back-up alarm on E303625 (2009 Ford Escape). Please contact Steve Vick (5116)/Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage
0ESS135	ESCAPE 2009 (FORD HYBRID)			
11-OM-134	Vehicle Maintenance - Preventive	3/8/2011	3/17/2011	ESS135 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC E&A
11-OM-508	Vehicle Maintenance - Preventive	8/3/2011	8/12/2011	E303626 formerly ESS135 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed)
11-OM-690	Vehicle Maintenance - Preventive	10/25/2011	11/21/2011	E303626 formerly ESS135 (SST) - Provide labor and materials to check the wiper blades and wiper motor on Ford Escape Hybrid, the wiper blades are excessively noisy when in use. - POC Anthony Gilbert 5043 Reference 11-GENERAL GARAGE MECHANIC work package

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMV-007	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303626 formerly ESS135 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
PMV-007	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303626 formerly ESS135 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-026	Vehicle Maintenance - Corrective	1/31/2013	1/31/2013	E303626 formerly ESS135 (SST) - Provide labor and materials to troubleshoot and repair either the low tire pressure light and/or sensor for the right rear tire or the right rear tire it's self on this vehicle that is part of the Kevin car pool - POC Harold
13-OM-815	Vehicle Maintenance - Corrective	12/30/2013	12/31/2013	Level 3 Work Order: E303626 (SST) - Provide labor and materials to perform the following activities on Ford Escape: [] Replace/repair the windshield washer nozzle [] Troubleshoot and repair the low tire pressure alarm - POC Steve lubelt, SST
OESS136	ESCAPE 2009 (FORD HYBRID)			
11-OM-135	Vehicle Maintenance - Preventive	3/8/2011	3/16/2011	ESS136 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC ES&
11-OM-691	Vehicle Maintenance - Preventive	10/25/2011	10/27/2011	E303627 formerly ESS136 (SST) - PM - Preventative Maintenance on Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed)
PMV-008	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303627 formerly ESS136 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
PMV-008	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303627 formerly ESS136 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-021	Vehicle Maintenance - Corrective	1/15/2013	1/18/2013	E303627 formerly ESS136 (SST) - Provide labor and materials replace the windshield wipers on the Ford Escape POC Anthony Gilbert 5043/Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-499	Vehicle Maintenance - Corrective	7/23/2013	8/5/2013	E303627 formerly ESS136 (SST) - Provide labor and materials troubleshoot and repair a noise rattle in the lift door on the Ford Escape - POC Becky Keeling 5190/Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, Gen

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
CA01303	FARM TRACTOR (JOHN DEERE 5300)			
11-OM-228	Equipment Maintenance - Corrective	4/14/2011	11/17/2011	CA01303 (SST) - John Deere 5300 tractor needs tire repair - POC Steve lubelt 5408
CA02859	TRACTOR - Kubota Mower (KM-1) [F3680]			
PMRG-005	Equipment Maintenance - Preventive	1/1/2011	12/31/2011	CA02859 (SST) - Provide labor and material to service Kubota mower (KM-1) as needed. During mowing season, mower will be inspected / serviced weekly.
11-OM-105	Equipment Maintenance - Corrective	2/24/2011	12/31/2011	CA02859 KM-1 - maintain/repair Kubota mower
11-OM-379	Equipment Maintenance - Preventive	5/13/2011	6/20/2011	CA02859 KM-1 - Inspect hydraulic lines and system on Kubota mower
11-OM-409	Equipment Maintenance - Corrective	6/20/2011	7/6/2011	CA02859 KM-1 - Provide labor and materials to replace the power steering hydraulic lines in the Kubota mower with new hydraulics now and to replace them again every March - POC Anthony Gilbert 5043
11-OM-755	Equipment Maintenance - Corrective	11/14/2011	11/28/2011	CA02859 (SST) - Provide labor and materials to provide preventive maintenance on the Kubota KM-1 in preparation for snow removal - POC Steve lubelt 5408 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference
11-OM-105	Equipment Maintenance - Corrective	1/1/2012	3/19/2012	CA02859 KM-1 - maintain/repair Kubota mower
PMRG-005	Equipment Maintenance - Preventive	1/1/2012	12/31/2012	CA02859 (SST) - Provide labor and material to service Kubota mower (KM-1) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-005	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02859 (SST) - Provide labor and material to service Kubota mower (KM-1) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-034	Equipment Maintenance - Preventive	2/20/2013	4/17/2013	CA02859 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-1) on a yearly basis - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
PMRG-038	Equipment Maintenance - Preventive	2/20/2013	4/16/2013	CA02859 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-1) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA02860	TRACTOR - Kubota Mower (KM-2) [F3680]			
11-OM-106	Equipment Maintenance - Corrective	2/24/2011	12/31/2011	CA02860 KM-2 - maintain/repair Kubota mower
11-OM-380	Equipment Maintenance - Preventive	6/7/2011	6/20/2011	CA02860 KM-2 - Inspect hydraulic lines and system on Kubota mower
11-OM-410	Equipment Maintenance - Corrective	6/20/2011	7/12/2011	CA02860 KM-2 - Provide labor and materials to replace the power steering hydraulic lines in the Kubota mower with new hydraulics now and to replace them again every March - POC Anthony Gilbert 5043
11-OM-106	Equipment Maintenance - Corrective	1/1/2012	2/23/2012	CA02860 KM-2 - maintain/repair Kubota mower
PMRG-006	Equipment Maintenance - Preventive	2/23/2012	12/31/2012	CA02860 (SST) - Provide labor and material to service Kubota mower (KM-2) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-006	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA02860 (SST) - Provide labor and material to service Kubota mower (KM-2) as needed. During mowing season, mower will be inspected / serviced weekly.

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMRG-035	Equipment Maintenance - Preventive	2/20/2013	3/14/2013	CA02860 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-2) on a yearly basis - POC Steve Lubelt 564-5412 Reference SST-AHA-004, General Garage Services
PMRG-039	Equipment Maintenance - Preventive	2/20/2013	2/25/2013	CA02860 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-2) every 2 years - POC Steve Lubelt 564-5412 Reference SST-AHA-004, General Garage Services
E110859	1995 DODGE VAN [3500 VAN WAGON]			
11-OM-139	Vehicle Maintenance - Preventive	3/9/2011	11/22/2011	E110859 (SST) - PM - Preventative Maintenance on Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O&M Group E
11-OM-506	Vehicle Maintenance - Corrective	8/3/2011	8/24/2011	E110859 (SST) - Provide labor and materials to repair the 1995 Dodge Van per the attached July 29, 2011 vehicle inspection sheet (latches, door seal, wiper blades, etc.) - POC Paul Ertle 5401
11-OM-695	Vehicle Maintenance - Preventive	10/25/2011	11/16/2011	E110859 (SST) - PM - Preventative Maintenance on Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Bill Coffman
PMV-012	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E110859 (SST) - PM - Preventive Maintenance on 1995 Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC ES&H gro
PMV-012	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E110859 (SST) - PM - Preventive Maintenance on 1995 Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC ES&H gro
13-OM-621	Vehicle Maintenance - Corrective	9/5/2013	9/5/2013	Level 3 Work Order: E110859 (SST) - Provide labor and materials to perform the following activities for the Dodge Van: => HOLD POINT: Have SST Radcon perform a survey on E110859 to leave at the vendor; => Take E110859 to vendor for AC repairs; and =>
E110936	TRUCK, VAN (Less than 8,500 GVW) [CHEVROLET ASTRO VAN]			
11-OM-072	Vehicle Maintenance - Corrective	2/7/2011	2/7/2011	E110936 (SST) - Heat will not work in janitors van - POC Robert Pickard 5010
11-OM-095	Janitorial	2/15/2011	2/21/2011	E110936 (SST) - take out the back seat of the janitors' Chevy Van
11-OM-131	Vehicle Maintenance - Preventive	3/8/2011	3/16/2011	E110936 (SST) - PM - Preventative Maintenance on Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O&M Group J
11-OM-306	Vehicle Maintenance - Corrective	5/6/2011	5/6/2011	E110936 (SST) - new battery for Janitors Chevy Van - POC Roger Hagan 5094
11-OM-376	Vehicle Maintenance - Corrective	6/3/2011	6/6/2011	E110936 (SST) - provide labor and materials to add antifreeze to the janitor Chevy Van - POC Betty Hill
11-OM-419	Vehicle Maintenance - Corrective	6/22/2011	6/24/2011	E110936 (SST) - Provide labor and materials to troubleshoot/repair the AC in the janitor Chevy Van - POC Robert Pickard 5010

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
11-OM-697	Vehicle Maintenance - Preventive	10/25/2011	11/16/2011	E110936 (SST) - PM - Preventative Maintenance on Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Robert Pick
12-OM-230	Vehicle Maintenance - Corrective	3/21/2012	3/26/2012	E110936 (SST) - Provide labor and materials to replace the water pump and thermostat in the janitor's Chevy Astro Van - POC Roger Hagan 5094 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-014	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E110936 (SST) - PM - Preventive Maintenance on 1996 Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Janitors
12-OM-324	Vehicle Maintenance - Corrective	5/4/2012	6/11/2012	E110936 (SST) - Provide labor and materials to replace the rear wiper blade on the janitor's 1996 Chevy Astro Van - POC Harold Coleman 5031/Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-603	Vehicle Maintenance - Corrective	9/21/2012	10/2/2012	E110936 (SST) - Provide labor and materials to troubleshoot and repair issue with air bag light that is on - POC Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-014	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E110936 (SST) - PM - Preventive Maintenance on 1996 Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Janitors
13-OM-045	Vehicle Maintenance - Corrective	2/1/2013	2/12/2013	E110936 (SST) - Provide labor and material to repair heat and door locks on 1996 Chevy Van (E110936). - POC Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-479	Vehicle Maintenance - Corrective	7/18/2013	7/26/2013	E110936 (SST) - Provide labor and material to repair HVAC on 1996 Chevy Van (E110936). - POC Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-530	Vehicle Maintenance - Corrective	8/2/2013	8/6/2013	E110936 (SST) - Provide labor and material to repair outside door latch on the blue 1996 Chevy Van (E110936). - POC Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-609	Vehicle Maintenance - Corrective	8/29/2013	9/4/2013	E110936 (SST) - Provide labor and material to perform the following activities: => Troubleshoot and repair the overheating issue with 1996 Chevy Van (E110936). - POC Steve lubelt (SST) 5408 or 564-5412/Chris Moore (SST) 5408 or 519-1085 or Robert Pickard
13-OM-691	Vehicle Maintenance - Corrective	10/3/2013	10/28/2013	Level 3 Work Order: E110936 (SST) - Provide labor and materials to perform or support the following activities: [] Troubleshoot and repair vehicle for the following services as identified by the September 2013 vehicle inspection form: => back wiper
13-OM-831	Vehicle Maintenance - Corrective	12/23/2013	12/31/2013	Level 3 URGENT: E110936 (SST) - Provide labor and materials to perform or support the following activities: [] Tow vehicle from C-746-U landfill to C-755 using tow strap/tow vehicle. ES&H Approves of method utilizing lead vehicle and rear spotter. Ba

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
CA03199	MOWER Kubota (KM-3) [F3680]			
11-OM-107	Equipment Maintenance - Corrective	2/24/2011	12/31/2011	CA03199 KM-3 - maintain/repair Kubota mower
11-OM-381	Equipment Maintenance - Preventive	6/7/2011	6/24/2011	CA03199 KM-3 - Inspect hydraulic lines and system on Kubota mower
11-OM-411	Equipment Maintenance - Corrective	6/20/2011	7/11/2011	CA03199 KM-3 - Provide labor and materials to replace the power steering hydraulic lines in the Kubota mower with new hydraulics now and to replace them again every March - POC Anthony Gilbert 5043
11-OM-556	Equipment Maintenance - Corrective	8/24/2011	8/25/2011	CA03199 (SST) - Provide labor and material to repair Kubota mower (KM-3) guide wheel assembly. - POC Steve lubelt 5408
11-OM-107	Equipment Maintenance - Corrective	1/1/2012	2/23/2012	CA03199 KM-3 - maintain/repair Kubota mower
PMRG-007	Equipment Maintenance - Preventive	3/9/2012	12/31/2012	CA03199 (SST) - Provide labor and material to service Kubota mower (KM-3) as needed. During mowing season, mower will be inspected / serviced weekly.
12-OM-673	Equipment Maintenance - Corrective	11/2/2012	11/2/2012	CA03199 (SST) - Provide labor and material to repair the broken U-joint on the Kubota mower (KM-3). - POC Steve lubelt 5408 Provide copy of completed package to Anthony Gilbert for IER corrective action. Reference 12-GENERAL GARAGE MECHANIC work package
PMRG-007	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA03199 (SST) - Provide labor and material to service Kubota mower (KM-3) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-036	Equipment Maintenance - Preventive	2/20/2013	3/14/2013	CA03199 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-3) on a yearly basis - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
PMRG-040	Equipment Maintenance - Preventive	2/20/2013	3/11/2013	CA03199 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-3) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA01302	TRACTOR MOWER (JOHN DEERE 955)			
11-OM-254	Equipment Maintenance - Corrective	4/20/2011	9/6/2011	CA01302 (SST) - Repair fuel filter housing and mounting bracket on JD 955 - POC Rudy Le
11-OM-291	Equipment Maintenance - Preventive	5/3/2011	7/13/2011	CA01302 (SST) - Provide labor and materials to perform preventative maintenance (PM) services on JD 955. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis [2nd week of each month] - POC Rudy Lee 5844/
PMRG-025	Equipment Maintenance - Preventive	6/11/2012	12/31/2012	CA01302 (SST) - Provide labor and materials to service/repair the JD 955 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during
PMRG-025	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA01302 (SST) - Provide labor and materials to service/repair the JD 955 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during
13-OM-266	Equipment Maintenance - Corrective	5/13/2013	5/13/2013	CA01302 (SST) - Provide labor and material to install barrel type spray rig with PTO driven pump on John Deere tractor # CA01302. - POC Chris Moore 519-1085/Steve lubelt 564-5412

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
E110923 TRUCK, PICK-UP (GMC 2500SL)				
10-OM-330	Vehicle Maintenance - Preventive	1/1/2011	1/12/2011	E110923 (SST) - PM - Preventative Maintenance: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O&M Group Janitor - Ro
11-OM-130	Vehicle Maintenance - Preventive	3/8/2011	3/16/2011	E110923 (SST) - PM - Preventative Maintenance on GMC Utility truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O&M
11-OM-164	Vehicle Maintenance - Corrective	3/16/2011	4/7/2011	E110923 (SST) - Re-work exhaust system, replace windshield washer reservoir, replace heater-fan control cluster on 95 GMC 2500 5 liter janitor vehicle - POC Bob Pickard 5010
11-OM-455	Vehicle Maintenance - Corrective	7/7/2011	7/19/2011	Provide labor and materials to repair the passenger door latch on E110923 - Janitorial vehicle per June 2011 monthly inspection (attached) performed by Chris Moore & Gary Chambers
11-OM-483	Vehicle Maintenance - Corrective	7/20/2011	7/20/2011	E110923 (SST) - Provide labor and materials to change the battery in the janitors GMC Truck - POC Rudy Lee 5844
11-OM-696	Vehicle Maintenance - Preventive	10/25/2011	11/16/2011	E110923 (SST) - PM - Preventative Maintenance on GMC Utility Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC Rob
12-OM-004	Vehicle Maintenance - Corrective	1/4/2012	1/10/2012	E110923 (SST) - Provide labor and materials to replace the starter on GMC Utility Truck (janitor) - POC Robert Pickard 5010 Reference 11-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-229	Vehicle Maintenance - Corrective	3/21/2012	3/21/2012	E110923 (SST) - Provide labor and materials to troubleshoot/repair overheating issues with the GMC Utility Truck (janitor) - POC Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-276	Vehicle Maintenance - Corrective	4/13/2012	4/25/2012	E110923 (SST) - Provide labor and materials to repair catalytic converter on the janitors' vehicle - POC Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-013	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E110923 (SST) - PM - Preventive Maintenance on 1995 GMC Utility Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC
12-OM-425	Vehicle Maintenance - Corrective	6/27/2012	7/6/2012	E110923 (SST) - Provide labor and materials to troubleshoot/repair the AC on the janitors' vehicle - POC Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-494	Vehicle Maintenance - Corrective	8/2/2012	8/7/2012	E110923 (SST) - Provide labor and materials to troubleshoot/repair the seatbelt on the janitors' vehicle - POC Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
12-OM-760	Vehicle Maintenance - Corrective	12/27/2012	12/27/2012	Fleet Management Provide labor and materials to perform preventive maintenance (PM) service (oil change and filter, adjust tire pressure, wipers) for the 2011 Chevy C2500 (garage mechanics) - POC Steve lubelt 564-5412

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
PMV-013	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E110923 (SST) - PM - Preventive Maintenance on 1995 GMC Utility Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC
13-OM-011	Vehicle Maintenance - Corrective	1/9/2013	1/10/2013	E110923 (SST) - Provide labor and materials to troubleshoot and repair the transmission shift linkage on the 1995 GMC Utility Vehicle that the janitors use - POC Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, Ge
13-OM-368	Vehicle Maintenance - Corrective	6/11/2013	6/26/2013	E110923 (SST) - Provide labor and materials to change the wiper blades on the 1995 GMC Utility Vehicle that the janitors use - POC Harold Coleman 5031/Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Gara
13-OM-796	Vehicle Maintenance - Corrective	12/11/2013	12/18/2013	Level 3 Urgent: E110923 (SST) - Provide labor and materials to perform the following activities: [] Replace the door handle on the GMC truck E110923 (Janitorial). - POC Steve lubelt, SST (5408 or 564-5412) Reference the GENERAL GARAGE MECHANIC wo
0ESS138	TRUCK (FORD F-150)			
11-OM-143	Vehicle Maintenance - Preventive	3/9/2011	3/15/2011	ESS138 (SST) - PM - Preventative Maintenance on Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O&M Group
11-OM-261	Vehicle Maintenance - Corrective	4/27/2011	5/5/2011	ESS138 (SST) - Provide labor and materials to repair window/roof leak on Red Ford ESS138 - POC Steve lubelt 5408
11-OM-693	Vehicle Maintenance - Preventive	10/25/2011	10/25/2011	E303629 formerly ESS138 (SST) - PM - Preventative Maintenance on Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed)
PMV-010	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	E303629 formerly ESS138 (SST) - PM - Preventive Maintenance on 2010 Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if need
12-OM-724	Vehicle Maintenance - Corrective	12/6/2012	12/17/2012	E303629 formerly ESS138 (SST) - Provide labor and materials to troubleshoot and repair the tire monitor light on the Ford F-150. The light is on and the tires appear okay. See attached monthly vehicle inspection form - POC Harold Coleman 5031/Steve lub
PMV-010	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303629 formerly ESS138 (SST) - PM - Preventive Maintenance on 2010 Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if need
13-OM-744	Vehicle Maintenance - Corrective	11/12/2013	11/19/2013	Level 3 Work Order: E303629 formerly ESS138 (SST) - Provide labor and materials to perform the following activities on this F-150 truck: [] Troubleshoot and repair the back up alarm which is not working. - POC Harold Coleman, SST (5031) - POC Robe

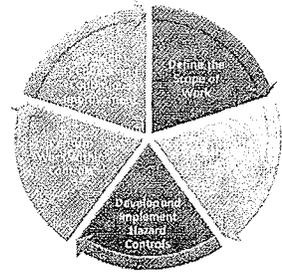
Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
CA03397 UTILITY VEHICLE (POLARIS RANGER EV LSV)				
11-OM-331	Equipment Maintenance - Corrective	5/17/2011	6/2/2011	CA03397 Polaris (SST) - Check utility vehicle to ensure it has operational flashing yellow lights, and install lights as necessary. This is CATS Item #721 assigned to Anthony Gilbert and has a suggested due date of 6/30/11 (in case parts must be ordered)
PMRG-026	Equipment Maintenance - Preventive	7/19/2012	12/31/2012	CA03397 Polaris (SST) - Provide labor and materials to perform inspection, repairs, and preventive maintenance services on the Polaris on a quarterly basis. Also, check batteries and battery terminals for corrosion.
PMRG-026	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA03397 Polaris (SST) - Provide labor and materials to perform inspection, repairs, and preventive maintenance services on the Polaris on a quarterly basis. Also, check batteries and battery terminals for corrosion.
13-OM-476	Equipment Maintenance - Corrective	7/18/2013	8/8/2013	CA03397 (SST) - Provide labor and materials to troubleshoot and repair/replace the batteries on the Polaris - POC Martin Bodell/Steve lubelt 564-5412 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
CA01437 RECYCLE TRAILER (PROTAINER PRT 1-16-4)				
11-OM-067	Equipment Maintenance - Corrective	2/3/2011	2/8/2011	Prepare recycle trailer to be transported. The garage mechanics will perform tasks - POC Roger Hagan 5094
11-OM-191	Equipment Maintenance - Preventive	3/28/2011	4/15/2011	Provide labor and materials to prime and paint the top of the recycle trailer CA01437 located at C-752-B - POC Roger Hagan 5094
11-OM-450	Recycle	7/7/2011	7/13/2011	Provide labor and materials to repair/replace locks on the bottom doors on the east side of recycle trailer CA01437. Also, perform the repairs for the following issues on the recycle trailer: 1. Handle on last upper door (#4) on the east side of the t
12-OM-199	Equipment Maintenance - Corrective	3/12/2012	6/22/2012	CA01437 (SST) - Provide labor and materials to repair or replace the broken black door located on the east side of the recycle trailer. The door appears to be broken and the trailer might accumulate water - POC Sheri Tucker 5125/Steve lubelt 5408 Refere
OESS137 BLUE CHEVY SILVERADO FLEX FUEL - 2009 (CHEVROLET 1500 4X4)				
11-OM-142	Vehicle Maintenance - Preventive	3/9/2011	3/15/2011	ESS137 (SST) - PM - Preventative Maintenance on Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). POC O
11-OM-504	Vehicle Maintenance - Corrective	8/3/2011	8/11/2011	E303628 formerly ESS137 (SST) - Provide labor and materials to disable auto fill mechanism on portable fuel tank located in laborer's fuel truck. Also, place drip pan in bed of fuel truck. This drip pan is to be used as a secondary containment when re-fuel
11-OM-692	Vehicle Maintenance - Preventive	10/25/2011	11/17/2011	E303628 formerly ESS137 (SST) - PM - Preventative Maintenance on Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (i

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
12-OM-159	Vehicle Maintenance - Corrective	2/28/2012	3/13/2012	E303628 formerly ESS137 (SST) - Provide labor and materials to replace hose and nozzle on the portable diesel tank located on the Silverado. Also, install a tool box under the fuel tank. **Ensure that the hose and nozzle are completely empty (no fuel re
12-OM-297	Vehicle Maintenance - Corrective	4/25/2012	4/25/2012	E303628 formerly ESS137 (SST) - Provide labor and materials to replace front right tire that is flat on the Silverado. - POC Steve lubelt 5408
PMV-009	Vehicle Maintenance - Preventive	4/25/2012	12/31/2012	Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services E303628 formerly ESS137 (SST) - PM - Preventive Maintenance on 2009 Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
12-OM-323	Vehicle Maintenance - Preventive	5/4/2012	5/21/2012	E303628 formerly ESS137 (SST) - PM - Preventive Maintenance on Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if
PMV-002	Vehicle Maintenance - Preventive	5/22/2012	12/31/2012	E303628 (SST) (formerly and under asset ESS137) - USEC Fire Services will provide labor and materials to complete a monthly inspection on the external fuel tank and fire extinguisher on vehicle E303628, 2009 Chevy Silverado 4x4. The inspection should be
12-OM-473	Vehicle Maintenance - Corrective	7/23/2012	12/19/2012	E303628 formerly ESS137 (SST) - Provide labor and materials to replace the front left tire on the fuel truck - POC Steve lubelt 5408
12-OM-527	Vehicle Maintenance - Corrective	8/16/2012	8/28/2012	Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services E303628 formerly ESS137 (SST) - Provide labor and materials to hook up the electric start on the portable air compressor located in the laborer's Chevrolet truck E303628. POC Chris Moore (519-1085)/Steve lubelt 5408 Reference 12-GENERAL GARAGE MECHANIC w
12-OM-579	Vehicle Maintenance - Corrective	9/12/2012	9/14/2012	E303628 formerly ESS137 (SST) - Provide labor and materials to troubleshoot and replace the fuel hose on the fuel truck as necessary - POC Robert Pickard 5010 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMV-002	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303628 (SST) (formerly and under asset ESS137) - USEC Fire Services will provide labor and materials to complete a monthly inspection on the external fuel tank and fire extinguisher on vehicle E303628, 2009 Chevy Silverado 4x4. The inspection should be
PMV-009	Vehicle Maintenance - Preventive	1/1/2013	12/31/2013	E303628 formerly ESS137 (SST) - PM - Preventive Maintenance on 2009 Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades
13-OM-166	Vehicle Maintenance - Preventive	4/8/2013	4/8/2013	E-303628 (SST) - Perform PM service on Chevy Silverado 4x4. Install new set of wiper blades during the routine PM/Service. Vehicle formerly 0ESS137. Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
13-OM-173	Vehicle Maintenance - Corrective	4/9/2013	4/22/2013	E303628 formerly ESS137 (SST) - Provide labor and material to repair/replace fuel hose on diesel tank located in the bed of truck E303628. - POC Chris Moore 519-1085/Steve lubelt 564-5412 Reference 12-GENERAL GARAGE MECHANIC work package and SST-AHA-004,

Work Order Number	Work Order Type	Date Started	Date Completed	Long Description of Work
CA03356	MOWER Kubota (KM-4) [F3680]			
11-OM-108	Equipment Maintenance - Corrective	2/24/2011	12/31/2011	CA03356 KM-4 - maintain/repair Kubota mower
11-OM-382	Equipment Maintenance - Preventive	6/7/2011	6/24/2011	CA03356 KM-4 - Inspect hydraulic lines and system on Kubota mower
11-OM-412	Equipment Maintenance - Corrective	6/20/2011	7/11/2011	CA03356 KM-4 - Provide labor and materials to replace the power steering hydraulic lines in the Kubota mower with new hydraulics now and to replace them again every March - POC Anthony Gilbert 5043
11-OM-108	Equipment Maintenance - Corrective	1/1/2012	4/16/2012	CA03356 KM-4 - maintain/repair Kubota mower
PMRG-008	Equipment Maintenance - Preventive	3/1/2012	12/31/2012	CA03356 (SST) - Provide labor and material to service Kubota mower (KM-4) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-008	Equipment Maintenance - Preventive	1/1/2013	12/31/2013	CA03356 (SST) - Provide labor and material to service Kubota mower (KM-4) as needed. During mowing season, mower will be inspected / serviced weekly.
PMRG-037	Equipment Maintenance - Preventive	2/20/2013	3/14/2013	CA03356 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-4) on a yearly basis - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
PMRG-041	Equipment Maintenance - Preventive	2/20/2013	3/5/2013	CA03356 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-4) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA04610	UTILITY GATOR [JOHN DEERE HPX (4X4)]			
Nothing, received gator on 7/22/14				
CA10020	SKID STEER (KUBOTA SLV90-2)			
Nothing, received skid steer on 10/14/14				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-012	Project: 204041
WO # 8430	PM: 1060

Scope of Work: Level 3 Work Order:
 CA02302 (SST) - Provide labor and materials to perform preventive maintenance (PM) services and repairs on CASE III MXU110 MoTrim tractor and side boom mowing assembly as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season:
 =>PM to include inspection of hydraulic hoses and fittings for leaks or damage.<=
 Replace as necessary
 - POC Steve lubelt, SST (5408 or 270-519-1085) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
--	-------------------------

Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

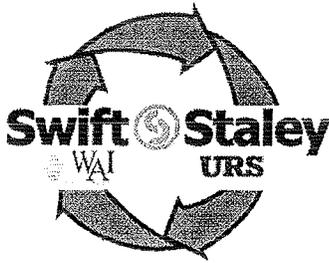
I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

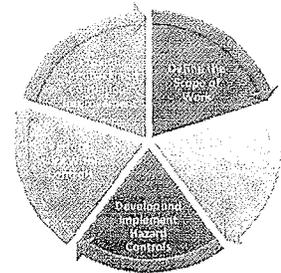
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Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____	_____
Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-002	Project: 204041
WO # 8037	PM: 1043

Scope of Work: Level 3 Work Order:
 CA03353 (SST) - Provide labor and materials to perform activities on the CAT Backhoe:
 => Perform preventive maintenance (PM) services on CAT Backhoe on a quarterly basis.
 => Also, perform inspection and repair/replace any leaking hydraulic hoses or fittings.
 - POC Steve lubelt, SST (5408 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
--	-------------------------

Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

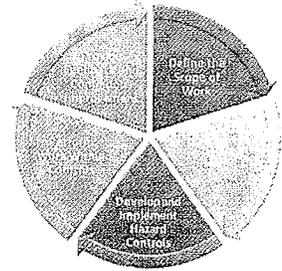
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Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____	_____
Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13



PMRG-004		Project: 204041
WO #	7104	PM: 1049

Scope of Work: CA02847 (SST) - Provide labor and material to perform the following activities on the JD Grader 770C:

- => Inspect and perform preventive maintenance on JD Grader 770C on a monthly basis; and
- => Also, perform inspections and repair/replace any leaking hydraulic hoses ore fittings.

- POC Steve lubelt, SST (5408 or 564-5412) or Robert Pickard, SST (5010 or 519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

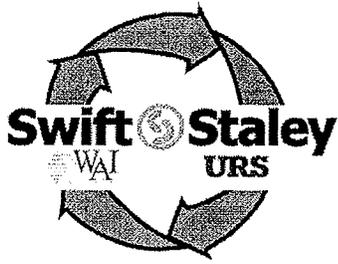
_____ Supervisor - Print / Sign		_____ Date
<p>I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.</p>		
_____ Sign / Date	_____ Sign / Date	_____ Sign / Date

Task completed & Housekeeping performed by:

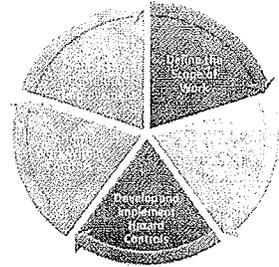
_____ Sign / Date	_____ Sign / Date	_____ Sign / Date
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Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____ Supervisor - Print / Sign	_____ Date



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMV-015		Project: 204071
WO #	8204	PM: 1082

Scope of Work: Level 3 Work Order:
 E112427 (DOE) - PM - Preventive Maintenance on 1992 Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC Kim Crenshaw Knerr, DOE (6822)
 - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve Iubelt, SST (5094 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: **C-755 South Parking Lot**

Pre-Job Briefing / Ready to Start Work:

 Supervisor - Print / Sign _____
 Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

 Supervisor - Print / Sign _____
 Date

Vehicle PM Checklist

Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				

Vehicle PM Checklist

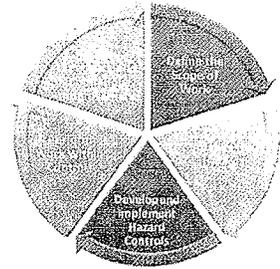
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMF-009	Project: 204020
WO # 7242	PM: 1085

Scope of Work: Level 3 Work Order:
 CA02301 (SST) - Provide labor and materials to have John Wannemuehler (cell of 812-568-5847) of Wannemuehler Oil (812-838-2667) perform the annual inspection of the Rotary Lift located at C-755-A. See attachments for manuals, lessons learned, and ES&H vendor flowdown
 - POC Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
 Change in scope 4/26/13 RH: Ron Knowles with Wannemuehler Oil can perform annual Rotary Lift Inspections.

Emergency Assembly Point(s) for this activity: **C-755 South Parking Lot**

Pre-Job Briefing / Ready to Start Work:

_____ _____
 Supervisor - Print / Sign Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

_____ _____
 Supervisor - Print / Sign Date

JX Tractors Preventive Maintenance Service on a 300 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	26	Engine oil		◆				4-21
<input type="checkbox"/>	27	Fuel filter			◆			4-22
<input type="checkbox"/>	28	Fuel pump filter			◆			4-22
<input type="checkbox"/>	29	Oil filter, hydraulic lift			◆			4-22
<input type="checkbox"/>	30	Engine oil filter			◆			4-23
<input type="checkbox"/>	31	Oil filter, hydrostatic steering (separate tank)			◆			4-23
<input type="checkbox"/>	32	Final reduction gears		◆				4-23
<input type="checkbox"/>	33	Dry air filter (external cartridge)			◆			4-24
<input type="checkbox"/>	34	Rear transmission and hydraulic lift	◆	◆				4-24
<input type="checkbox"/>	35	Front axle housing		◆				4-24
<input type="checkbox"/>	36	Handbrake	◆				◆	4-25
<input type="checkbox"/>	37	Front axle reduction hubs		◆				4-26
<input type="checkbox"/>	38	Front wheels 2WD				◆		4-26
<input type="checkbox"/>	39	Front axle swivel bearings 4WD				◆		4-26

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

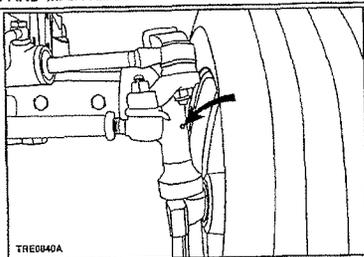
Mechanic Signature _____ Date _____

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 22

RIGHT-HAND STUB AXLE 2WD - Fig. 34

Using a grease gun, pump 251 HEP grease into the lubrication fittings shown.

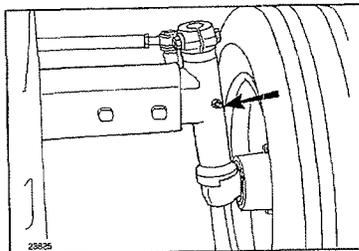


34

OPERATION 23

LEFT-HAND STUB AXLE 2WD - Fig. 35

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.

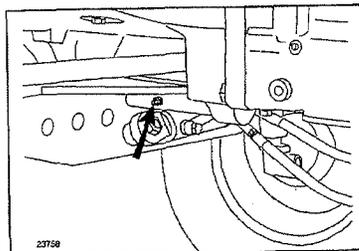


35

OPERATION 24

FRONT AXLE PIVOT 2WD - Fig. 36

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.



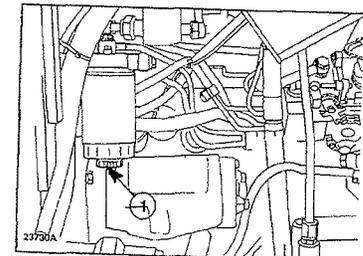
36

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 25

FUEL FILTER - Fig. 37

Loosen the drain plug (1) approximately $\frac{3}{4}$ of a turn, then operate the fuel pump primer lever to force condensed water and sediment from the filter. When only clean fuel drains from the filter, tighten the drain plug.

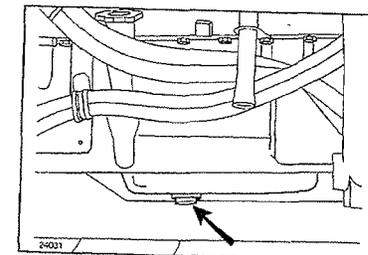


37

OPERATION 26

ENGINE OIL - Fig. 38

Drain off all the oil via the sump plug shown and refill with fresh oil using fill points (2) fig. 16 or (1) fig. 17 page 4-13.



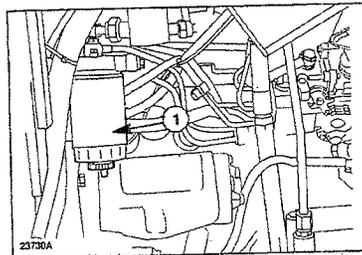
38

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 27

FUEL FILTER – Fig. 39

Unscrew and remove the filter cartridge (1). Install a new filter cartridge.
Bleed air from the fuel system as described on page 4-36 in this section.

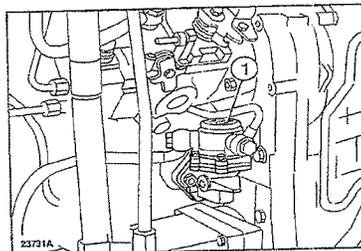


39

OPERATION 28

FUEL PUMP FILTER – Fig. 40

Remove cover (1) and clean the internal filter screen.

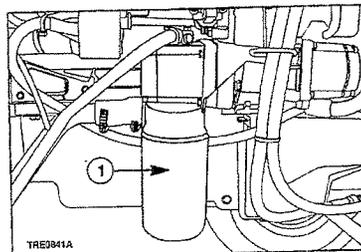


40

OPERATION 29

HYDRAULIC LIFT OIL FILTER – Fig. 41

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No.34 page 4-24).



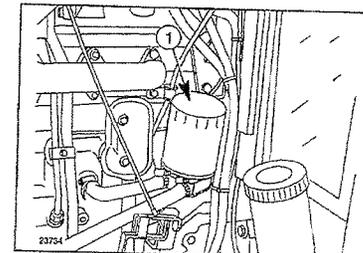
41

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 30

ENGINE OIL FILTER – Fig. 42

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No. 9 fig. 16 and 17).



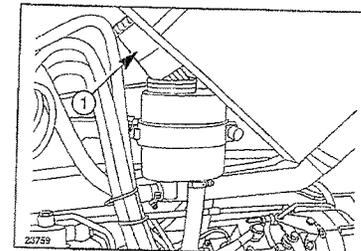
42

OPERATION 31

HYDROSTATIC STEERING – Fig. 43

Remove the filter (1) (press downwards and move sideways) and wash the filter, together with the filler cap in mineral oil.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



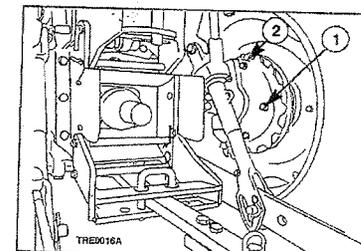
43

OPERATION 32

FINAL REDUCTION GEARS – Fig. 44

Check the oil level as follows:

- Park the tractor on a level surface.
- Remove the plug (1). Some oil should flow out of the plug hole. If necessary, top up via plug hole (2) until the oil overflows.

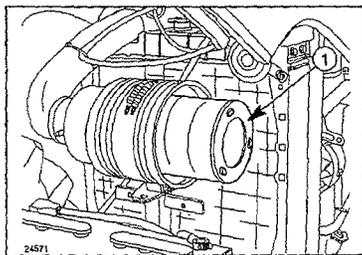


44

OPERATION 33

DRY AIR FILTER, EXTERNAL CARTRIDGE
 - Fig. 45

Remove the cover, take out external cartridge (1) and clean as described in operation 13, on page 4-11 of this section.



45

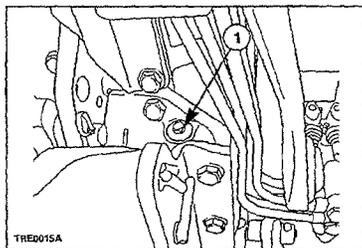
OPERATION 34

TRANSMISSION AND HYDRAULIC LIFT -
 Fig. 46

With the tractor on a level surface, the engine shut off and the hydraulic lift linkage fully lowered, check that the oil level reaches the "MAX" mark on the combined filler plug/dipstick (1).

If necessary, add oil through the fill point and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.



46

OPERATION 35

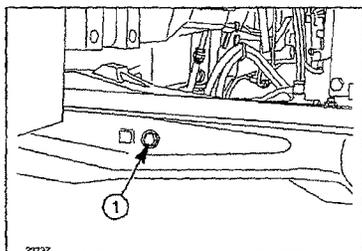
FRONT AXLE HOUSING 4WD - Fig. 47

Check the oil level as follows:

- Park the tractor on a level surface;
- Remove the plug (1). Some oil should flow out of the plug hole.

If necessary, top up via plug hole (1) until the oil overflows.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



47

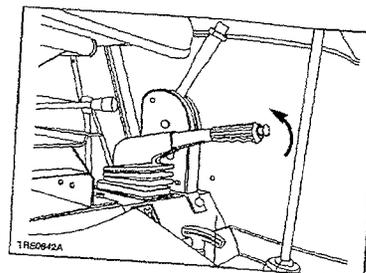
OPERATION 36

HANDBRAKE - Fig. 48-49-50

The handbrake lever must be adjusted whenever work is carried out on the unit or when the lever does not engage with the third notch of the sector gear when the handbrake is applied.

For 2WD models (Fig. 49) proceed as follows:

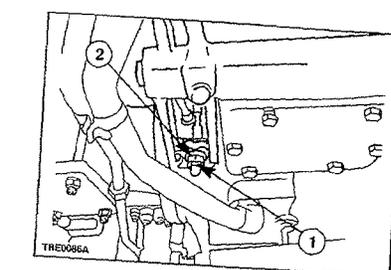
- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



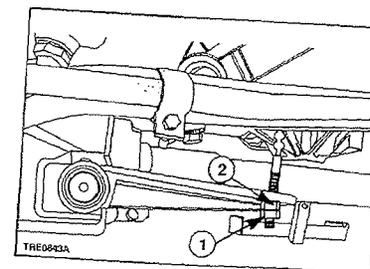
48

For 4WD models (Fig. 50) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



49



50

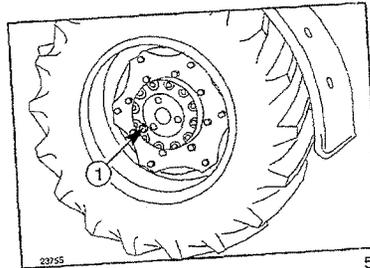
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 37

FRONT AXLE REDUCTION HUBS 4WD
- Fig. 51

Check the oil level by rotating the wheel until the plug (1) is at the horizontal position. If oil does not overflow when the plug is removed, top up through the opening and replace the plug.

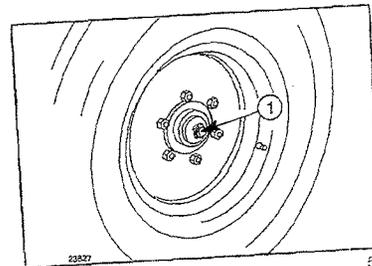
NOTE: For oil grades, see the lubrication charts on page 4-5.



OPERATION 38

FRONT WHEELS 2WD - Fig. 52

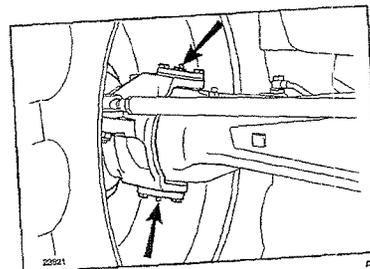
Remove covers (1) from both hubs. Fill them with 251 HEP grease and replace.



OPERATION 39

FRONT AXLE SWIVEL BEARINGS 4WD
- Fig. 53

At least twice a year, pump 251 HEP grease into the two lubrication fittings shown (two on each side).

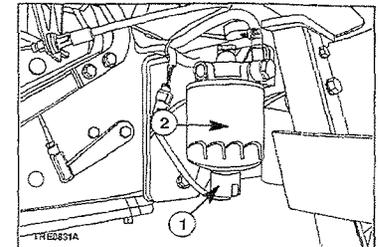


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 40

FUEL SEDIMENTER - Fig. 54

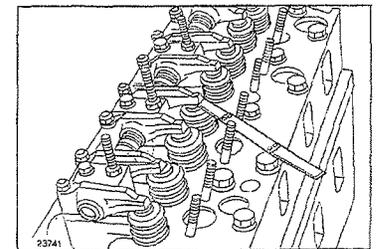
Unscrew the drain plug (1) fig. 54. Turn the sedimenter element (2) completely to remove. Replace the fuel sedimenter with new one. Install the drain plug and tighten it carefully.



OPERATION 41

ENGINE VALVES - Fig. 55

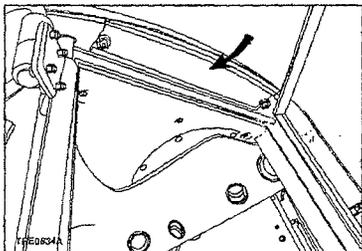
Contact your dealer to check the clearance between the valves and the rocker arms (0.35 ± 0.05 mm; 0.012 ± 0.002 in). The inspection must be carried out when the engine is cold.



OPERATION 42

CAB AIR FILTERS – Fig. 56

Remove the grill shown by arrow, and replace the filter element.

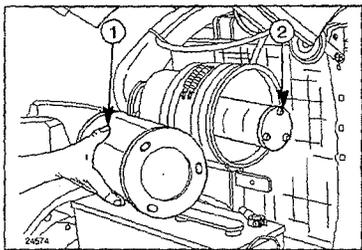


OPERATION 43

DRY AIR FILTER – Fig. 57

Remove the outer element (1), together with the inner safety element (2).

Clean the inside of the casing with a damp, lint-free cloth and install two new filters.



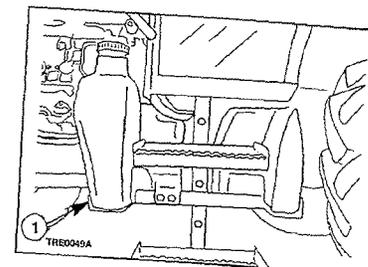
OPERATION 44

FUEL TANK – Fig. 58

With the tractor on a level surface and the engine off, drain the fuel as described below:

- Place a container under the tank;
- Remove plug (1) and drain the fuel to remove any impurities in the tank.

Refill the tank with clean fuel and bleed the system as described on page 4-36 in this section.

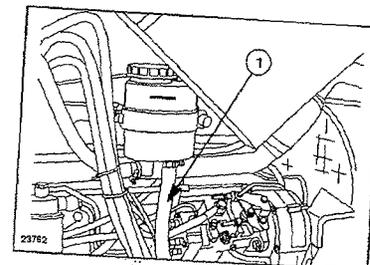


OPERATION 45

DRAINING THE HYDROSTATIC STEERING OIL – Fig. 59

Place a container under the reservoir, remove tube (1) and drain the oil. Refit the tube and clean the internal filter before filling with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.

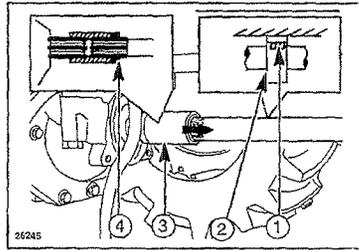


OPERATION 46

DRIVE SHAFT SLEEVE FOR 4WD FRONT AXLE CONNECTION - Fig. 60

Check as follows:

- Disassemble the front axle drive shaft guard;
- Loosen screws (1), to disconnect the support (2) from the drive housing;
- Remove circlip (4);
- Move the sleeve (3) as shown by the arrow, lower the drive shaft until the sleeve can be removed and check that the inner groove does not show signs of excessive wear.



60

⚠ WARNING ⚠

If the sleeve inner groove should prove excessively worn, refer to your dealer for a possible replacement.

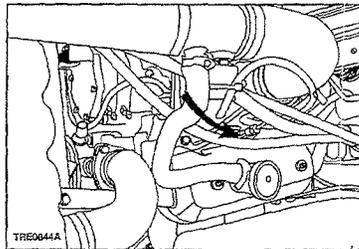
OPERATION 47

INJECTORS - Fig. 61

Have your dealer check the pressure settings (see page 8-7). To remove the injectors from the engine, detach the lines and remove the connectors.

NOTE: Before loosening or disconnecting any part of the injection system, thoroughly clean the area in which you are going to work.

NOTE: Cover all injector lines and apertures to prevent any dirt from entering.



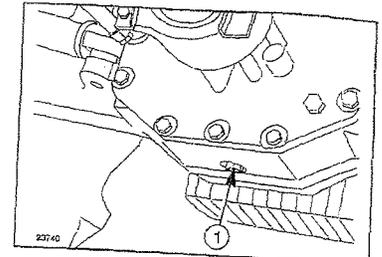
61

OPERATION 48

FRONT AXLE HOUSING - 4WD - Fig. 62

Place a container under the axle housing, unscrew plug (1), let all the oil drain out. Refill with new oil through the filler/level plug hole (1) fig. 47.

NOTE: For oil grades, see the lubrication charts on page 4-5.



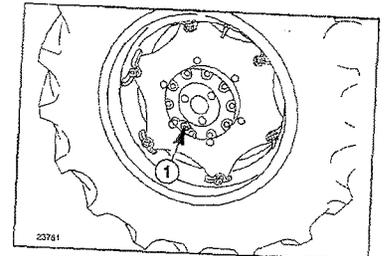
62

OPERATION 49

DRAINING THE OIL FROM THE FRONT AXLE FINAL DRIVES - 4WD - Fig. 63

Position plug (1) to its lowest point, place a container under the plug hole and drain the oil. Rotate the wheel so that the plug hole is in a horizontal position and fill with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



63

OPERATION 50

ENGINE COOLING SYSTEM
- Figs. 64, 65 and 66

The system uses a mixture of **PREMIUM ANTIFREEZE MS 1710** and water. This liquid has anti-oxidant, anti-corrosive, anti-foaming and anti-crusting properties. It is also non-freezing down to temperatures of:

Degrees (°C)	-8	-15	-25	-30
% in volume of PREMIUM ANTIFREEZE MS 1710 to water	20	30	40	50

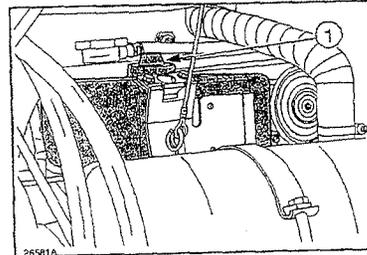
Your tractor is supplied with the cooling system filled with an **PREMIUM ANTIFREEZE MS 1710** solution appropriate to your climatic conditions. This will guarantee the system down to the temperature shown on the plate attached to the hood.

This mixture will protect the cooling system for a period of **2 years** provided that during this time the tractor has not been used for more than **1200 hours** in total. Flush the system and replace the anti-freeze mixture when either of these limits have been reached.

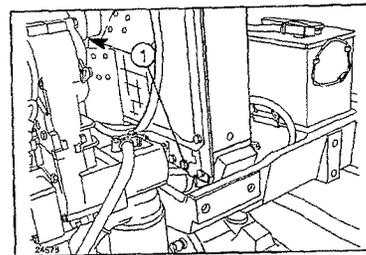
In emergencies, to prevent overheating, fill the system by pouring water into the radiator opening (1) fig. 66.

WARNING

Repair any damage and top up the mixture as soon as possible, referring to the table above.



64



65

FLUSHING THE SYSTEM (MODELS WITHOUT CABS)

Flush at least every **1200 service hours** or every **2 years**, and whenever changing the anti-freeze in the system.

Proceed as follows:

- Remove the expansion tank cap (1) fig. 64. Remove the radiator plug (1) fig. 65 and drain the water while the engine is hot;

CAUTION

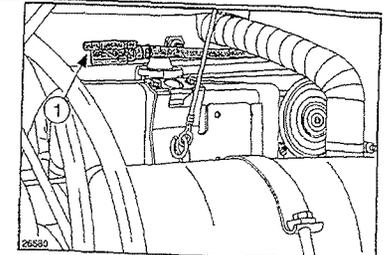
The engine must be switched off when draining the water.

- Once the engine has cooled, fill the radiator with a filtered solution of Solvay soda and water at a ratio of **250 grams** (8.8 oz.) of soda to **10 litres** (2.20 Imp gal. - 2.70 US gal.) of water;
- Run the tractor for approximately one hour and then drain the flushing solution;
- Wait for the engine to cool down, then circulate pure water by pouring it into the radiator and allowing it to drain from radiator drain plug (1) fig. 65.
- Replace the radiator plug, fill with water, run the engine for a few minutes and drain the system;
- Leave the engine to cool and top up to the normal level.

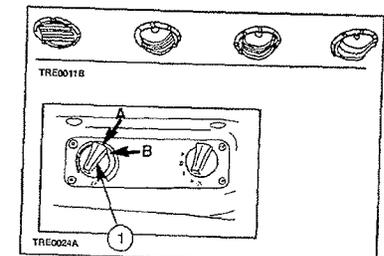
THERMOSTAT

There is a thermostat in the cooling circuit to prevent the water circulating in the radiator until the water reaches a high enough temperature to allow the engine to operate correctly (approx. 85° C / 185° F).

If you think the thermostat may not be working properly, remove it and have it checked by your dealer.



66



67

SECTION 4 - LUBRICATION AND MAINTENANCE

**FLUSHING THE HEATING SYSTEM
(MODELS WITH CAB)**

The heating system uses fluid from the engine cooling system drawn off between the engine and the radiator.

Flush the cooling system as described for models without cab, bearing in mind that the heating system can be completely drained by turning temperature adjustment control (1) fig. 67 to the vertical position A.

Fill the engine cooling system and cab heating system as follows:

- fill the radiator with a mixture of **PREMIUM ANTIFREEZE MS 1710** and water and fit the radiator filler cap;
- Turn heating control (1) to red, (horizontal position B), start the engine and run it for approx. 5 to 10 minutes. (This operation is necessary to warm the coolant in the engine cooling system);
- Remove the upper radiator cap, turn the heating control (1) to a vertical position and run the engine at maximum power for around five minutes;
- Fill the radiator with the engine running at high revs until it is completely full, and fit the cap.

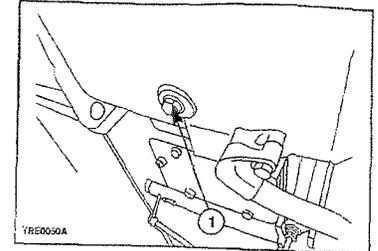
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 51

**TRANSMISSION AND HYDRAULIC LIFT OIL
- Figs. 68 and 69**

Transmission housing

Place a container under the left side of the housing, close to the fuel tank, and drain the oil via the plug hole (1) fig. 68.



68

Final drive, 4-wheel drive

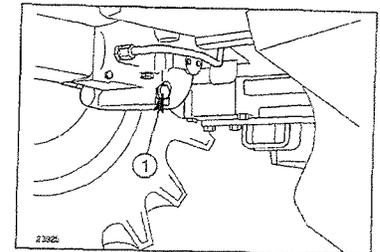
Place a container under the final drive housing and drain oil via plug hole (1) fig. 69.

Oil filters

Replace the hydraulic lift oil filter cartridge (Op.29) and hydrostatic steering and auxiliary systems filter (Op.31).

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (1) Operation 34.

NOTE: For oil grades, see the lubrication charts on page 4-5.



69

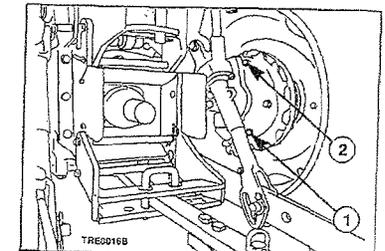
OPERATION 52

FINAL REDUCTION OIL - Fig. 70

Place a container under the final housing and drain oil via hole (1) fig. 70.

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (2) fig. 44.

NOTE: For oil quantity, see the lubrication charts on page 4-5.



70

SECTION 4 - LUBRICATION AND MAINTENANCE

BLEEDING THE FUEL SYSTEM

Bleeding procedure - Figs. 71 and 72

During long periods when the tractor is not used, when the filter and fuel lines are removed or when there is no fuel in the tractor, air may enter the fuel system.

The presence of air makes it difficult to start the engine and it therefore needs to be bled as follows when the fuel tank is refilled:

Unscrew the bleed plug (1) fig. 71 by approximately two turns.
Actuate lever (1) fig. 72 until fuel without air bubbles spurts from the bleed hole.

Tighten plug (1) fig. 71.

After tightening the bleed plug (1) fig. 71, actuate lever (1) fig. 72 a few times.

Turn the ignition key to position C, as shown in Section 2, fig. 19, page 2-12. As soon as the engine starts, release the key.

NOTE: Your engine is fitted with a rotary injection pump, whose internal components must be protected from rusting if not used for over a month. Therefore, before stopping the tractor, mix **PROT 10 W/M** oil with the fuel in the tank in a proportion of 10% and run the engine for approximately half an hour.

BLEEDING THE HYDRAULIC BRAKE SYSTEM

Bleeding procedure - Figs. 73 to 76

Whenever work is carried out on the front brake hydraulic system, the air must be bled from the system. Proceed as follows.

Thoroughly clean the external parts of the unit around the hydraulic fluid tank cap (2) fig. 73 and the bleed screws (1-2) fig. 74.

Make sure that the hydraulic fluid in the tank (1) fig. 73 is maintained up to the full mark both before and during the bleeding operations.

NOTE: Filter all drained oil before reusing.

SECTION 4 - LUBRICATION AND MAINTENANCE

Depress the LH brake pedal, slowly and to the end of its travel, so that the fluid is placed under pressure.

Keeping the pedal depressed, loosen the bleed screw (1) fig. 74 by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 74 and repeat the above operations until the fluid that comes out is free of air bubbles.

Depress the LH brake pedal again to place the circuit under pressure. This occurs when the travel of the pedal returns to normal.

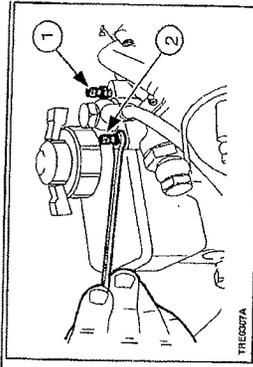
Repeat the above operations for the RH brake pedal by tightening or loosening bleed screw (2) fig. 74.

Depress the LH and RH brake pedal, slowly and to the end of the travel, so that the fluid is placed under pressure.

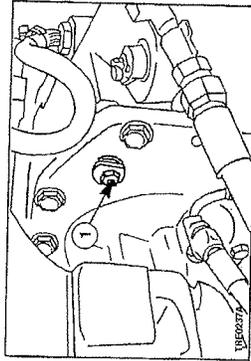
Keeping the pedals depressed, loosen the bleed screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) and repeat the above operations until the fluid that comes out is free of air bubbles.

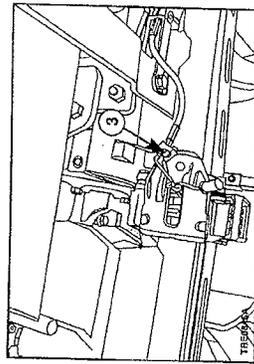
When the operation has been completed, replenish the fluid in the tank (1, fig. 73).



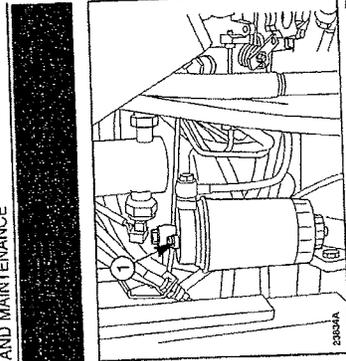
74



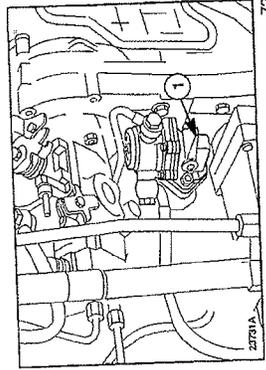
75



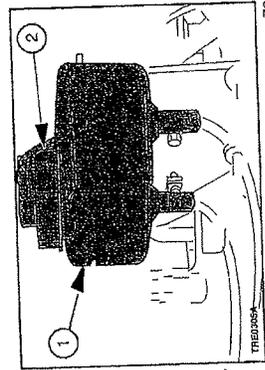
76



71



72



73

RECOMMENDATIONS FOR BODYWORK MAINTENANCE

Protection against atmospheric agents

Over the years, the Company has introduced a series of measures to protect the tractor from the deterioration and corrosion which can be caused by various external elements, such as those listed below:

- salinity and humidity in the atmosphere;
- atmospheric pollution (industrial areas);
- abrasive action of solid substances;
- using tractor in the presence of aggressive chemical and/or organic substances;
- physical damage such as dents, abrasions or deep scratches.

The technical response to these problems was:

- highly corrosion-resistant zinc plating;
- paint systems and paints which help the tractor resist corrosion and abrasion;
- application of suitable hardened plastic-coatings to points which are particularly exposed to corrosion (edges, projections and sheet-metal welded joints);

Unfortunately, external agents act in various ways depending on environmental conditions and tractor use; if the user takes enough care, however, his tractor can be maintained in substantially better condition.

The following information is provided to help achieve this aim.

BODYWORK AND CAB

Where there are abrasions or deep scratches, which expose the underlying metal, they need to be retouched immediately with genuine products as follows:

- rub down the area thoroughly;

- apply the primer;
- leave to dry and then rub down lightly;
- apply the paint;
- lastly, polish.

The paint can normally be maintained by washing at intervals which vary depending on the conditions of use and the environment. In areas prone to atmospheric pollution and in coastal areas, wash more frequently, whereas if organic or chemical substances are present, wash *immediately* after the tractor is used. Use a low-pressure water spray, sponge down with a solution of 2 to 4% shampoo in water, rinsing the sponge frequently, rinse the tractor thoroughly and dry it, if possible, with an air jet.

Avoid washing the tractor after it has been standing in the sun and when the engine is still hot in order to protect the shine on the paint.

It is good practice to protect the paint by polishing it with specialized products (silicone waxes) from time to time and, when the paint starts to dull, you can use wax polish which has a slight abrasive action.

CAB MAINTENANCE

After carrying out the external maintenance of the cab, proceed as follows:

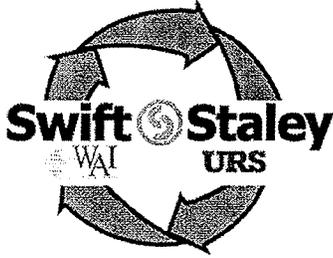
Periodically check that no water remains in areas covered with mats or padding.

Protect the hinges and locks on the doors, and opening windows with lubricants and water-repellents.

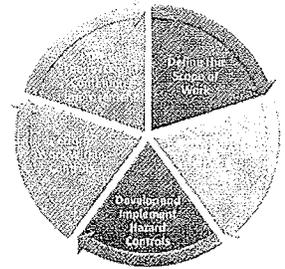
Use suitable detergents or, if necessary, sulphuric ether to clean the windows.

Remove the windscreen wiper blade and sprinkle the rubber with talc.

Leave the door or a window partially open.



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMRG-016		Project: 204041
WO #	7198	PM: 1065

Scope of Work: Level 3 Work Order:
 CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.

Emergency Assembly Point(s) for this activity: **C-755 South Parking Lot**

Pre-Job Briefing / Ready to Start Work:

 Supervisor - Print / Sign _____
 Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

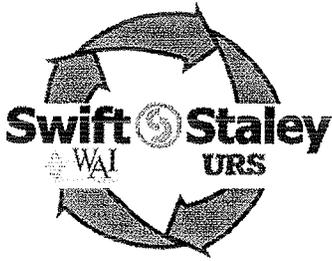
Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

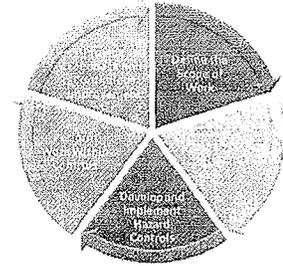
Comments / Feedback: (continue on back as necessary)

Work Complete:

 Supervisor - Print / Sign _____
 Date



SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13



PMRGM-016	Project: 204041
WO # 8447	PM: 1147

Scope of Work: Level 3 Work Order:
 CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as described in the attached owners' manual PM section for the 300 hour meter reading.
 - POC Steve lubelt, SST (5408 or 270-564-5412)
 Reference SST-AHA-003, General Maintenance Mechanic Services & SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
--	-------------------------

Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____	_____
Supervisor - Print / Sign	Date

JX Tractors Preventive Maintenance Service on a 300 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	26	Engine oil		◆				4-21
<input type="checkbox"/>	27	Fuel filter			◆			4-22
<input type="checkbox"/>	28	Fuel pump filter			◆			4-22
<input type="checkbox"/>	29	Oil filter, hydraulic lift			◆			4-22
<input type="checkbox"/>	30	Engine oil filter			◆			4-23
<input type="checkbox"/>	31	Oil filter, hydrostatic steering (separate tank)			◆			4-23
<input type="checkbox"/>	32	Final reduction gears		◆				4-23
<input type="checkbox"/>	33	Dry air filter (external cartridge)			◆			4-24
<input type="checkbox"/>	34	Rear transmission and hydraulic lift	◆	◆				4-24
<input type="checkbox"/>	35	Front axle housing		◆				4-24
<input type="checkbox"/>	36	Handbrake	◆				◆	4-25
<input type="checkbox"/>	37	Front axle reduction hubs		◆				4-26
<input type="checkbox"/>	38	Front wheels 2WD				◆		4-26
<input type="checkbox"/>	39	Front axle swivel bearings 4WD				◆		4-26

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

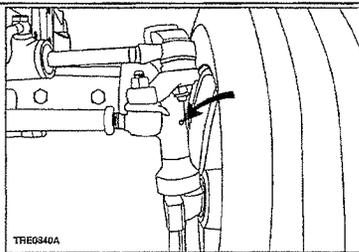
Mechanic Signature _____ Date _____

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 22

RIGHT-HAND STUB AXLE 2WD - Fig. 34

Using a grease gun, pump 251 HEP grease into the lubrication fittings shown.

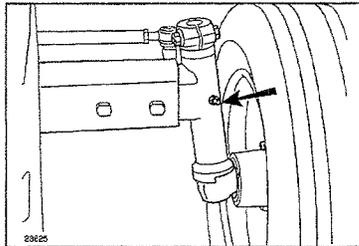


34

OPERATION 23

LEFT-HAND STUB AXLE 2WD - Fig. 35

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.

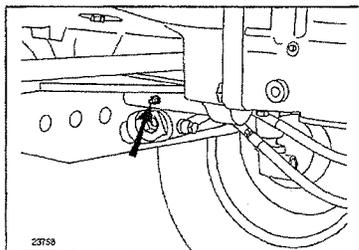


35

OPERATION 24

FRONT AXLE PIVOT 2WD - Fig. 36

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.



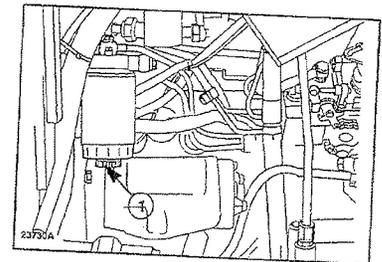
36

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 25

FUEL FILTER - Fig. 37

Loosen the drain plug (1) approximately $\frac{3}{4}$ of a turn, then operate the fuel pump primer lever to force condensed water and sediment from the filter. When only clean fuel drains from the filter, tighten the drain plug.

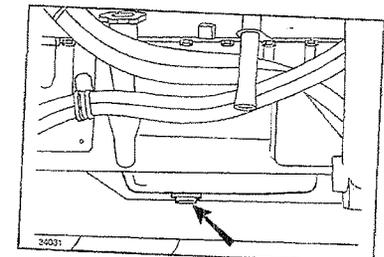


37

OPERATION 25

ENGINE OIL - Fig. 38

Drain off all the oil via the sump plug shown and refill with fresh oil using fill points (2) fig. 16 or (1) fig. 17 page 4-13.



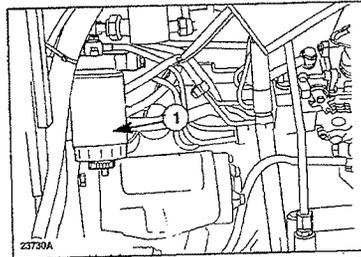
38

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 27

FUEL FILTER – Fig. 39

Unscrew and remove the filter cartridge (1). Install a new filter cartridge.
Bleed air from the fuel system as described on page 4-36 in this section.

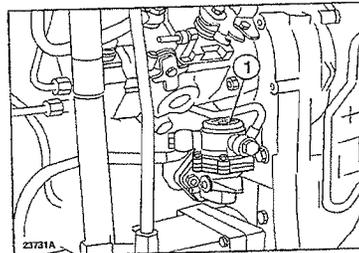


39

OPERATION 28

FUEL PUMP FILTER – Fig. 40

Remove cover (1) and clean the internal filter screen.

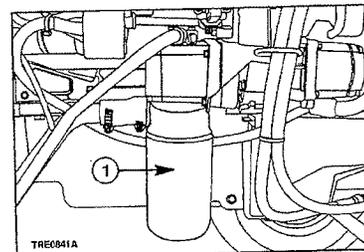


40

OPERATION 29

HYDRAULIC LIFT OIL FILTER – Fig. 41

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No.34 page 4-24).



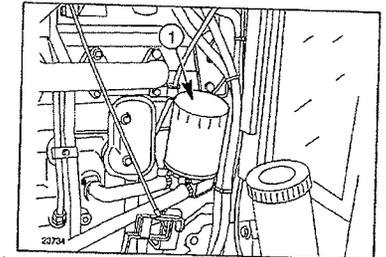
41

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 30

ENGINE OIL FILTER – Fig. 42

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No. 9 fig. 16 and 17).



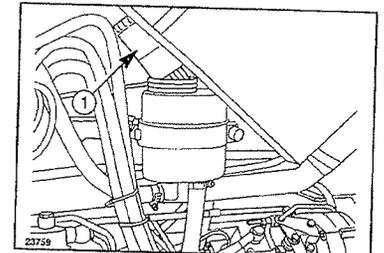
42

OPERATION 31

HYDROSTATIC STEERING – Fig. 43

Remove the filter (1) (press downwards and move sideways) and wash the filter, together with the filler cap in mineral oil.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



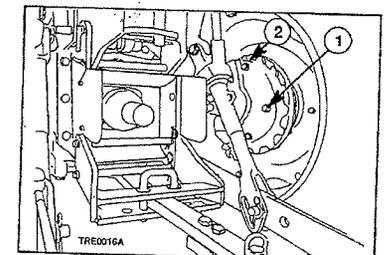
43

OPERATION 32

FINAL REDUCTION GEARS – Fig. 44

Check the oil level as follows:

- Park the tractor on a level surface.
- Remove the plug (1). Some oil should flow out of the plug hole. If necessary, top up via plug hole (2) until the oil overflows.



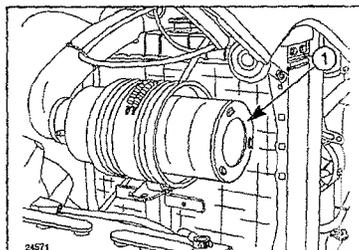
44

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 33

DRY AIR FILTER, EXTERNAL CARTRIDGE
- Fig. 45

Remove the cover, take out external cartridge (1) and clean as described in operation 13, on page 4-11 of this section.



45

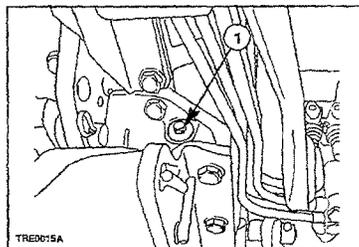
OPERATION 34

TRANSMISSION AND HYDRAULIC LIFT -
Fig. 46

With the tractor on a level surface, the engine shut off and the hydraulic lift linkage fully lowered, check that the oil level reaches the "MAX" mark on the combined filler plug/dipstick (1).

If necessary, add oil through the fill point and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.



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OPERATION 35

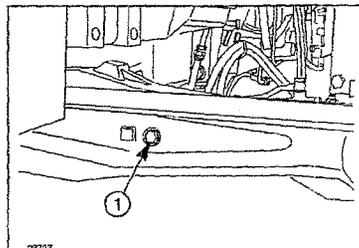
FRONT AXLE HOUSING 4WD - Fig. 47

Check the oil level as follows:

- Park the tractor on a level surface;
- Remove the plug (1). Some oil should flow out of the plug hole.

If necessary, top up via plug hole (1) until the oil overflows.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



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SECTION 4 - LUBRICATION AND MAINTENANCE

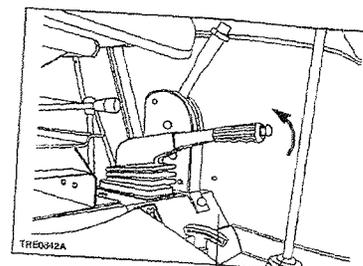
OPERATION 36

HANDBRAKE - Fig. 48-49-50

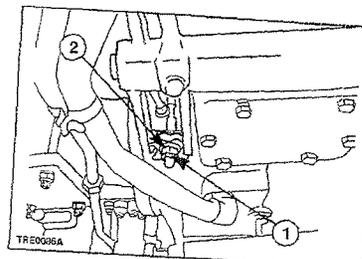
The handbrake lever must be adjusted whenever work is carried out on the unit or when the lever does not engage with the third notch of the sector gear when the handbrake is applied.

For 2WD models (Fig. 49) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



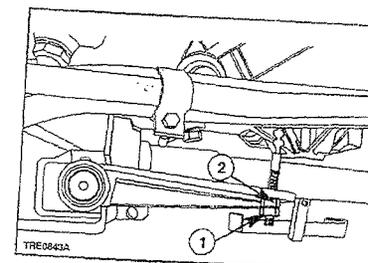
48



49

For 4WD models (Fig. 50) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



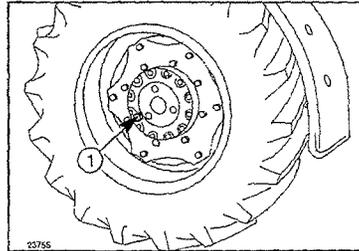
50

OPERATION 37

FRONT AXLE REDUCTION HUBS 4WD
- Fig. 51

Check the oil level by rotating the wheel until the plug (1) is at the horizontal position. If oil does not overflow when the plug is removed, top up through the opening and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.

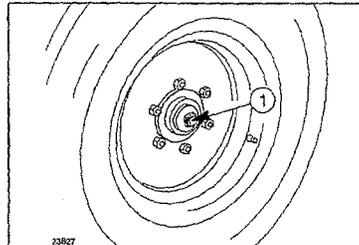


51

OPERATION 38

FRONT WHEELS 2WD - Fig. 52

Remove covers (1) from both hubs. Fill them with 251 HEP grease and replace.

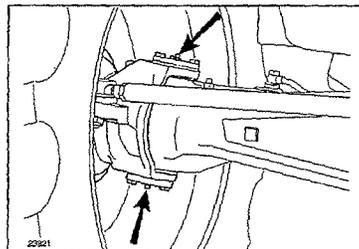


52

OPERATION 39

FRONT AXLE SWIVEL BEARINGS 4WD
- Fig. 53

At least twice a year, pump 251 HEP grease into the two lubrication fittings shown (two on each side).

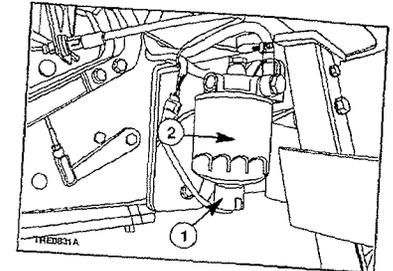


53

OPERATION 40

FUEL SEDIMENTER - Fig. 54

Unscrew the drain plug (1) fig. 54. Turn the sedimenter element (2) completely to remove. Replace the fuel sedimenter with new one. Install the drain plug and tighten it carefully.

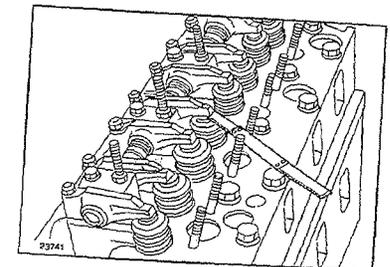


54

OPERATION 41

ENGINE VALVES - Fig. 55

Contact your dealer to check the clearance between the valves and the rocker arms (0.35 ± 0.05 mm; 0.012 ± 0.002 in). The inspection must be carried out when the engine is cold.

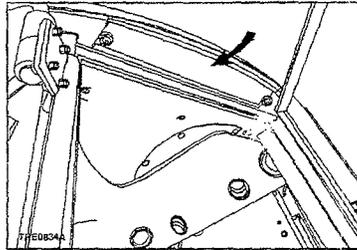


55

OPERATION 42

CAB AIR FILTERS – Fig. 56

Remove the grill shown by arrow, and replace the filter element.



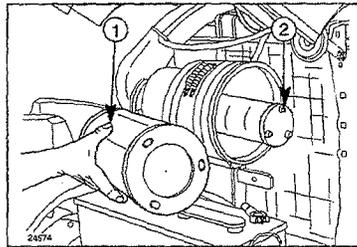
56

OPERATION 43

DRY AIR FILTER – Fig. 57

Remove the outer element (1), together with the inner safety element (2).

Clean the inside of the casing with a damp, lint-free cloth and install two new filters.



57

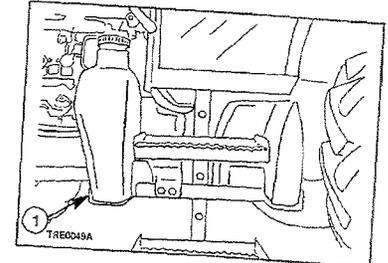
OPERATION 44

FUEL TANK – Fig. 58

With the tractor on a level surface and the engine off, drain the fuel as described below:

- Place a container under the tank;
- Remove plug (1) and drain the fuel to remove any impurities in the tank.

Refill the tank with clean fuel and bleed the system as described on page 4-36 in this section.



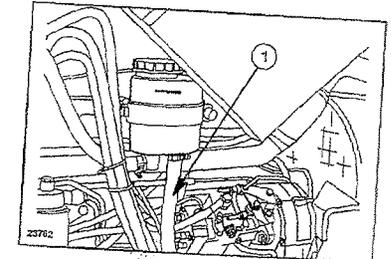
58

OPERATION 45

DRAINING THE HYDROSTATIC STEERING OIL – Fig. 59

Place a container under the reservoir, remove tube (1) and drain the oil. Refit the tube and clean the internal filter before filling with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



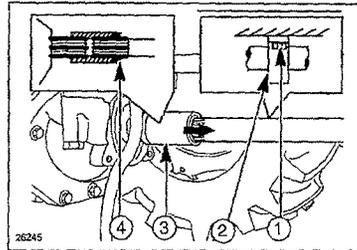
59

OPERATION 46

DRIVE SHAFT SLEEVE FOR 4WD FRONT AXLE CONNECTION - Fig. 60

Check as follows:

- Disassemble the front axle drive shaft guard;
- Loosen screws (1), to disconnect the support (2) from the drive housing;
- Remove circlip (4);
- Move the sleeve (3) as shown by the arrow, lower the drive shaft until the sleeve can be removed and check that the inner groove does not show signs of excessive wear.



60

⚠ WARNING ⚠

If the sleeve inner groove should prove excessively worn, refer to your dealer for a possible replacement.

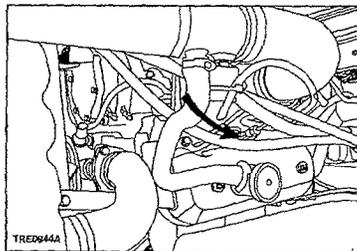
OPERATION 47

INJECTORS - Fig. 61

Have your dealer check the pressure settings (see page 8-7). To remove the injectors from the engine, detach the lines and remove the connectors.

NOTE: Before loosening or disconnecting any part of the injection system, thoroughly clean the area in which you are going to work.

NOTE: Cover all injector lines and apertures to prevent any dirt from entering.



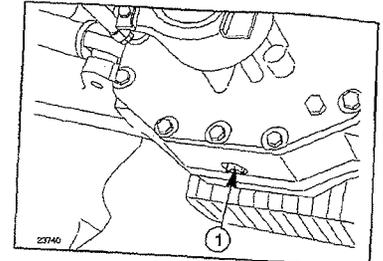
61

OPERATION 48

FRONT AXLE HOUSING - 4WD - Fig. 62

Place a container under the axle housing, unscrew plug (1), let all the oil drain out. Refill with new oil through the filler/level plug hole (1) fig. 47.

NOTE: For oil grades, see the lubrication charts on page 4-5.



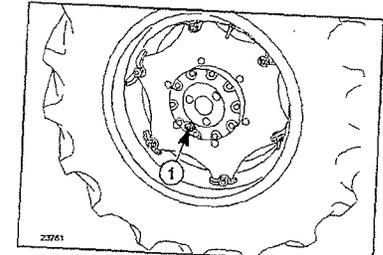
62

OPERATION 49

DRAINING THE OIL FROM THE FRONT AXLE FINAL DRIVES - 4WD - Fig. 63

Position plug (1) to its lowest point, place a container under the plug hole and drain the oil. Rotate the wheel so that the plug hole is in a horizontal position and fill with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



63

OPERATION 50

ENGINE COOLING SYSTEM

- Figs. 64, 65 and 66

The system uses a mixture of **PREMIUM ANTIFREEZE MS 1710** and water. This liquid has anti-oxidant, anti-corrosive, anti-foaming and anti-crusting properties. It is also non-freezing down to temperatures of:

Degrees (°C)	-8	-15	-25	-30
% in volume of PREMIUM ANTIFREEZE MS 1710 to water	20	30	40	50

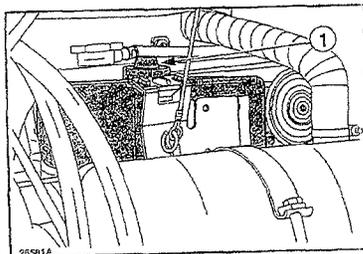
Your tractor is supplied with the cooling system filled with an **PREMIUM ANTIFREEZE MS 1710** solution appropriate to your climatic conditions. This will guarantee the system down to the temperature shown on the plate attached to the hood.

This mixture will protect the cooling system for a period of **2 years** provided that during this time the tractor has not been used for more than **1200 hours** in total. Flush the system and replace the anti-freeze mixture when either of these limits have been reached.

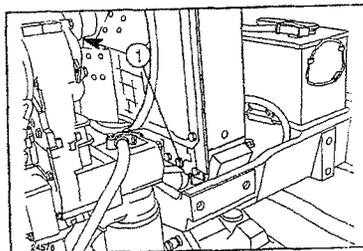
In emergencies, to prevent overheating, fill the system by pouring water into the radiator opening (1) fig. 66.

⚠ WARNING ⚠

Repair any damage and top up the mixture as soon as possible, referring to the table above.



64



65

FLUSHING THE SYSTEM (MODELS WITHOUT CABS)

Flush at least every **1200 service hours** or every **2 years**, and whenever changing the anti-freeze in the system.

Proceed as follows:

- Remove the expansion tank cap (1) fig. 64. Remove the radiator plug (1) fig. 65 and drain the water while the engine is hot;

⚠ CAUTION ⚠

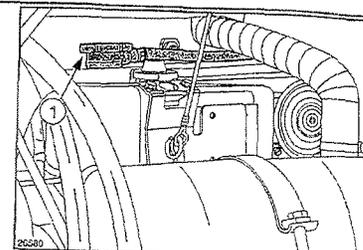
The engine must be switched off when draining the water.

- Once the engine has cooled, fill the radiator with a filtered solution of Solvay soda and water at a ratio of **250 grams** (8.8 oz.) of soda to **10 litres** (2.20 Imp gal. - 2.70 US gal.) of water;
- Run the tractor for approximately one hour and then drain the flushing solution;
- Wait for the engine to cool down, then circulate pure water by pouring it into the radiator and allowing it to drain from radiator drain plug (1) fig. 65.
- Replace the radiator plug, fill with water, run the engine for a few minutes and drain the system;
- Leave the engine to cool and top up to the normal level.

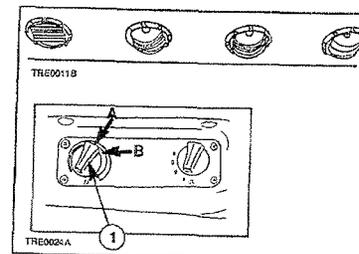
THERMOSTAT

There is a thermostat in the cooling circuit to prevent the water circulating in the radiator until the water reaches a high enough temperature to allow the engine to operate correctly (approx. 85° C / 185° F).

If you think the thermostat may not be working properly, remove it and have it checked by your dealer.



66



67

SECTION 4 - LUBRICATION AND MAINTENANCE

**FLUSHING THE HEATING SYSTEM
(MODELS WITH CAB)**

The heating system uses fluid from the engine cooling system drawn off between the engine and the radiator.

Flush the cooling system as described for models without cab, bearing in mind that the heating system can be completely drained by turning temperature adjustment control (1) fig. 67 to the vertical position: A.

Fill the engine cooling system and cab heating system as follows:

- fill the radiator with a mixture of **PREMIUM ANTIFREEZE MS 1710** and water and fit the radiator filler cap;
- Turn heating control (1) to red, (horizontal position B), start the engine and run it for approx. 5 to 10 minutes. (This operation is necessary to warm the coolant in the engine cooling system);
- Remove the upper radiator cap, turn the heating control (1) to a vertical position and run the engine at maximum power for around five minutes;
- Fill the radiator with the engine running at high revs until it is completely full, and fit the cap.

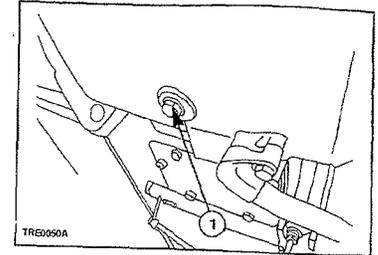
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 51

**TRANSMISSION AND HYDRAULIC LIFT OIL
- Figs. 68 and 69**

Transmission housing

Place a container under the left side of the housing, close to the fuel tank, and drain the oil via the plug hole (1) fig. 68.



68

Final drive, 4-wheel drive

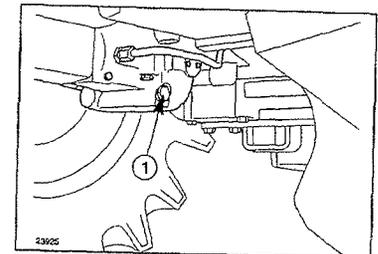
Place a container under the final drive housing and drain oil via plug hole (1) fig. 69.

Oil filters

Replace the hydraulic lift oil filter cartridge (Op.29) and hydrostatic steering and auxiliary systems filter (Op.31).

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (1) Operation 34.

NOTE: For oil grades, see the lubrication charts on page 4-5.



69

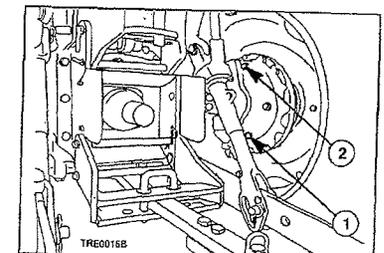
OPERATION 52

FINAL REDUCTION OIL - Fig. 70

Place a container under the final housing and drain oil via hole (1) fig. 70.

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (2) fig. 44.

NOTE: For oil quantity, see the lubrication charts on page 4-5.



70

SECTION 4 - LUBRICATION AND MAINTENANCE

BLEEDING THE FUEL SYSTEM

Bleeding procedure – Figs. 71 and 72

During long periods when the tractor is not used, when the filter and fuel lines are removed or when there is no fuel in the tractor, air may enter the fuel system.

The presence of air makes it difficult to start the engine and it therefore needs to be bled as follows when the fuel tank is refilled:

Unscrew the bleed plug (1) fig. 71 by approximately two turns.

Actuate lever (1) fig. 72 until fuel without air bubbles spurts from the bleed hole.

Tighten plug (1) fig. 71.

After tightening the bleed plug (1) fig. 71, actuate lever (1) fig. 72 a few times.

Turn the ignition key to position C, as shown in Section 2, fig. 19, page 2-12. As soon as the engine starts, release the key.

NOTE: Your engine is fitted with a rotary injection pump, whose internal components must be protected from rusting if not used for over a month. Therefore, before stopping the tractor, mix **PROT 10 W/M oil** with the fuel in the tank in a proportion of 10% and run the engine for approximately half an hour.

BLEEDING THE HYDRAULIC BRAKE SYSTEM

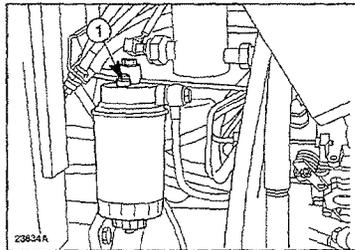
Bleeding procedure – Figs. 73 to 76

Whenever work is carried out on the front brake hydraulic system, the air must be bled from the system. Proceed as follows.

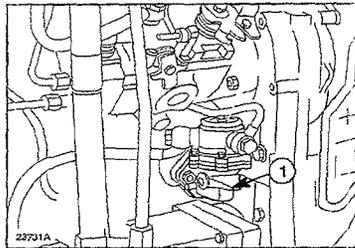
Thoroughly clean the external parts of the unit around the hydraulic fluid tank cap (2) fig. 73 and the bleed screws (1-2) fig. 74.

Make sure that the hydraulic fluid in the tank (1) fig. 73 is maintained up to the full mark both before and during the bleeding operations.

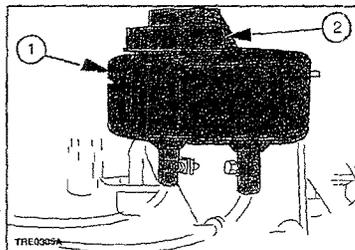
NOTE: Filter all drained oil before reusing.



71



72



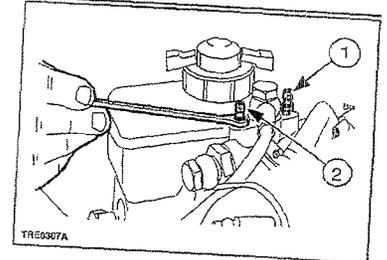
73

SECTION 4 - LUBRICATION AND MAINTENANCE

Depress the LH brake pedal, **slowly and to the end of its travel**, so that the fluid is placed under pressure.

Keeping the pedal depressed, loosen the bleed screw (1) fig. 74 by half a turn and allow the fluid mixed with air bubbles to flow out.

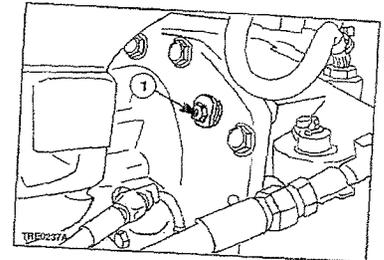
Retighten the screw (1) fig. 74 and repeat the above operations until the fluid that comes out is free of air bubbles.



74

Depress the LH brake pedal again to place the circuit under pressure. This occurs when the travel of the pedal returns to normal.

Repeat the above operations for the RH brake pedal by tightening or loosening bleed screw (2) fig. 74.

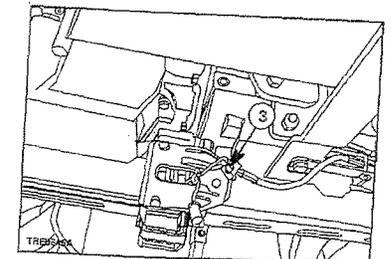


75

Keeping the pedals depressed, loosen the bleed screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) and repeat the above operations until the fluid that comes out is free of air bubbles.

When the operation has been completed, replenish the fluid in the tank (1, fig. 73).



76

RECOMMENDATIONS FOR BODYWORK MAINTENANCE

Protection against atmospheric agents

Over the years, the Company has introduced a series of measures to protect the tractor from the deterioration and corrosion which can be caused by various external elements, such as those listed below:

- salinity and humidity in the atmosphere;
- atmospheric pollution (industrial areas);
- abrasive action of solid substances;
- using tractor in the presence of aggressive chemical and/or organic substances;
- physical damage such as dents, abrasions or deep scratches.

The technical response to these problems was:

- highly corrosion-resistant zinc plating;
- paint systems and paints which help the tractor resist corrosion and abrasion;
- application of suitable hardened plastic-coatings to points which are particularly exposed to corrosion (edges, projections and sheet-metal welded joints);

Unfortunately, external agents act in various ways depending on environmental conditions and tractor use; if the user takes enough care, however, his tractor can be maintained in substantially better condition.

The following information is provided to help achieve this aim.

BODYWORK AND CAB

Where there are abrasions or deep scratches, which expose the underlying metal, they need to be retouched immediately with genuine products as follows:

- rub down the area thoroughly;

- apply the primer;
- leave to dry and then rub down lightly;
- apply the paint;
- lastly, polish.

The paint can normally be maintained by washing at intervals which vary depending on the conditions of use and the environment. In areas prone to atmospheric pollution and in coastal areas, wash more frequently, whereas if organic or chemical substances are present, wash *immediately* after the tractor is used. Use a low-pressure water spray, sponge down with a solution of 2 to 4% shampoo in water, rinsing the sponge frequently, rinse the tractor thoroughly and dry it, if possible, with an air jet.

Avoid washing the tractor after it has been standing in the sun and when the engine is still hot in order to protect the shine on the paint.

It is good practice to protect the paint by polishing it with specialized products (silicone waxes) from time to time and, when the paint starts to dull, you can use wax polish which has a slight abrasive action.

CAB MAINTENANCE

After carrying out the external maintenance of the cab, proceed as follows:

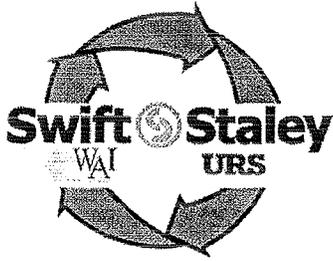
Periodically check that no water remains in areas covered with mats or padding.

Protect the hinges and locks on the doors, and opening windows with lubricants and water-repellents.

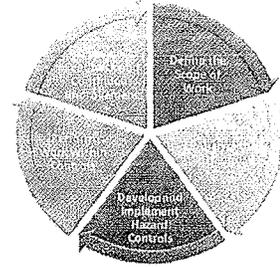
Use suitable detergents or, if necessary, sulphuric ether to clean the windows.

Remove the windscreen wiper blade and sprinkle the rubber with talc.

Leave the door or a window partially open.



SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13



PMRG-019	Project: 204041
WO # 7338	PM: 1086

Scope of Work: Level 3 Work Order:
 CA02290 (SST) - Provide labor and material to PM Case Tractor (T02) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.

- POC Chris Moore, SST (5408 or 270-519-1085)
- POC Steve lubelt, SST (5408 or 270-564-5412)
- POC Robert Pickard, SST (5010 or 270-519-0076)

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
--	-------------------------

Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____	_____
Supervisor - Print / Sign	Date

JX Tractors Preventive Maintenance Service on a 300 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	26	Engine oil		◆				4-21
<input type="checkbox"/>	27	Fuel filter			◆			4-22
<input type="checkbox"/>	28	Fuel pump filter			◆			4-22
<input type="checkbox"/>	29	Oil filter, hydraulic lift			◆			4-22
<input type="checkbox"/>	30	Engine oil filter			◆			4-23
<input type="checkbox"/>	31	Oil filter, hydrostatic steering (separate tank)			◆			4-23
<input type="checkbox"/>	32	Final reduction gears		◆				4-23
<input type="checkbox"/>	33	Dry air filter (external cartridge)			◆			4-24
<input type="checkbox"/>	34	Rear transmission and hydraulic lift	◆	◆				4-24
<input type="checkbox"/>	35	Front axle housing		◆				4-24
<input type="checkbox"/>	36	Handbrake	◆				◆	4-25
<input type="checkbox"/>	37	Front axle reduction hubs		◆				4-26
<input type="checkbox"/>	38	Front wheels 2WD				◆		4-26
<input type="checkbox"/>	39	Front axle swivel bearings 4WD				◆		4-26

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

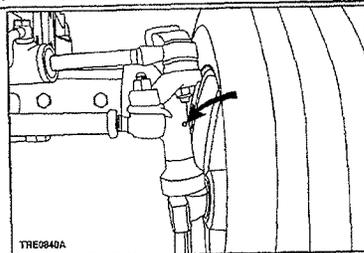
Mechanic Signature _____ Date _____

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 22

RIGHT-HAND STUB AXLE 2WD - Fig. 34

Using a grease gun, pump 251 HEP grease into the lubrication fittings shown.

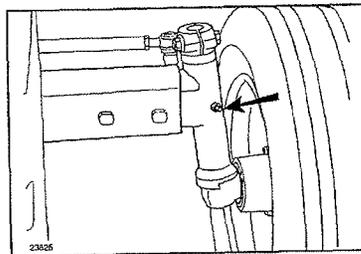


34

OPERATION 23

LEFT-HAND STUB AXLE 2WD - Fig. 35

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.

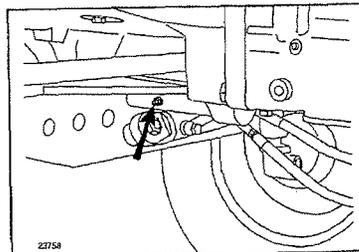


35

OPERATION 24

FRONT AXLE PIVOT 2WD - Fig. 36

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.



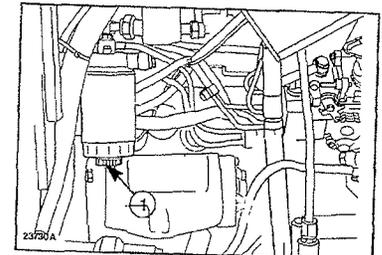
36

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 25

FUEL FILTER - Fig. 37

Loosen the drain plug (1) approximately $\frac{3}{4}$ of a turn, then operate the fuel pump primer lever to force condensed water and sediment from the filter. When only clean fuel drains from the filter, tighten the drain plug.

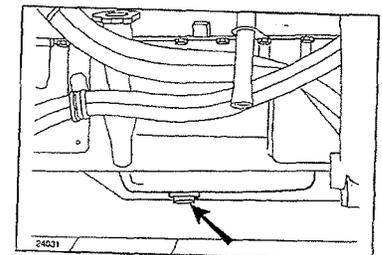


37

OPERATION 26

ENGINE OIL - Fig. 38

Drain off all the oil via the sump plug shown and refill with fresh oil using fill points (2) fig. 16 or (1) fig. 17 page 4-13.



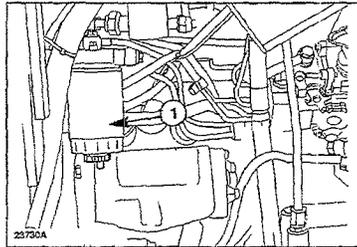
38

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 27

FUEL FILTER – Fig. 39

Unscrew and remove the filter cartridge (1). Install a new filter cartridge.
Bleed air from the fuel system as described on page 4-36 in this section.

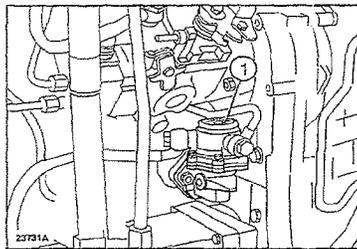


39

OPERATION 28

FUEL PUMP FILTER – Fig. 40

Remove cover (1) and clean the internal filter screen.

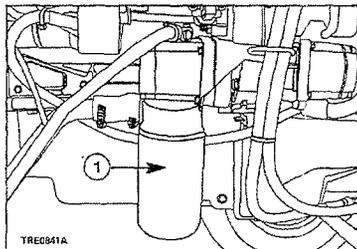


40

OPERATION 29

HYDRAULIC LIFT OIL FILTER – Fig. 41

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No.34 page 4-24).



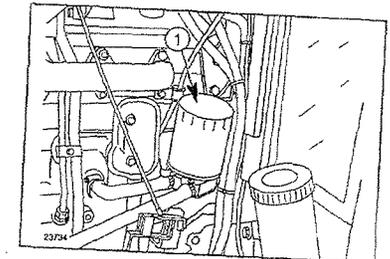
41

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 30

ENGINE OIL FILTER – Fig. 42

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No. 9 fig. 16 and 17).



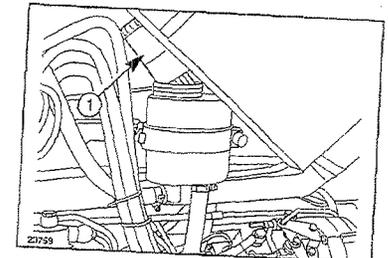
42

OPERATION 31

HYDROSTATIC STEERING – Fig. 43

Remove the filter (1) (press downwards and move sideways) and wash the filter, together with the filler cap in mineral oil.

NOTE: For all grades, see the lubrication charts on pages 4-5.



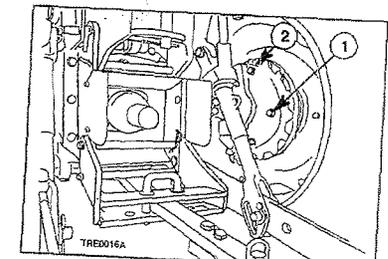
43

OPERATION 32

FINAL REDUCTION GEARS – Fig. 44

Check the oil level as follows:

- Park the tractor on a level surface.
- Remove the plug (1). Some oil should flow out of the plug hole. If necessary, top up via plug hole (2) until the oil overflows.

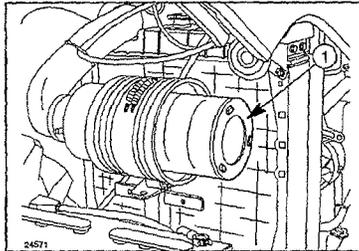


44

OPERATION 33

DRY AIR FILTER, EXTERNAL CARTRIDGE
 – Fig. 45

Remove the cover, take out external cartridge (1) and clean as described in operation 13, on page 4-11 of this section.



45

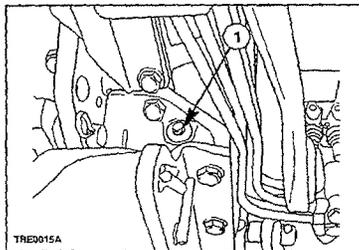
OPERATION 34

TRANSMISSION AND HYDRAULIC LIFT –
 Fig. 46

With the tractor on a level surface, the engine shut off and the hydraulic lift linkage fully lowered, check that the oil level reaches the "MAX" mark on the combined filler plug/dipstick (1).

If necessary, add oil through the fill point and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.



46

OPERATION 35

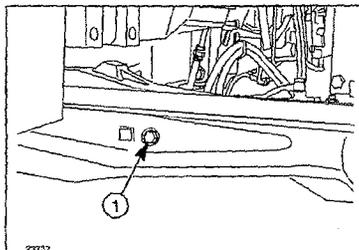
FRONT AXLE HOUSING 4WD – Fig. 47

Check the oil level as follows:

- Park the tractor on a level surface;
- Remove the plug (1). Some oil should flow out of the plug hole.

If necessary, top up via plug hole (1) until the oil overflows.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



47

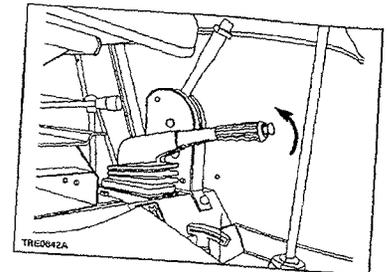
OPERATION 36

HANDBRAKE – Fig. 48– 49– 50

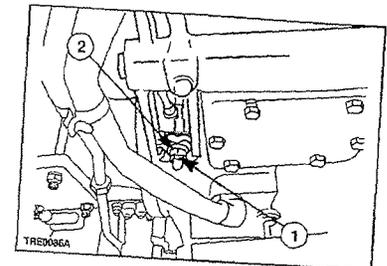
The handbrake lever must be adjusted whenever work is carried out on the unit or when the lever does not engage with the third notch of the sector gear when the handbrake is applied.

For 2WD models (Fig. 49) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



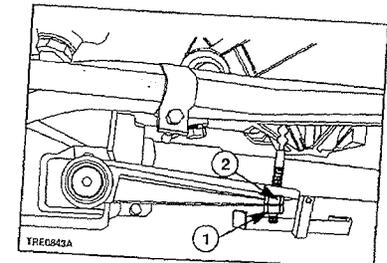
48



49

For 4WD models (Fig. 50) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



50

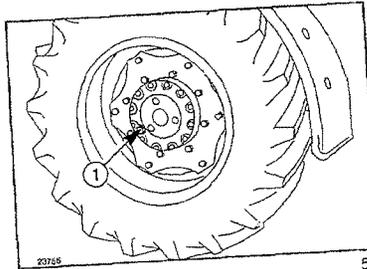
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 37

FRONT AXLE REDUCTION HUBS 4WD
- Fig. 51

Check the oil level by rotating the wheel until the plug (1) is at the horizontal position. If oil does not overflow when the plug is removed, top up through the opening and replace the plug.

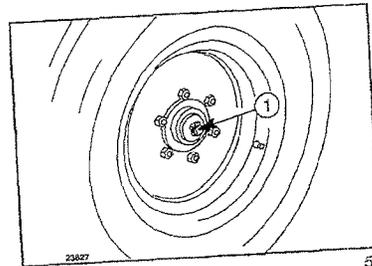
NOTE: For oil grades, see the lubrication charts on page 4-5.



OPERATION 38

FRONT WHEELS 2WD - Fig. 52

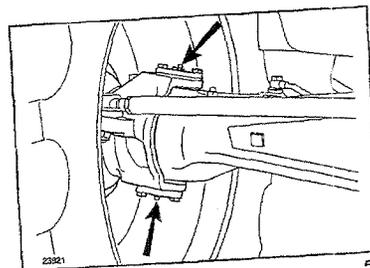
Remove covers (1) from both hubs. Fill them with 251 HEP grease and replace.



OPERATION 39

FRONT AXLE SWIVEL BEARINGS 4WD
- Fig. 53

At least twice a year, pump 251 HEP grease into the two lubrication fittings shown (two on each side).

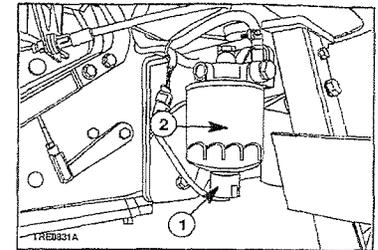


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 40

FUEL SEDIMENTER- Fig. 54

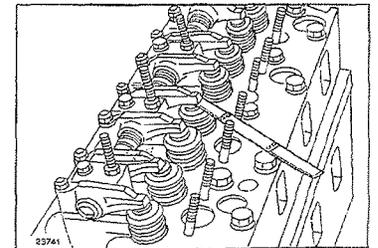
Unscrew the drain plug (1) fig. 54. Turn the sedimenter element (2) completely to remove. Replace the fuel sedimenter with new one. Install the drain plug and tighten it carefully.



OPERATION 41

ENGINE VALVES - Fig. 55

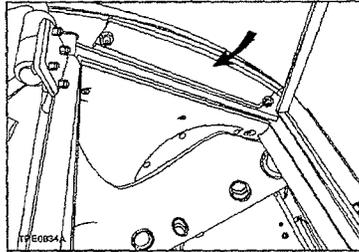
Contact your dealer to check the clearance between the valves and the rocker arms (0.35 ± 0.05 mm; 0.012 ± 0.002 in). The inspection must be carried out when the engine is cold.



OPERATION 42

CAB AIR FILTERS – Fig. 56

Remove the grill shown by arrow, and replace the filter element.



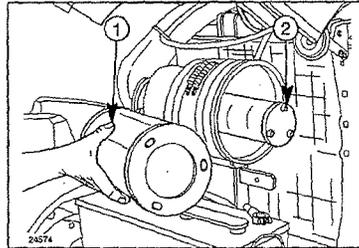
56

OPERATION 43

DRY AIR FILTER – Fig. 57

Remove the outer element (1), together with the inner safety element (2).

Clean the inside of the casing with a damp, lint-free cloth and install two new filters.



57

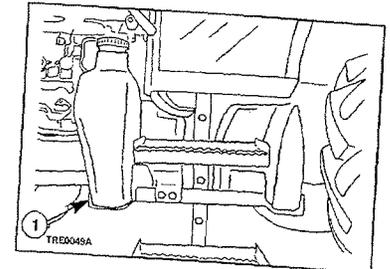
OPERATION 44

FUEL TANK – Fig. 58

With the tractor on a level surface and the engine off, drain the fuel as described below:

- Place a container under the tank;
- Remove plug (1) and drain the fuel to remove any impurities in the tank.

Refill the tank with clean fuel and bleed the system as described on page 4-36 in this section.



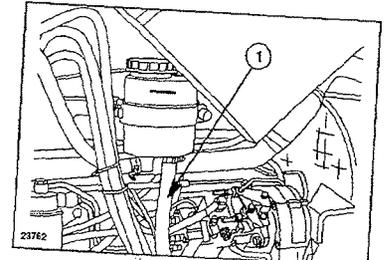
58

OPERATION 45

DRAINING THE HYDROSTATIC STEERING OIL – Fig. 59

Place a container under the reservoir, remove tube (1) and drain the oil. Refit the tube and clean the internal filter before filling with new oil.

NOTE: For all grades, see the lubrication charts on page 4-5.



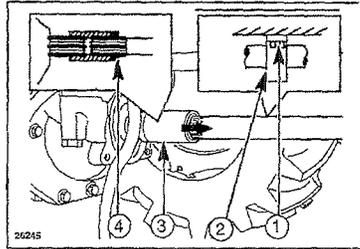
59

OPERATION 46

DRIVE SHAFT SLEEVE FOR 4WD FRONT AXLE CONNECTION - Fig. 60

Check as follows:

- Disassemble the front axle drive shaft guard;
- Loosen screws (1), to disconnect the support (2) from the drive housing;
- Remove circlip (4);
- Move the sleeve (3) as shown by the arrow, lower the drive shaft until the sleeve can be removed and check that the inner groove does not show signs of excessive wear.



60

▲ **WARNING** ▲

If the sleeve inner groove should prove excessively worn, refer to your dealer for a possible replacement.

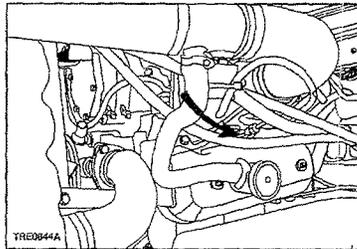
OPERATION 47

INJECTORS - Fig. 61

Have your dealer check the pressure settings (see page 8-7). To remove the injectors from the engine, detach the lines and remove the connectors.

NOTE: Before loosening or disconnecting any part of the injection system, thoroughly clean the area in which you are going to work.

NOTE: Cover all injector lines and apertures to prevent any dirt from entering.



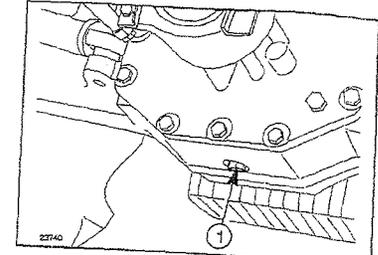
61

OPERATION 48

FRONT AXLE HOUSING - 4WD - Fig. 62

Place a container under the axle housing, unscrew plug (1), let all the oil drain out. Refill with new oil through the filler/level plug hole (1) fig. 47.

NOTE: For oil grades, see the lubrication charts on page 4-5.



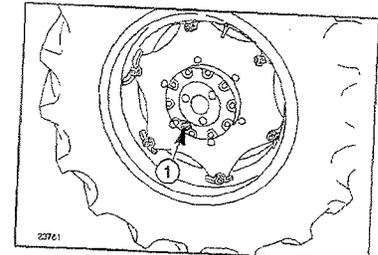
62

OPERATION 49

DRAINING THE OIL FROM THE FRONT AXLE FINAL DRIVES - 4WD - Fig. 63

Position plug (1) to its lowest point, place a container under the plug hole and drain the oil. Rotate the wheel so that the plug hole is in a horizontal position and fill with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



63

OPERATION 50

ENGINE COOLING SYSTEM

- Figs. 64, 65 and 66

The system uses a mixture of **PREMIUM ANTIFREEZE MS 1710** and water. This liquid has anti-oxidant, anti-corrosive, anti-foaming and anti-crusting properties. It is also non-freezing down to temperatures of:

Degrees (°C)	-8	-15	-25	-30
% in volume of PREMIUM ANTIFREEZE MS 1710 to water	20	30	40	50

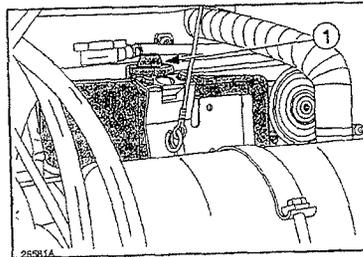
Your tractor is supplied with the cooling system filled with an **PREMIUM ANTIFREEZE MS 1710** solution appropriate to your climatic conditions. This will guarantee the system down to the temperature shown on the plate attached to the hood.

This mixture will protect the cooling system for a period of **2 years** provided that during this time the tractor has not been used for more than **1200 hours** in total. Flush the system and replace the anti-freeze mixture when either of these limits have been reached.

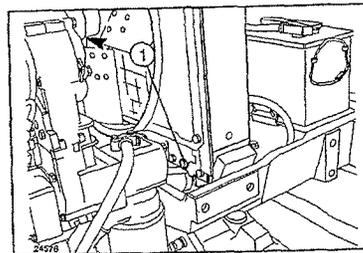
In emergencies, to prevent overheating, fill the system by pouring water into the radiator opening (1) fig. 66.

WARNING

Repair any damage and top up the mixture as soon as possible, referring to the table above.



64



65

FLUSHING THE SYSTEM (MODELS WITHOUT CABS)

Flush at least every **1200 service hours** or every **2 years**, and whenever changing the anti-freeze in the system.

Proceed as follows:

- Remove the expansion tank cap (1) fig. 64.
- Remove the radiator plug (1) fig. 65 and drain the water while the engine is hot;

CAUTION

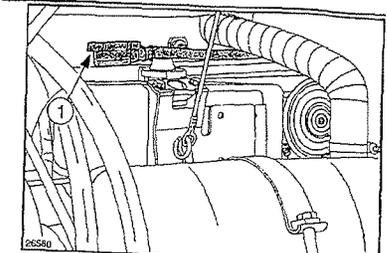
The engine must be switched off when draining the water.

- Once the engine has cooled, fill the radiator with a filtered solution of Solvay soda and water at a ratio of **250 grams** (8.8 oz.) of soda to **10 litres** (2.20 Imp gal. - 2.70 US gal.) of water;
- Run the tractor for approximately one hour and then drain the flushing solution;
- Wait for the engine to cool down, then circulate pure water by pouring it into the radiator and allowing it to drain from radiator drain plug (1) fig. 65.
- Replace the radiator plug, fill with water, run the engine for a few minutes and drain the system;
- Leave the engine to cool and top up to the normal level.

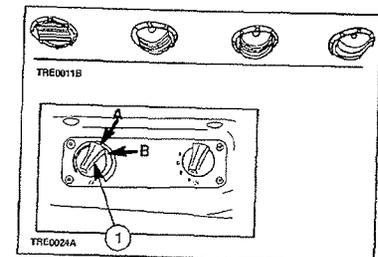
THERMOSTAT

There is a thermostat in the cooling circuit to prevent the water circulating in the radiator until the water reaches a high enough temperature to allow the engine to operate correctly (approx. 85° C / 185° F).

If you think the thermostat may not be working properly, remove it and have it checked by your dealer.



66



67

**FLUSHING THE HEATING SYSTEM
(MODELS WITH CAB)**

The heating system uses fluid from the engine cooling system drawn off between the engine and the radiator.

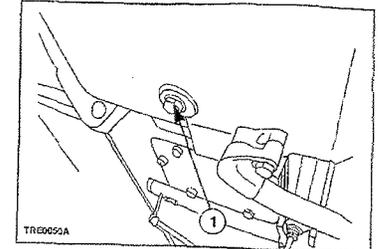
Flush the cooling system as described for models without cab, bearing in mind that the heating system can be completely drained by turning temperature adjustment control (1) fig. 67 to the vertical position A.

Fill the engine cooling system and cab heating system as follows:

- fill the radiator with a mixture of **PREMIUM ANTIFREEZE MS 1710** and water and fit the radiator filler cap;
- Turn heating control (1) to red, (horizontal position B), start the engine and run it for approx. 5 to 10 minutes. (This operation is necessary to warm the coolant in the engine cooling system);
- Remove the upper radiator cap, turn the heating control (1) to a vertical position and run the engine at maximum power for around five minutes;
- Fill the radiator with the engine running at high revs until it is completely full, and fit the cap.

OPERATION 51**TRANSMISSION AND HYDRAULIC LIFT OIL
- Figs. 68 and 69****Transmission housing**

Place a container under the left side of the housing, close to the fuel tank, and drain the oil via the plug hole (1) fig. 68.



68

Final drive, 4-wheel drive

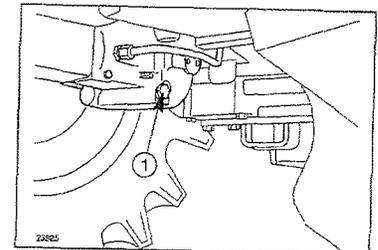
Place a container under the final drive housing and drain oil via plug hole (1) fig. 69.

Oil filters

Replace the hydraulic lift oil filter cartridge (Op.29) and hydrostatic steering and auxiliary systems filter (Op.31).

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (1) Operation 34.

NOTE: For oil grades, see the lubrication charts on page 4-5.



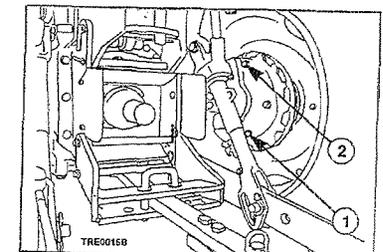
69

OPERATION 52**FINAL REDUCTION OIL - Fig. 70**

Place a container under the final housing and drain oil via hole (1) fig. 70.

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (2) fig. 44.

NOTE: For oil quantity, see the lubrication charts on page 4-5.



70

BLEEDING THE FUEL SYSTEM**Bleeding procedure – Figs. 71 and 72**

During long periods when the tractor is not used, when the filter and fuel lines are removed or when there is no fuel in the tractor, air may enter the fuel system.

The presence of air makes it difficult to start the engine and it therefore needs to be bled as follows when the fuel tank is refilled:

Unscrew the bleed plug (1) fig. 71 by approximately two turns.

Actuate lever (1) fig. 72 until fuel without air bubbles spurts from the bleed hole.

Tighten plug (1) fig. 71.

After tightening the bleed plug (1) fig. 71, actuate lever (1) fig. 72 a few times.

Turn the ignition key to position C, as shown in Section 2, fig. 19, page 2-12. As soon as the engine starts, release the key.

NOTE: Your engine is fitted with a rotary injection pump, whose internal components must be protected from rusting if not used for over a month. Therefore, before stopping the tractor, mix **PROT 10 W/M oil** with the fuel in the tank in a proportion of 10% and run the engine for approximately half an hour.

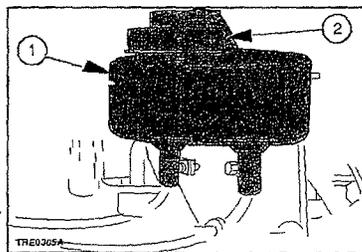
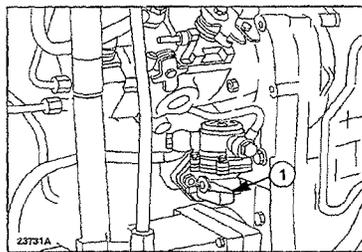
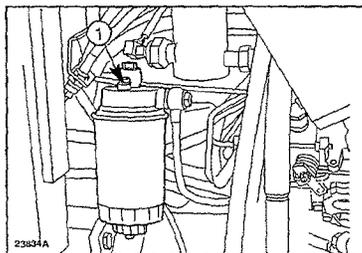
BLEEDING THE HYDRAULIC BRAKE SYSTEM**Bleeding procedure – Figs. 73 to 76**

Whenever work is carried out on the front brake hydraulic system, the air must be bled from the system. Proceed as follows.

Thoroughly clean the external parts of the unit around the hydraulic fluid tank cap (2) fig. 73 and the bleed screws (1-2) fig. 74.

Make sure that the hydraulic fluid in the tank (1) fig. 73 is maintained up to the full mark both before and during the bleeding operations.

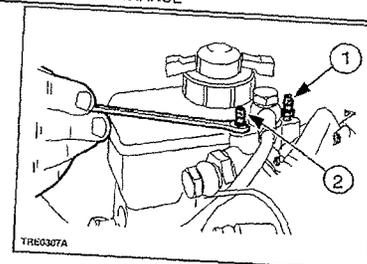
NOTE: Filter all drained oil before reusing.



Depress the LH brake pedal, **slowly and to the end of its travel**, so that the fluid is placed under pressure.

Keeping the pedal depressed, loosen the bleed screw (1) fig. 74 by half a turn and allow the fluid mixed with air bubbles to flow out.

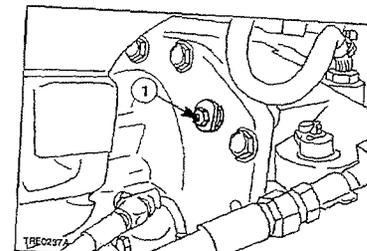
Retighten the screw (1) fig. 74 and repeat the above operations until the fluid that comes out is free of air bubbles.



Depress the LH brake pedal again to place the circuit under pressure. This occurs when the travel of the pedal returns to normal.

Repeat the above operations for the RH brake pedal by tightening or loosening bleed screw (2) fig. 74.

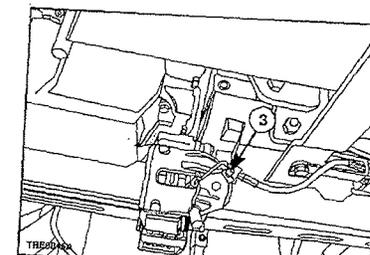
Depress the **LH and RH** brake pedal, slowly and to the end of the travel, so that the fluid is placed under pressure.



Keeping the pedals depressed, loosen the bleed screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) and repeat the above operations until the fluid that comes out is free of air bubbles.

When the operation has been completed, replenish the fluid in the tank (1, fig. 73).



RECOMMENDATIONS FOR BODYWORK MAINTENANCE

Protection against atmospheric agents

Over the years, the Company has introduced a series of measures to protect the tractor from the deterioration and corrosion which can be caused by various external elements, such as those listed below:

- salinity and humidity in the atmosphere;
- atmospheric pollution (industrial areas);
- abrasive action of solid substances;
- using tractor in the presence of aggressive chemical and/or organic substances;
- physical damage such as dents, abrasions or deep scratches.

The technical response to these problems was:

- highly corrosion-resistant zinc plating;
- paint systems and paints which help the tractor resist corrosion and abrasion;
- application of suitable hardened plastic-coatings to points which are particularly exposed to corrosion (edges, projections and sheet-metal welded joints);

Unfortunately, external agents act in various ways depending on environmental conditions and tractor use; if the user takes enough care, however, his tractor can be maintained in substantially better condition.

The following information is provided to help achieve this aim.

BODYWORK AND CAB

Where there are abrasions or deep scratches, which expose the underlying metal, they need to be retouched immediately with genuine products as follows:

- rub down the area thoroughly;

- apply the primer;
- leave to dry and then rub down lightly;
- apply the paint;
- lastly, polish.

The paint can normally be maintained by washing at intervals which vary depending on the conditions of use and the environment. In areas prone to atmospheric pollution and in coastal areas, wash more frequently, whereas if organic or chemical substances are present, wash *immediately* after the tractor is used. Use a low-pressure water spray, sponge down with a solution of 2 to 4% shampoo in water, rinsing the sponge frequently, rinse the tractor thoroughly and dry it, if possible, with an air jet.

Avoid washing the tractor after it has been standing in the sun and when the engine is still hot in order to protect the shine on the paint.

It is good practice to protect the paint by polishing it with specialized products (silicone waxes) from time to time and, when the paint starts to dull, you can use wax polish which has a slight abrasive action.

CAB MAINTENANCE

After carrying out the external maintenance of the cab, proceed as follows:

Periodically check that no water remains in areas covered with mats or padding.

Protect the hinges and locks on the doors, and opening windows with lubricants and water-repellents.

Use suitable detergents or, if necessary, sulphuric ether to clean the windows.

Remove the windscreen wiper blade and sprinkle the rubber with talc.

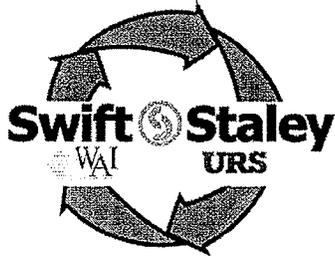
Leave the door or a window partially open.

Vehicle PM Checklist

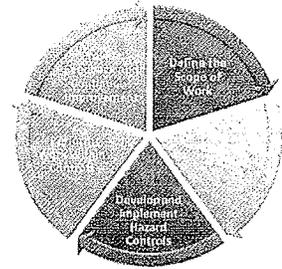
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-021	Project: 204041
WO # 7339	PM: 1088

Scope of Work: Level 3 Work Order:
 CA02266 (SST) - Provide labor and material to service/repair Case Tractor (T04) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.

- POC Chris Moore, SST (5408 or 270-519-1085)
- POC Steve lubelt, SST (5408 or 270-564-5412)
- POC Robert Pickard, SST (5010 or 270-519-0076)

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
--	-------------------------

Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date
---------------------------	------

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete: <hr style="width: 80%; margin: 0 auto;"/> Supervisor - Print / Sign	<hr style="width: 80%; margin: 0 auto;"/> Date
---	--

JX Tractors Preventive Maintenance Service on a 300 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	26	Engine oil		◆				4-21
<input type="checkbox"/>	27	Fuel filter			◆			4-22
<input type="checkbox"/>	28	Fuel pump filter			◆			4-22
<input type="checkbox"/>	29	Oil filter, hydraulic lift			◆			4-22
<input type="checkbox"/>	30	Engine oil filter			◆			4-23
<input type="checkbox"/>	31	Oil filter, hydrostatic steering (separate tank)			◆			4-23
<input type="checkbox"/>	32	Final reduction gears		◆				4-23
<input type="checkbox"/>	33	Dry air filter (external cartridge)			◆			4-24
<input type="checkbox"/>	34	Rear transmission and hydraulic lift	◆	◆				4-24
<input type="checkbox"/>	35	Front axle housing		◆				4-24
<input type="checkbox"/>	36	Handbrake	◆				◆	4-25
<input type="checkbox"/>	37	Front axle reduction hubs		◆				4-26
<input type="checkbox"/>	38	Front wheels 2WD				◆		4-26
<input type="checkbox"/>	39	Front axle swivel bearings 4WD				◆		4-26

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

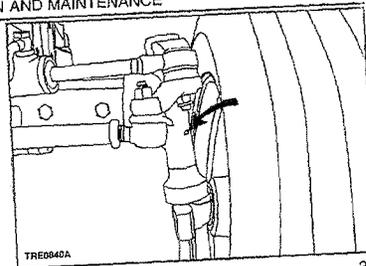
Mechanic Signature _____ Date _____

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 22

RIGHT-HAND STUB AXLE 2WD - Fig. 34

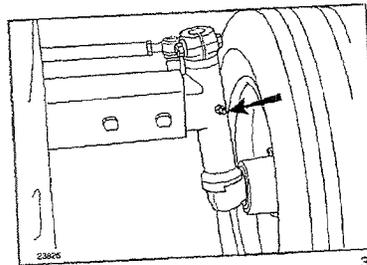
Using a grease gun, pump 251 HEP grease into the lubrication fittings shown.



OPERATION 23

LEFT-HAND STUB AXLE 2WD - Fig. 35

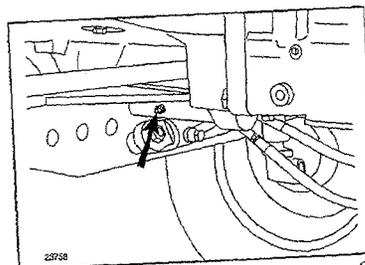
Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.



OPERATION 24

FRONT AXLE PIVOT 2WD - Fig. 36

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.

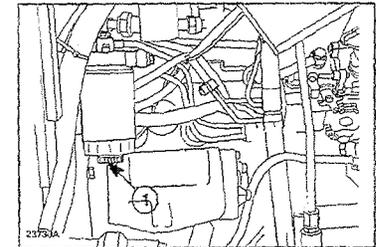


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 25

FUEL FILTER - Fig. 37

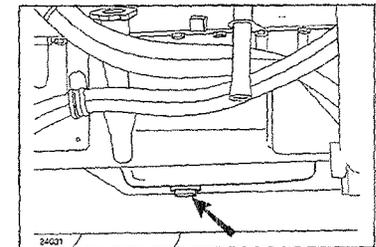
Loosen the drain plug (1) approximately $\frac{3}{4}$ of a turn, then operate the fuel pump primer lever to force condensed water and sediment from the filter. When only clean fuel drains from the filter, tighten the drain plug.



OPERATION 26

ENGINE OIL - Fig. 38

Drain off all the oil via the sump plug shown and refill with fresh oil using fill points (2) fig. 16 or (1) fig. 17 page 4-13.

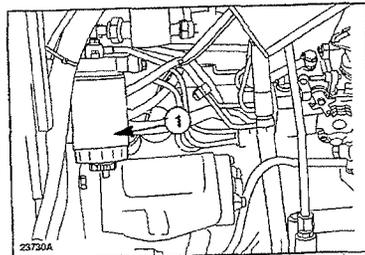


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 27

FUEL FILTER – Fig. 39

Unscrew and remove the filter cartridge (1). Install a new filter cartridge.
Bleed air from the fuel system as described on page 4-36 in this section.

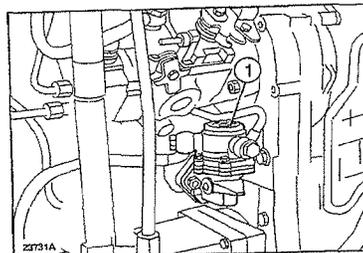


39

OPERATION 28

FUEL PUMP FILTER – Fig. 40

Remove cover (1) and clean the internal filter screen.

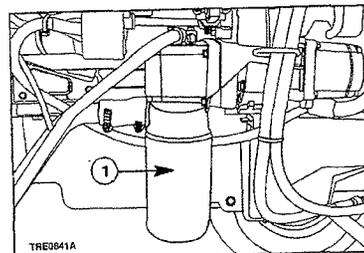


40

OPERATION 29

HYDRAULIC LIFT OIL FILTER – Fig. 41

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No.34 page 4-24).



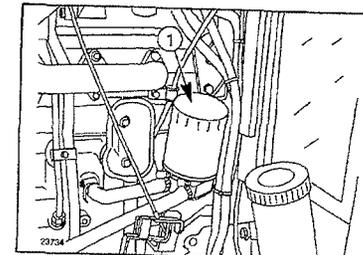
41

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 30

ENGINE OIL FILTER – Fig. 42

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No. 9 fig. 16 and 17).



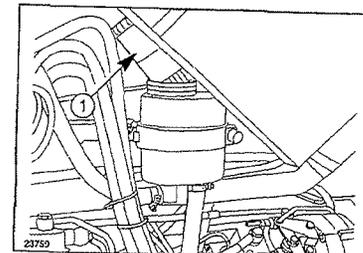
42

OPERATION 31

HYDROSTATIC STEERING – Fig. 43

Remove the filter (1) (press downwards and move sideways) and wash the filter, together with the filler cap in mineral oil.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



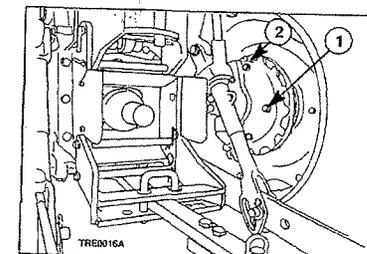
43

OPERATION 32

FINAL REDUCTION GEARS – Fig. 44

Check the oil level as follows:

- Park the tractor on a level surface.
- Remove the plug (1). Some oil should flow out of the plug hole. If necessary, top up via plug hole (2) until the oil overflows.

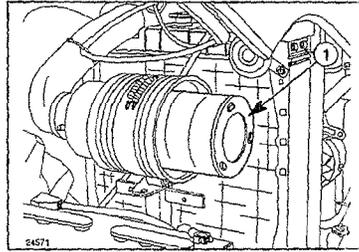


44

OPERATION 33

DRY AIR FILTER, EXTERNAL CARTRIDGE
 - Fig. 45

Remove the cover, take out external cartridge (1) and clean as described in operation 13, on page 4-11 of this section.



45

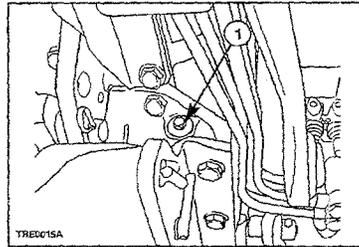
OPERATION 34

TRANSMISSION AND HYDRAULIC LIFT -
 Fig. 46

With the tractor on a level surface, the engine shut off and the hydraulic lift linkage fully lowered, check that the oil level reaches the "MAX" mark on the combined filler plug/dipstick (1).

If necessary, add oil through the fill point and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.



46

OPERATION 35

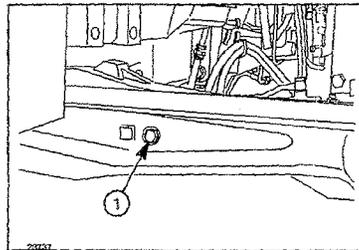
FRONT AXLE HOUSING 4WD - Fig. 47

Check the oil level as follows:

- Park the tractor on a level surface;
- Remove the plug (1). Some oil should flow out of the plug hole.

If necessary, top up via plug hole (1) until the oil overflows.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



47

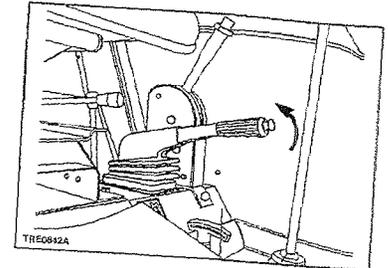
OPERATION 36

HANDBRAKE - Fig. 48-49-50

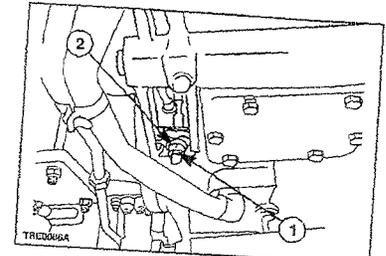
The handbrake lever must be adjusted whenever work is carried out on the unit or when the lever does not engage with the third notch of the sector gear when the handbrake is applied.

For 2WD models (Fig. 49) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



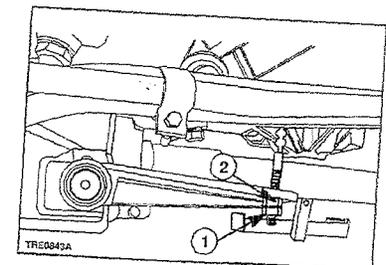
48



49

For 4WD models (Fig. 50) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



50

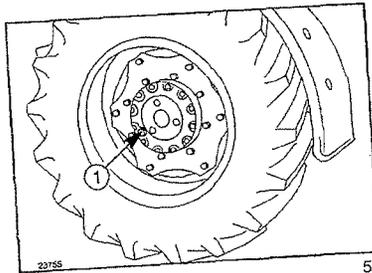
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 37

FRONT AXLE REDUCTION HUBS 4WD
- Fig. 51

Check the oil level by rotating the wheel until the plug (1) is at the horizontal position. If oil does not overflow when the plug is removed, top up through the opening and replace the plug.

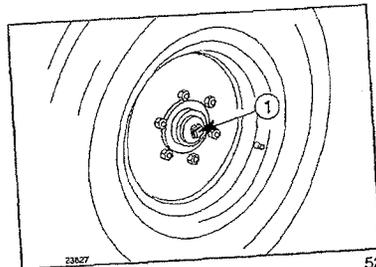
NOTE: For oil grades, see the lubrication charts on page 4-5.



OPERATION 38

FRONT WHEELS 2WD - Fig. 52

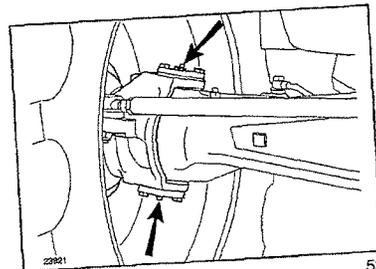
Remove covers (1) from both hubs. Fill them with 251 HEP grease and replace.



OPERATION 39

FRONT AXLE SWIVEL BEARINGS 4WD
- Fig. 53

At least twice a year, pump 251 HEP grease into the two lubrication fittings shown (two on each side).

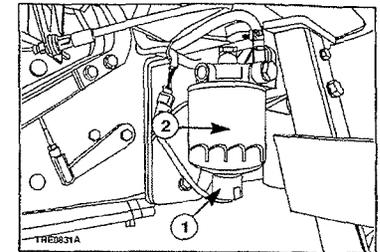


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 40

FUEL SEDIMENTER- Fig. 54

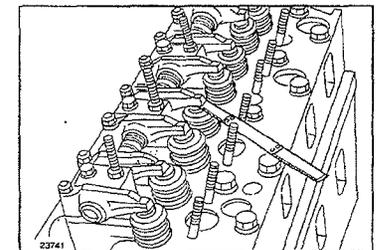
Unscrew the drain plug (1) fig. 54. Turn the sedimenter element (2) completely to remove. Replace the fuel sedimenter with new one. Install the drain plug and tighten it carefully .



OPERATION 41

ENGINE VALVES - Fig. 55

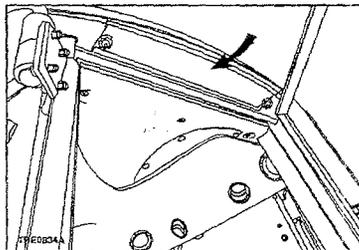
Contact your dealer to check the clearance between the valves and the rocker arms (0.35 ± 0.05 mm; 0.012 ± 0.002 in). The inspection must be carried out when the engine is cold.



OPERATION 42

CAB AIR FILTERS – Fig. 56

Remove the grill shown by arrow, and replace the filter element.



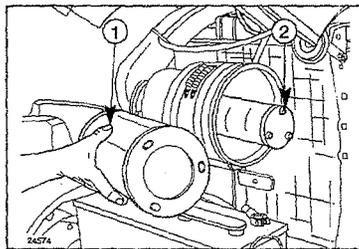
56

OPERATION 43

DRY AIR FILTER – Fig. 57

Remove the outer element (1), together with the inner safety element (2).

Clean the inside of the casing with a damp, lint-free cloth and install two new filters.



57

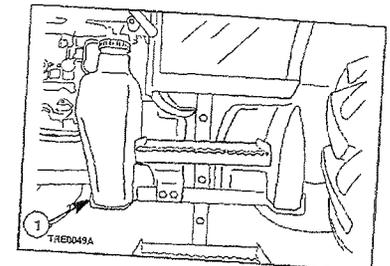
OPERATION 44

FUEL TANK – Fig. 58

With the tractor on a level surface and the engine off, drain the fuel as described below:

- Place a container under the tank;
- Remove plug (1) and drain the fuel to remove any impurities in the tank.

Refill the tank with clean fuel and bleed the system as described on page 4-36 in this section.



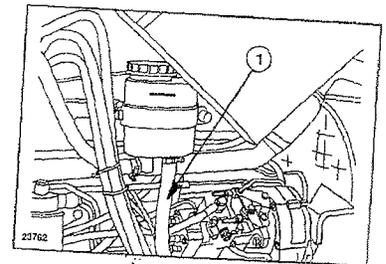
58

OPERATION 45

DRAINING THE HYDROSTATIC STEERING OIL – Fig. 59

Place a container under the reservoir, remove tube (1) and drain the oil. Refit the tube and clean the internal filter before filling with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



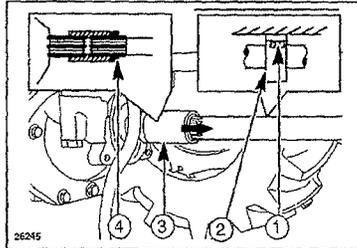
59

OPERATION 46

DRIVE SHAFT SLEEVE FOR 4WD FRONT AXLE CONNECTION – Fig. 60

Check as follows:

- Disassemble the front axle drive shaft guard;
- Loosen screws (1), to disconnect the support (2) from the drive housing;
- Remove circlip (4);
- Move the sleeve (3) as shown by the arrow, lower the drive shaft until the sleeve can be removed and check that the inner groove does not show signs of excessive wear.



60

⚠ WARNING ⚠

If the sleeve inner groove should prove excessively worn, refer to your dealer for a possible replacement.

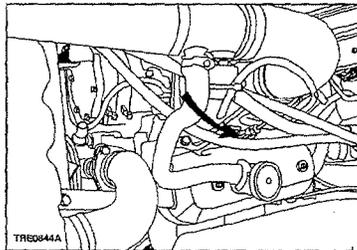
OPERATION 47

INJECTORS – Fig. 61

Have your dealer check the pressure settings (see page 8-7). To remove the injectors from the engine, detach the lines and remove the connectors.

NOTE: Before loosening or disconnecting any part of the injection system, thoroughly clean the area in which you are going to work.

NOTE: Cover all injector lines and apertures to prevent any dirt from entering.



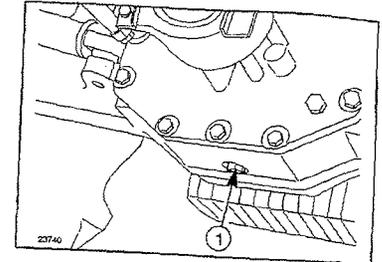
61

OPERATION 48

FRONT AXLE HOUSING – 4WD – Fig. 62

Place a container under the axle housing, unscrew plug (1), let all the oil drain out. Refill with new oil through the filler/level plug hole (1) fig. 47.

NOTE: For oil grades, see the lubrication charts on page 4-5.



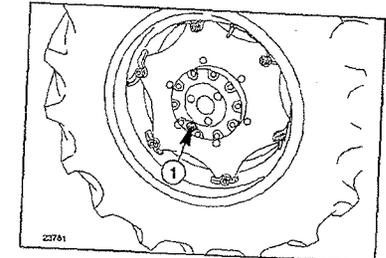
62

OPERATION 49

DRAINING THE OIL FROM THE FRONT AXLE FINAL DRIVES – 4WD – Fig. 63

Position plug (1) to its lowest point, place a container under the plug hole and drain the oil. Rotate the wheel so that the plug hole is in a horizontal position and fill with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



63

OPERATION 50

ENGINE COOLING SYSTEM

-- Figs. 64, 65 and 66

The system uses a mixture of **PREMIUM ANTIFREEZE MS 1710** and water. This liquid has anti-oxidant, anti-corrosive, anti-foaming and anti-crusting properties. It is also non-freezing down to temperatures of:

Degrees (°C)	-3	-15	-25	-30
% in volume of PREMIUM ANTIFREEZE MS 1710 to water	20	30	40	50

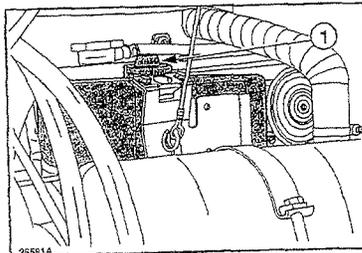
Your tractor is supplied with the cooling system filled with an **PREMIUM ANTIFREEZE MS 1710** solution appropriate to your climatic conditions. This will guarantee the system down to the temperature shown on the plate attached to the hood.

This mixture will protect the cooling system for a period of **2 years** provided that during this time the tractor has not been used for more than **1200 hours** in total. Flush the system and replace the anti-freeze mixture when either of these limits have been reached.

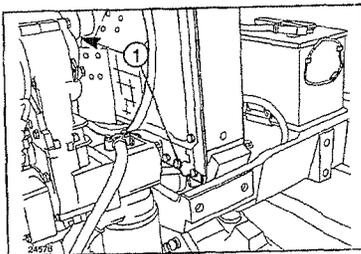
In emergencies, to prevent overheating, fill the system by pouring water into the radiator opening (1) fig. 66.

WARNING

Repair any damage and top up the mixture as soon as possible, referring to the table above.



64



65

FLUSHING THE SYSTEM (MODELS WITHOUT CABS)

Flush at least every **1200 service hours** or every **2 years**, and whenever changing the anti-freeze in the system.

Proceed as follows:

- Remove the expansion tank cap (1) fig. 64. Remove the radiator plug (1) fig. 65 and drain the water while the engine is hot;

CAUTION

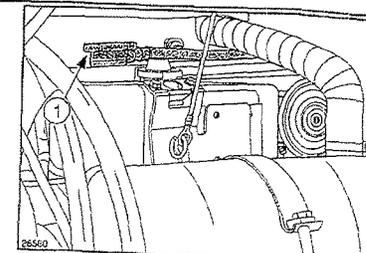
The engine must be switched off when draining the water.

- Once the engine has cooled, fill the radiator with a filtered solution of Solvay soda and water at a ratio of **250 grams (8.8 oz.)** of soda to **10 litres (2.20 Imp gal. - 2.70 US gal.)** of water;
- Run the tractor for approximately one hour and then drain the flushing solution;
- Wait for the engine to cool down, then circulate pure water by pouring it into the radiator and allowing it to drain from radiator drain plug (1) fig. 65.
- Replace the radiator plug, fill with water, run the engine for a few minutes and drain the system;
- Leave the engine to cool and top up to the normal level.

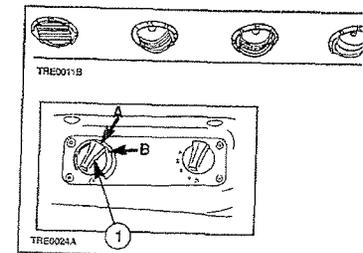
THERMOSTAT

There is a thermostat in the cooling circuit to prevent the water circulating in the radiator until the water reaches a high enough temperature to allow the engine to operate correctly (approx. **85° C / 185° F**).

If you think the thermostat may not be working properly, remove it and have it checked by your dealer.



66



67

SECTION 4 - LUBRICATION AND MAINTENANCE

**FLUSHING THE HEATING SYSTEM
(MODELS WITH CAB)**

The heating system uses fluid from the engine cooling system drawn off between the engine and the radiator.

Flush the cooling system as described for models without cab, bearing in mind that the heating system can be completely drained by turning temperature adjustment control (1) fig. 67 to the vertical position A.

Fill the engine cooling system and cab heating system as follows:

- fill the radiator with a mixture of **PREMIUM ANTIFREEZE MS 1710** and water and fit the radiator filler cap;
- Turn heating control (1) to red, (horizontal position B), start the engine and run it for approx. 5 to 10 minutes. (This operation is necessary to warm the coolant in the engine cooling system);
- Remove the upper radiator cap, turn the heating control (1) to a vertical position and run the engine at maximum power for around five minutes;
- Fill the radiator with the engine running at high revs until it is completely full, and fit the cap.

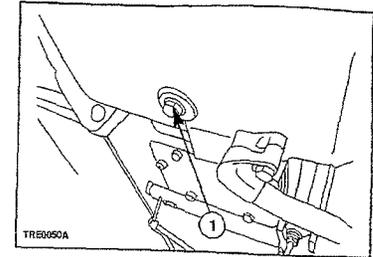
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 51

**TRANSMISSION AND HYDRAULIC LIFT OIL
- Figs. 68 and 69**

Transmission housing

Place a container under the left side of the housing, close to the fuel tank, and drain the oil via the plug hole (1) fig. 68.



68

Final drive, 4-wheel drive

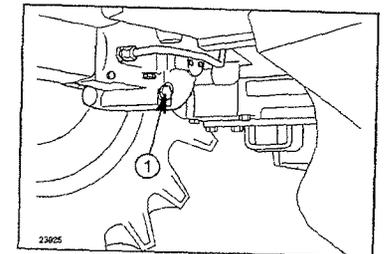
Place a container under the final drive housing and drain oil via plug hole (1) fig. 69.

Oil filters

Replace the hydraulic lift oil filter cartridge (Op.29) and hydrostatic steering and auxiliary systems filter (Op.31).

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (1) Operation 34.

NOTE: For oil grades, see the lubrication charts on page 4-5.



69

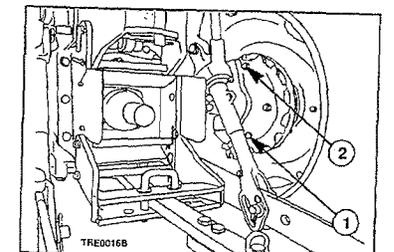
OPERATION 52

FINAL REDUCTION OIL - Fig. 70

Place a container under the final housing and drain oil via hole (1) fig. 70.

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (2) fig. 44.

NOTE: For oil quantity, see the lubrication charts on page 4-5.



70

BLEEDING THE FUEL SYSTEM**Bleeding procedure - Figs. 71 and 72**

During long periods when the tractor is not used, when the filter and fuel lines are removed or when there is no fuel in the tractor, air may enter the fuel system.

The presence of air makes it difficult to start the engine and it therefore needs to be bled as follows when the fuel tank is refilled:

Unscrew the bleed plug (1) fig. 71 by approximately two turns.

Actuate lever (1) fig. 72 until fuel without air bubbles spurts from the bleed hole.

Tighten plug (1) fig. 71.

After tightening the bleed plug (1) fig. 71, actuate lever (1) fig. 72 a few times.

Turn the ignition key to position C, as shown in Section 2, fig. 19, page 2-12. As soon as the engine starts, release the key.

NOTE: Your engine is fitted with a rotary injection pump, whose internal components must be protected from rusting if not used for over a month. Therefore, before stopping the tractor, mix **PROT 10 W/M** oil with the fuel in the tank in a proportion of 10% and run the engine for approximately half an hour.

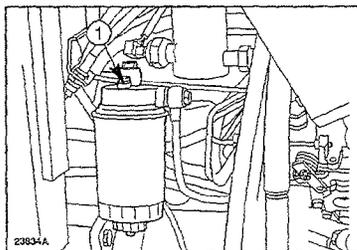
BLEEDING THE HYDRAULIC BRAKE SYSTEM**Bleeding procedure - Figs. 73 to 76**

Whenever work is carried out on the front brake hydraulic system, the air must be bled from the system. Proceed as follows.

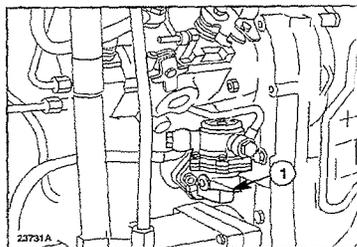
Thoroughly clean the external parts of the unit around the hydraulic fluid tank cap (2) fig. 73 and the bleed screws (1-2) fig. 74.

Make sure that the hydraulic fluid in the tank (1) fig. 73 is maintained up to the full mark both before and during the bleeding operations.

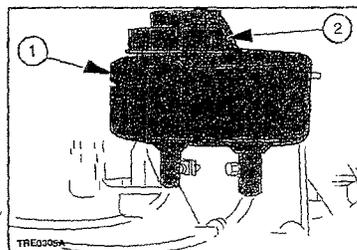
NOTE: Filter all drained oil before reusing.



71



72

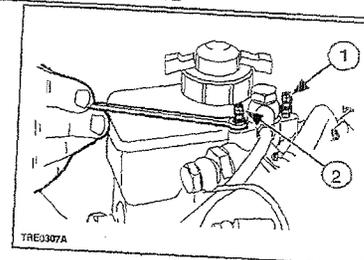


73

Depress the LH brake pedal, slowly and to the end of its travel, so that the fluid is placed under pressure.

Keeping the pedal depressed, loosen the bleed screw (1) fig. 74 by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 74 and repeat the above operations until the fluid that comes out is free of air bubbles.

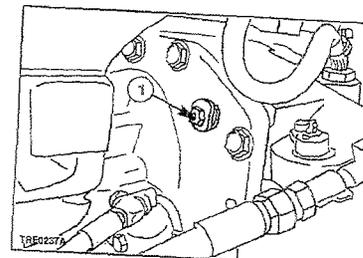


74

Depress the LH brake pedal again to place the circuit under pressure. This occurs when the travel of the pedal returns to normal.

Repeat the above operations for the RH brake pedal by tightening or loosening bleed screw (2) fig. 74.

Depress the LH and RH brake pedal, slowly and to the end of the travel, so that the fluid is placed under pressure.

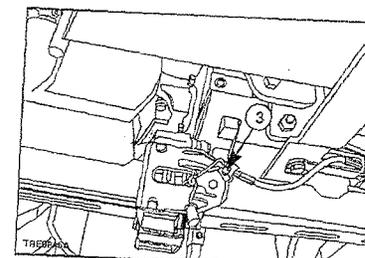


75

Keeping the pedals depressed, loosen the bleed screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) and repeat the above operations until the fluid that comes out is free of air bubbles.

When the operation has been completed, replenish the fluid in the tank (1, fig. 73).



76

RECOMMENDATIONS FOR BODYWORK MAINTENANCE

Protection against atmospheric agents

Over the years, the Company has introduced a series of measures to protect the tractor from the deterioration and corrosion which can be caused by various external elements, such as those listed below:

- salinity and humidity in the atmosphere;
- atmospheric pollution (industrial areas);
- abrasive action of solid substances;
- using tractor in the presence of aggressive chemical and/or organic substances;
- physical damage such as dents, abrasions or deep scratches.

The technical response to these problems was:

- highly corrosion-resistant zinc plating;
- paint systems and paints which help the tractor resist corrosion and abrasion;
- application of suitable hardened plastic-coatings to points which are particularly exposed to corrosion (edges, projections and sheet-metal welded joints);

Unfortunately, external agents act in various ways depending on environmental conditions and tractor use; if the user takes enough care, however, his tractor can be maintained in substantially better condition.

The following information is provided to help achieve this aim.

BODYWORK AND CAB

Where there are abrasions or deep scratches, which expose the underlying metal, they need to be retouched immediately with genuine products as follows:

- rub down the area thoroughly;

- apply the primer;
- leave to dry and then rub down lightly;
- apply the paint;
- lastly, polish.

The paint can normally be maintained by washing at intervals which vary depending on the conditions of use and the environment. In areas prone to atmospheric pollution and in coastal areas, wash more frequently, whereas if organic or chemical substances are present, wash *immediately* after the tractor is used. Use a low-pressure water spray, sponge down with a solution of 2 to 4% shampoo in water, rinsing the sponge frequently, rinse the tractor thoroughly and dry it, if possible, with an air jet.

Avoid washing the tractor after it has been standing in the sun and when the engine is still hot in order to protect the shine on the paint.

It is good practice to protect the paint by polishing it with specialized products (silicone waxes) from time to time and, when the paint starts to dull, you can use wax polish which has a slight abrasive action.

CAB MAINTENANCE

After carrying out the external maintenance of the cab, proceed as follows:

Periodically check that no water remains in areas covered with mats or padding.

Protect the hinges and locks on the doors, and opening windows with lubricants and water-repellents.

Use suitable detergents or, if necessary, sulphuric ether to clean the windows.

Remove the windscreen wiper blade and sprinkle the rubber with talc.

Leave the door or a window partially open.

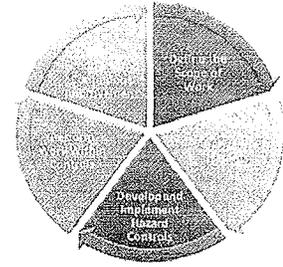
Work Complete:

Supervisor - Print / Sign

Date



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMRGM-009		Project: 204041
WO #	7931	PM: 1136

Scope of Work: Level 3 Work Order:
 CA02268 (SST) - Provide labor and material to service/repair Case Tractor (T05) as described in the attached owners' manual PM section for the 300 hour meter reading.
 - POC Steve lubelt, SST (5408 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

 Supervisor - Print / Sign Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

 Supervisor - Print / Sign Date

JX Tractors Preventive Maintenance Service on a 300 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	26	Engine oil		◆				4-21
<input type="checkbox"/>	27	Fuel filter			◆			4-22
<input type="checkbox"/>	28	Fuel pump filter			◆			4-22
<input type="checkbox"/>	29	Oil filter, hydraulic lift			◆			4-22
<input type="checkbox"/>	30	Engine oil filter			◆			4-23
<input type="checkbox"/>	31	Oil filter, hydrostatic steering (separate tank)			◆			4-23
<input type="checkbox"/>	32	Final reduction gears		◆				4-23
<input type="checkbox"/>	33	Dry air filter (external cartridge)			◆			4-24
<input type="checkbox"/>	34	Rear transmission and hydraulic lift	◆	◆				4-24
<input type="checkbox"/>	35	Front axle housing		◆				4-24
<input type="checkbox"/>	36	Handbrake	◆				◆	4-25
<input type="checkbox"/>	37	Front axle reduction hubs		◆				4-26
<input type="checkbox"/>	38	Front wheels 2WD				◆		4-26
<input type="checkbox"/>	39	Front axle swivel bearings 4WD				◆		4-26

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

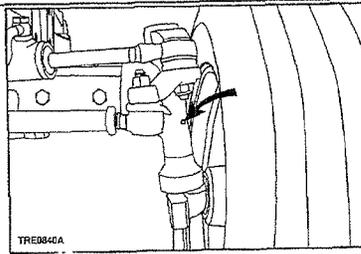
Mechanic Signature _____ Date _____

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 22

RIGHT-HAND STUB AXLE 2WD - Fig. 34

Using a grease gun, pump 251 HEP grease into the lubrication fittings shown.

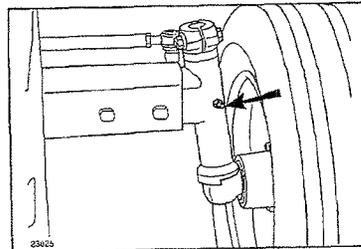


34

OPERATION 23

LEFT-HAND STUB AXLE 2WD - Fig. 35

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.

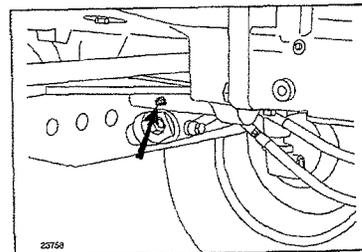


35

OPERATION 24

FRONT AXLE PIVOT 2WD - Fig. 36

Using a grease gun, pump 251 HEP grease into the lubrication fitting shown.



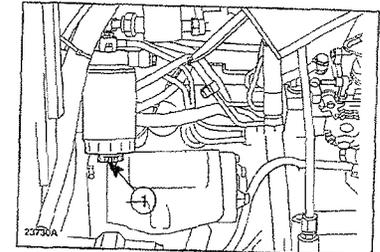
36

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 25

FUEL FILTER - Fig. 37

Loosen the drain plug (1) approximately $\frac{3}{4}$ of a turn, then operate the fuel pump primer lever to force condensed water and sediment from the filter. When only clean fuel drains from the filter, tighten the drain plug.

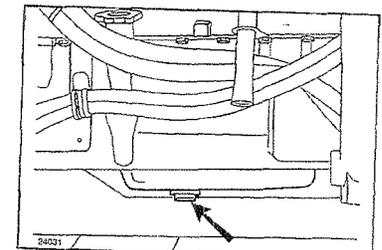


37

OPERATION 26

ENGINE OIL - Fig. 38

Drain off all the oil via the sump plug shown and refill with fresh oil using fill points (2) fig. 16 or (1) fig. 17 page 4-13.



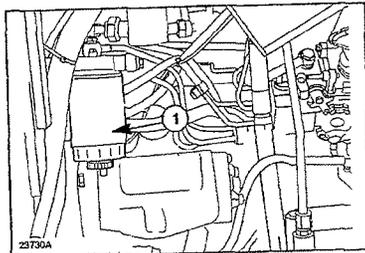
38

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 27

FUEL FILTER – Fig. 39

Unscrew and remove the filter cartridge (1). Install a new filter cartridge.
Bleed air from the fuel system as described on page 4-36 in this section.

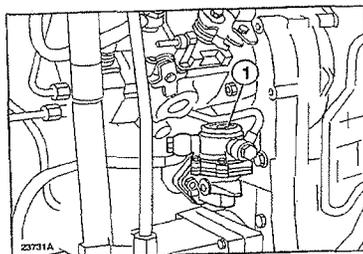


39

OPERATION 28

FUEL PUMP FILTER – Fig. 40

Remove cover (1) and clean the internal filter screen.

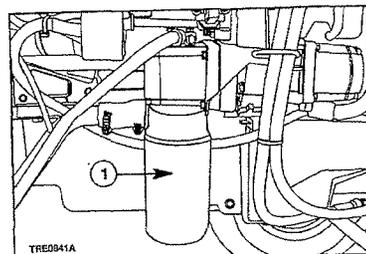


40

OPERATION 29

HYDRAULIC LIFT OIL FILTER – Fig. 41

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No.34 page 4-24).



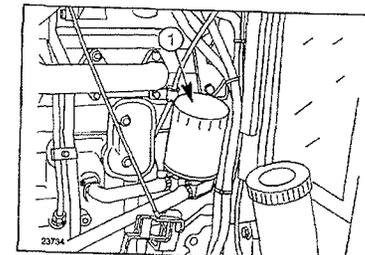
41

SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 30

ENGINE OIL FILTER – Fig. 42

Unscrew and remove the filter (1). Oil the rubberseal then screw on and tighten the cartridge $\frac{3}{4}$ of a turn by hand. Top up the oil with fresh oil. (see Op. No. 9 fig. 16 and 17).



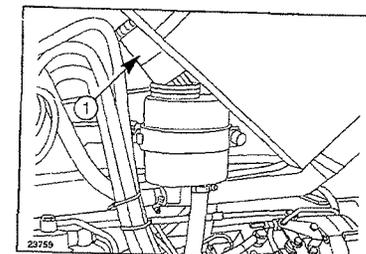
42

OPERATION 31

HYDROSTATIC STEERING – Fig. 43

Remove the filter (1) (press downwards and move sideways) and wash the filter, together with the filler cap in mineral oil.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



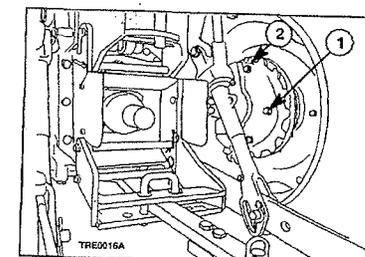
43

OPERATION 32

FINAL REDUCTION GEARS – Fig. 44

Check the oil level as follows:

- Park the tractor on a level surface.
- Remove the plug (1). Some oil should flow out of the plug hole. If necessary, top up via plug hole (2) until the oil overflows.

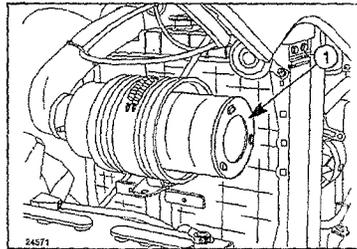


44

OPERATION 33

DRY AIR FILTER, EXTERNAL CARTRIDGE
 - Fig. 45

Remove the cover, take out external cartridge (1) and clean as described in operation 13, on page 4-11 of this section.



45

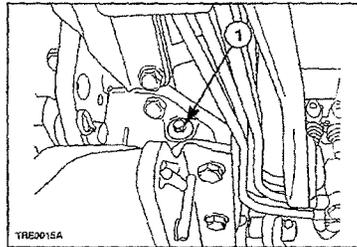
OPERATION 34

TRANSMISSION AND HYDRAULIC LIFT -
 Fig. 46

With the tractor on a level surface, the engine shut off and the hydraulic lift linkage fully lowered, check that the oil level reaches the "MAX" mark on the combined filler plug/dipstick (1).

If necessary, add oil through the fill point and replace the plug.

NOTE: For oil grades, see the lubrication charts on page 4-5.



46

OPERATION 35

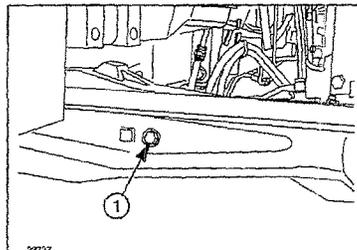
FRONT AXLE HOUSING 4WD - Fig. 47

Check the oil level as follows:

- Park the tractor on a level surface;
- Remove the plug (1). Some oil should flow out of the plug hole.

If necessary, top up via plug hole (1) until the oil overflows.

NOTE: For oil grades, see the lubrication charts on pages 4-5.



47

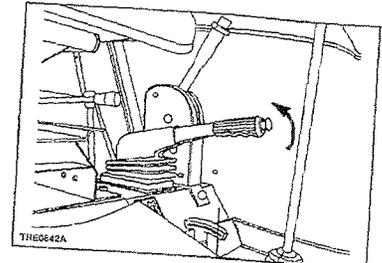
OPERATION 36

HANDBRAKE - Fig. 48- 49- 50

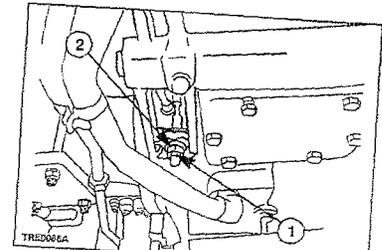
The handbrake lever must be adjusted whenever work is carried out on the unit or when the lever does not engage with the third notch of the sector gear when the handbrake is applied.

For 2WD models (Fig. 49) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



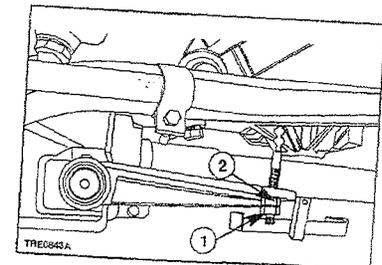
48



49

For 4WD models (Fig. 50) proceed as follows:

- Slacken the lock nut (1)
- Tighten or slacken the adjusting screw (2) until the lever is engaged with the third notch, when the handbrake is applied.
- Tighten the lock nut (1).



50

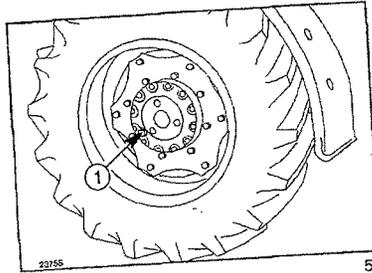
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 37

FRONT AXLE REDUCTION HUBS 4WD
- Fig. 51

Check the oil level by rotating the wheel until the plug (1) is at the horizontal position. If oil does not overflow when the plug is removed, top up through the opening and replace the plug.

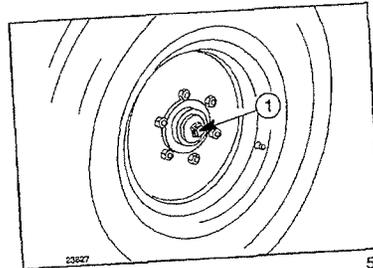
NOTE: For oil grades, see the lubrication charts on page 4-5.



OPERATION 38

FRONT WHEELS 2WD - Fig. 52

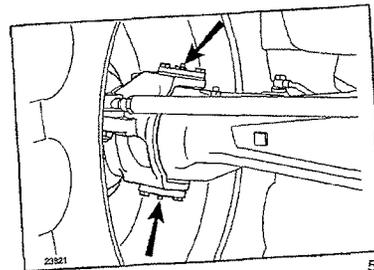
Remove covers (1) from both hubs. Fill them with 251 HEP grease and replace.



OPERATION 39

FRONT AXLE SWIVEL BEARINGS 4WD
- Fig. 53

At least twice a year, pump 251 HEP grease into the two lubrication fittings shown (two on each side).

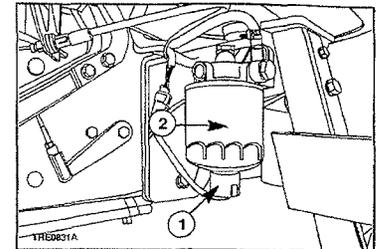


SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 40

FUEL SEDIMENTER- Fig. 54

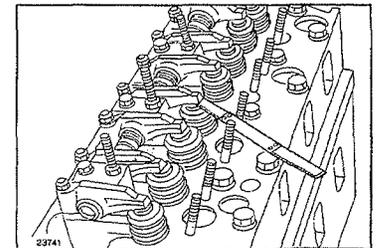
Unscrew the drain plug (1) fig. 54. Turn the sedimenter element (2) completely to remove. Replace the fuel sedimenter with new one. Install the drain plug and tighten it carefully.



OPERATION 41

ENGINE VALVES - Fig. 55

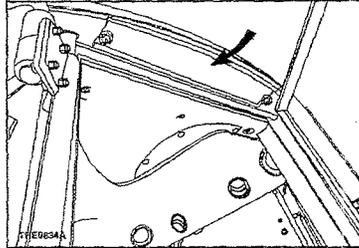
Contact your dealer to check the clearance between the valves and the rocker arms (0.35 ± 0.05 mm; 0.012 ± 0.002 in). The inspection must be carried out when the engine is cold.



OPERATION 42

CAB AIR FILTERS – Fig. 56

Remove the grill shown by arrow, and replace the filter element.



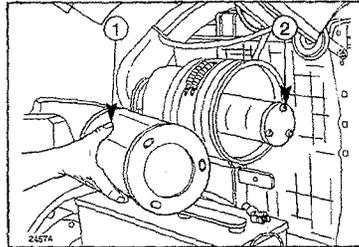
56

OPERATION 43

DRY AIR FILTER – Fig. 57

Remove the outer element (1), together with the inner safety element (2).

Clean the inside of the casing with a damp, lint-free cloth and install two new filters.



57

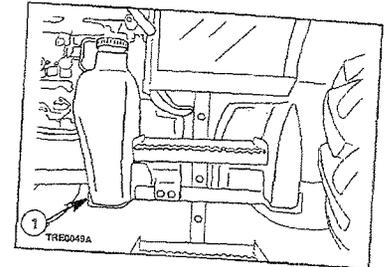
OPERATION 44

FUEL TANK – Fig. 58

With the tractor on a level surface and the engine off, drain the fuel as described below:

- Place a container under the tank;
- Remove plug (1) and drain the fuel to remove any impurities in the tank.

Refill the tank with clean fuel and bleed the system as described on page 4-36 in this section.



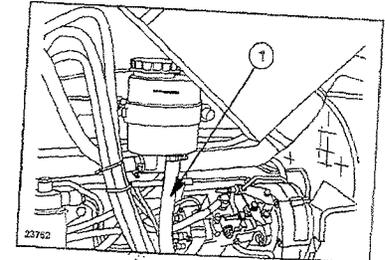
58

OPERATION 45

DRAINING THE HYDROSTATIC STEERING OIL – Fig. 59

Place a container under the reservoir, remove tube (1) and drain the oil. Refit the tube and clean the internal filter before filling with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



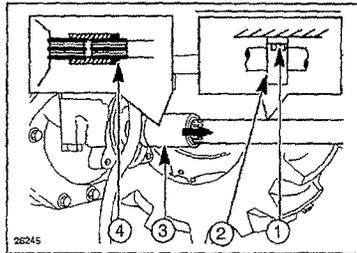
59

OPERATION 46

DRIVE SHAFT SLEEVE FOR 4WD FRONT AXLE CONNECTION - Fig. 60

Check as follows:

- Disassemble the front axle drive shaft guard;
- Loosen screws (1), to disconnect the support (2) from the drive housing;
- Remove circlip (4);
- Move the sleeve (3) as shown by the arrow, lower the drive shaft until the sleeve can be removed and check that the inner groove does not show signs of excessive wear.



60

⚠ WARNING ⚠

If the sleeve inner groove should prove excessively worn, refer to your dealer for a possible replacement.

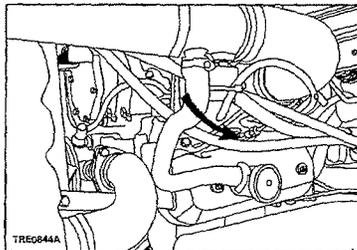
OPERATION 47

INJECTORS - Fig. 61

Have your dealer check the pressure settings (see page 8-7). To remove the injectors from the engine, detach the lines and remove the connectors.

NOTE: Before loosening or disconnecting any part of the injection system, thoroughly clean the area in which you are going to work.

NOTE: Cover all injector lines and apertures to prevent any dirt from entering.



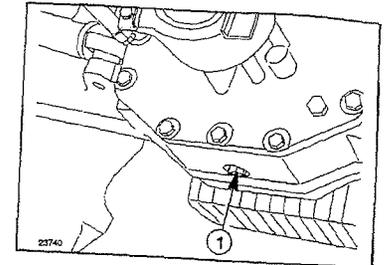
61

OPERATION 48

FRONT AXLE HOUSING - 4WD - Fig. 62

Place a container under the axle housing, unscrew plug (1), let all the oil drain out. Refill with new oil through the filler/level plug hole (1) fig. 47.

NOTE: For oil grades, see the lubrication charts on page 4-5.



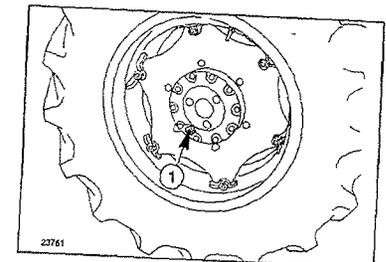
62

OPERATION 49

DRAINING THE OIL FROM THE FRONT AXLE FINAL DRIVES - 4WD - Fig. 63

Position plug (1) to its lowest point, place a container under the plug hole and drain the oil. Rotate the wheel so that the plug hole is in a horizontal position and fill with new oil.

NOTE: For oil grades, see the lubrication charts on page 4-5.



63

OPERATION 50

ENGINE COOLING SYSTEM

- Figs. 64, 65 and 66

The system uses a mixture of **PREMIUM ANTIFREEZE MS 1710** and water. This liquid has anti-oxidant, anti-corrosive, anti-foaming and anti-crusting properties. It is also non-freezing down to temperatures of:

Degrees (°C)	-8	-15	-25	-30
% in volume of PREMIUM ANTIFREEZE MS 1710 to water	20	30	40	50

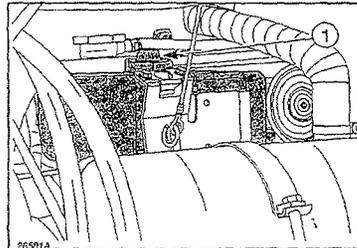
Your tractor is supplied with the cooling system filled with an **PREMIUM ANTIFREEZE MS 1710** solution appropriate to your climatic conditions. This will guarantee the system down to the temperature shown on the plate attached to the hood.

This mixture will protect the cooling system for a period of **2 years** provided that during this time the tractor has not been used for more than **1200 hours** in total. Flush the system and replace the anti-freeze mixture when either of these limits have been reached.

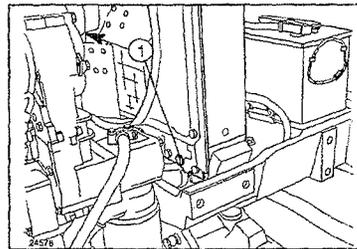
In emergencies, to prevent overheating, fill the system by pouring water into the radiator opening (1) fig. 65.

▲ WARNING ▲

Repair any damage and top up the mixture as soon as possible, referring to the table above.



64



65

SECTION 4 - LUBRICATION AND MAINTENANCE
FLUSHING THE SYSTEM (MODELS WITHOUT CABS)

Flush at least every **1200 service hours** or every **2 years**, and whenever changing the anti-freeze in the system.

Proceed as follows:

- Remove the expansion tank cap (1) fig. 64.
- Remove the radiator plug (1) fig. 65 and drain the water while the engine is hot;

▲ CAUTION ▲

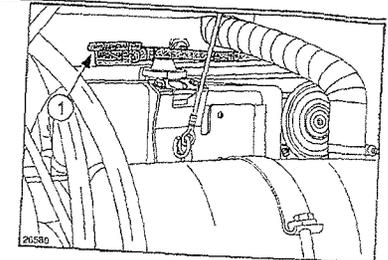
The engine must be switched off when draining the water.

- Once the engine has cooled, fill the radiator with a filtered solution of Solvay soda and water at a ratio of **250 grams** (8.8 oz.) of soda to **10 litres** (2.20 imp gal. - 2.70 US gal.) of water;
- Run the tractor for approximately one hour and then drain the flushing solution;
- Wait for the engine to cool down, then circulate pure water by pouring it into the radiator and allowing it to drain from radiator drain plug (1) fig. 65.
- Replace the radiator plug, fill with water, run the engine for a few minutes and drain the system;
- Leave the engine to cool and top up to the normal level.

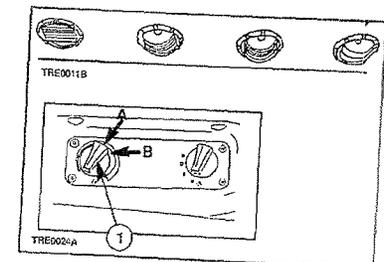
THERMOSTAT

There is a thermostat in the cooling circuit to prevent the water circulating in the radiator until the water reaches a high enough temperature to allow the engine to operate correctly (approx. 85° C / 185° F).

If you think the thermostat may not be working properly, remove it and have it checked by your dealer.



66



67

SECTION 4 - LUBRICATION AND MAINTENANCE

**FLUSHING THE HEATING SYSTEM
(MODELS WITH CAB)**

The heating system uses fluid from the engine cooling system drawn off between the engine and the radiator.

Flush the cooling system as described for models without cab, bearing in mind that the heating system can be completely drained by turning temperature adjustment control (1) fig. 67 to the vertical position A.

Fill the engine cooling system and cab heating system as follows:

- fill the radiator with a mixture of **PREMIUM ANTIFREEZE MS 1710** and water and fit the radiator filler cap;
- Turn heating control (1) to red, (horizontal position B), start the engine and run it for approx. 5 to 10 minutes. (This operation is necessary to warm the coolant in the engine cooling system);
- Remove the upper radiator cap, turn the heating control (1) to a vertical position and run the engine at maximum power for around five minutes;
- Fill the radiator with the engine running at high revs until it is completely full, and fit the cap.

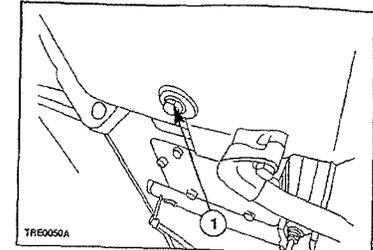
SECTION 4 - LUBRICATION AND MAINTENANCE

OPERATION 51

**TRANSMISSION AND HYDRAULIC LIFT OIL
- Figs. 68 and 69**

Transmission housing

Place a container under the left side of the housing, close to the fuel tank, and drain the oil via the plug hole (1) fig. 68.



68

Final drive, 4-wheel drive

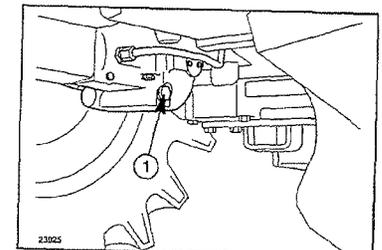
Place a container under the final drive housing and drain oil via plug hole (1) fig. 69.

Oil filters

Replace the hydraulic lift oil filter cartridge (Op.29) and hydrostatic steering and auxiliary systems filter (Op.31).

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (1) Operation 34.

NOTE: For oil grades, see the lubrication charts on page 4-5.



69

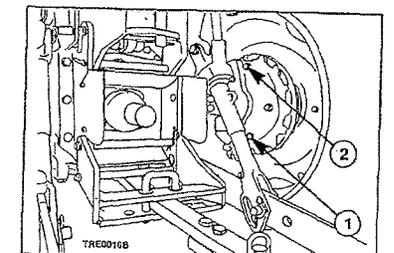
OPERATION 52

FINAL REDUCTION OIL - Fig. 70

Place a container under the final housing and drain oil via hole (1) fig. 70.

When you have drained the oil, replace and tighten the plugs and fill with new oil via fill point (2) fig. 44.

NOTE: For oil quantity, see the lubrication charts on page 4-5.



70

BLEEDING THE FUEL SYSTEM**Bleeding procedure – Figs. 71 and 72**

During long periods when the tractor is not used, when the filter and fuel lines are removed or when there is no fuel in the tractor, air may enter the fuel system.

The presence of air makes it difficult to start the engine and it therefore needs to be bled as follows when the fuel tank is refilled:

Unscrew the bleed plug (1) fig. 71 by approximately two turns.

Actuate lever (1) fig. 72 until fuel without air bubbles spurts from the bleed hole.

Tighten plug (1) fig. 71.

After tightening the bleed plug (1) fig. 71, actuate lever (1) fig. 72 a few times.

Turn the ignition key to position C, as shown in Section 2, fig. 19, page 2-12. As soon as the engine starts, release the key.

NOTE: Your engine is fitted with a rotary injection pump, whose internal components must be protected from rusting if not used for over a month. Therefore, before stopping the tractor, mix **PROT 10 W/M** oil with the fuel in the tank in a proportion of 10% and run the engine for approximately half an hour.

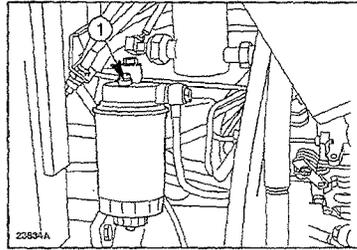
BLEEDING THE HYDRAULIC BRAKE SYSTEM**Bleeding procedure – Figs. 73 to 76**

Whenever work is carried out on the front brake hydraulic system, the air must be bled from the system. Proceed as follows.

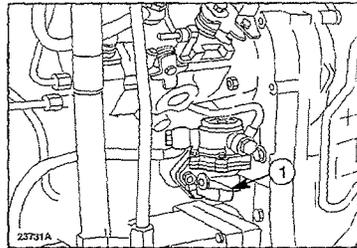
Thoroughly clean the external parts of the unit around the hydraulic fluid tank cap (2) fig. 73 and the bleed screws (1-2) fig. 74.

Make sure that the hydraulic fluid in the tank (1) fig. 73 is maintained up to the full mark both before and during the bleeding operations.

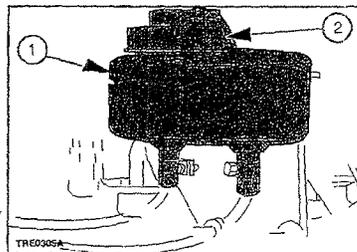
NOTE: Filter all drained oil before reusing.



71



72

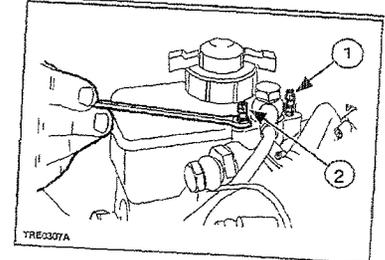


73

Depress the LH brake pedal, **slowly and to the end of its travel**, so that the fluid is placed under pressure.

Keeping the pedal depressed, loosen the bleed screw (1) fig. 74 by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 74 and repeat the above operations until the fluid that comes out is free of air bubbles.

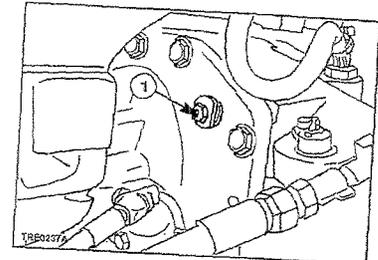


74

Depress the LH brake pedal again to place the circuit under pressure. This occurs when the travel of the pedal returns to normal.

Repeat the above operations for the RH brake pedal by tightening or loosening bleed screw (2) fig. 74.

Depress the LH and RH brake pedal, slowly and to the end of the travel, so that the fluid is placed under pressure.

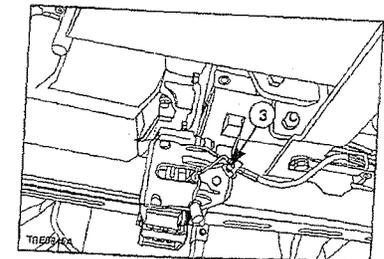


75

Keeping the pedals depressed, loosen the bleed screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) by half a turn and allow the fluid mixed with air bubbles to flow out.

Retighten the screw (1) fig. 75 and (3) fig. 76 (optional for TD 60 and TD 70 models) and repeat the above operations until the fluid that comes out is free of air bubbles.

When the operation has been completed, replenish the fluid in the tank (1, fig. 73).



76

RECOMMENDATIONS FOR BODYWORK MAINTENANCE

Protection against atmospheric agents

Over the years, the Company has introduced a series of measures to protect the tractor from the deterioration and corrosion which can be caused by various external elements, such as those listed below:

- salinity and humidity in the atmosphere;
- atmospheric pollution (industrial areas);
- abrasive action of solid substances;
- using tractor in the presence of aggressive chemical and/or organic substances;
- physical damage such as dents, abrasions or deep scratches.

The technical response to these problems was:

- highly corrosion-resistant zinc plating;
- paint systems and paints which help the tractor resist corrosion and abrasion;
- application of suitable hardened plastic-coatings to points which are particularly exposed to corrosion (edges, projections and sheet-metal welded joints);

Unfortunately, external agents act in various ways depending on environmental conditions and tractor use; if the user takes enough care, however, his tractor can be maintained in substantially better condition.

The following information is provided to help achieve this aim.

BODYWORK AND CAB

Where there are abrasions or deep scratches, which expose the underlying metal, they need to be retouched immediately with genuine products as follows:

- rub down the area thoroughly;

- apply the primer;
- leave to dry and then rub down lightly;
- apply the paint;
- lastly, polish.

The paint can normally be maintained by washing at intervals which vary depending on the conditions of use and the environment. In areas prone to atmospheric pollution and in coastal areas, wash more frequently, whereas if organic or chemical substances are present, wash *immediately* after the tractor is used. Use a low-pressure water spray, sponge down with a solution of 2 to 4% shampoo in water, rinsing the sponge frequently, rinse the tractor thoroughly and dry it, if possible, with an air jet.

Avoid washing the tractor after it has been standing in the sun and when the engine is still hot in order to protect the shine on the paint.

It is good practice to protect the paint by polishing it with specialized products (silicone waxes) from time to time and, when the paint starts to dull, you can use wax polish which has a slight abrasive action.

CAB MAINTENANCE

After carrying out the external maintenance of the cab, proceed as follows:

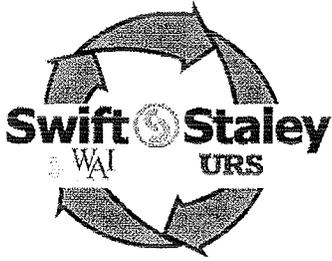
Periodically check that no water remains in areas covered with mats or padding.

Protect the hinges and locks on the doors, and opening windows with lubricants and water-repellents.

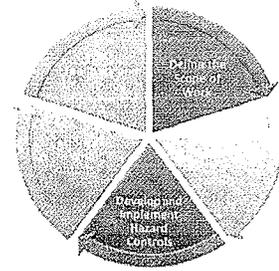
Use suitable detergents or, if necessary, sulphuric ether to clean the windows.

Remove the windscreen wiper blade and sprinkle the rubber with talc.

Leave the door or a window partially open.



SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13



PMV-003	Project: 204071
WO # 8200	PM: 1070

Scope of Work: Level 3 Work Order:
 E303622 formerly ESS131 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC Security vehicle, Ronda Hays, SST (5099)
 - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

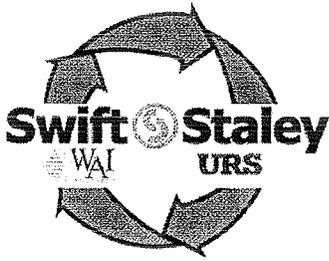
Work Complete:	
Supervisor - Print / Sign	Date

Vehicle PM Checklist

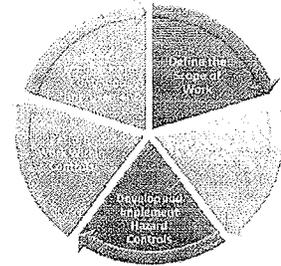
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13



PMV-004		Project: 204071
WO #	7961	PM: 1071

Scope of Work: Level 3 Work Order:
 E303623 formerly ESS132 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid:
 This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC Security Group - Betty Hart 5417
 - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: **C-755 South Parking Lot**

Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign	_____ Date
I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.	
_____ Sign / Date	_____ Sign / Date
_____ Sign / Date	_____ Sign / Date

Task completed & Housekeeping performed by:

_____ Sign / Date	_____ Sign / Date	_____ Sign / Date
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Comments / Feedback: (continue on back as necessary)

Work Complete:	_____ Supervisor - Print / Sign	_____ Date
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Vehicle PM Checklist

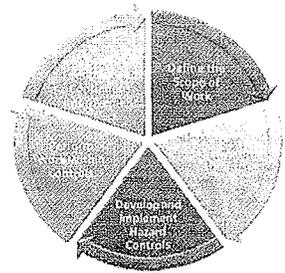
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMV-005		Project: 204071
WO #	8201	PM: 1072

Scope of Work: Level 3 Work Order:
 E303624 formerly ESS133 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC for vehicle Katana Darnell, SST (5072)
 - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve Lubelt, SST (5094 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: **C-755 South Parking Lot**

Pre-Job Briefing / Ready to Start Work:

 Supervisor - Print / Sign _____
 Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

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_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

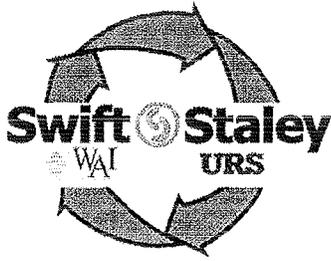
_____	_____
Supervisor - Print / Sign	Date

Vehicle PM Checklist

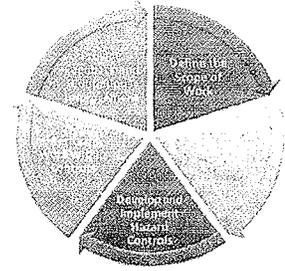
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-006	Project: 204071
WO # 8202	PM: 1073

Scope of Work: Level 3 Work Order:
 E303625 formerly ESS134 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).

- POC for IT vehicle Dustin Taylor, SST 5129
- POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412)

Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign	_____ Date
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I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

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_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

_____ Supervisor - Print / Sign	_____ Date
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Vehicle PM Checklist

Vehicle License Plate number _____

Date _____

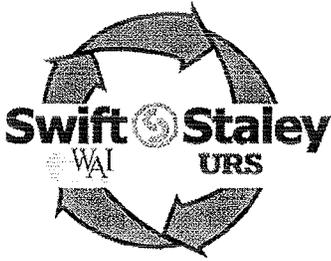
PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				

Vehicle PM Checklist

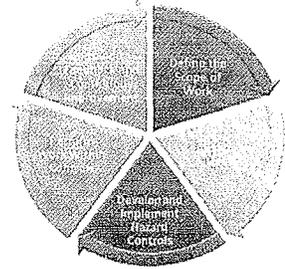
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-008	Project: 204071
WO # 7780	PM: 1075

Scope of Work: Level 3 Work Order:
 E303627 formerly ESS136 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services.
 This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC Harold Coleman, SST (5031)
 - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-564-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

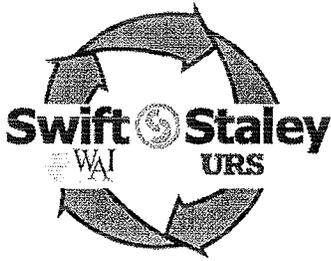
Work Complete:	
_____	_____
Supervisor - Print / Sign	Date

Vehicle PM Checklist

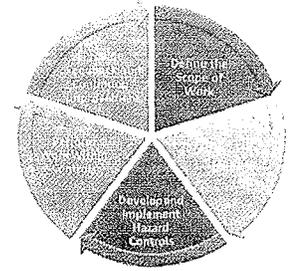
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMRG-047	Project: 204041
WO # 7454	PM: 1170

Scope of Work: CA01303 (SST) - Provide labor and materials to service/repair the JD 5300 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during the mowing season. - POC Steve lubelt 5408/Robert Pickard 5010

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that i feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

_____	_____
Supervisor - Print / Sign	Date

Work Complete:

Supervisor - Print / Sign

Date

Kubota Mowers Preventive Maintenance Service on a 50 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____

Kubota Mowers Preventive Maintenance Service on a 200 Hour Metered Basis

Property Number _____

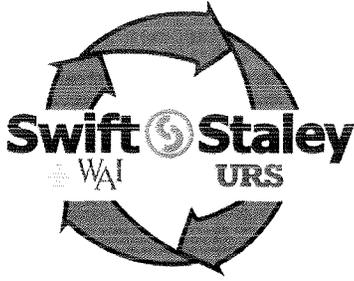
Hours Meter Reading _____

<input type="checkbox"/> each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)
<input type="checkbox"/>	6	Engine oil		◆				40
<input type="checkbox"/>	7	Fan belt					◆	42
<input type="checkbox"/>	8	Brake pedal					◆	41
<input type="checkbox"/>	9	Fuel filter element	◆		◆			41 -check 47 -replace (suggested at 400 hrs)
<input type="checkbox"/>	10	Engine oil filter			◆			43
<input type="checkbox"/>	11	Transmission fluid		◆				43
<input type="checkbox"/>	12	Transmission oil filter			◆			44
<input type="checkbox"/>	13	Transmission strainer			◆			45
<input type="checkbox"/>	14	Rear axle differential case fluid		◆				45
<input type="checkbox"/>	15	Rear axle gear case (RH & LH) fluid		◆				46
<input type="checkbox"/>	16	Radiator hose and clamp	◆		◆			45 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	17	Hydraulic hose	◆		◆			46 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	18	Fuel line	◆		◆			41 -check 47 -replace (suggested every 2 yrs)
<input type="checkbox"/>	19	Intake air line	◆		◆			46 -check 49 -replace (suggested every 2 yrs)

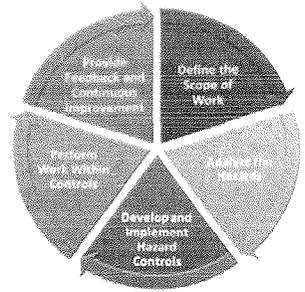
◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-038	Project: 204041
WO # 5615	PM: 1143

Scope of Work: CA02859 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-1) every 2 years - POC Steve Iubelt 564-5412
 Reference SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date
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I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

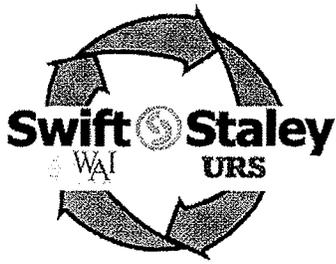
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

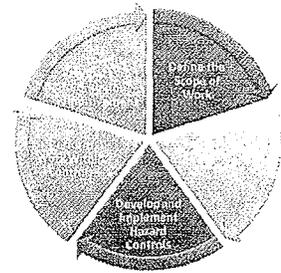
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-006	Project: 204041
WO # 6942	PM: 1052

Scope of Work: Level 3 Work Order:
 CA02860 (SST) - Provide labor and material to service Kubota mower (KM-2) as needed. During mowing season, mower will be inspected / serviced weekly.
 =>Reference attached checklists for services based on metered hours.<=
 - POC Chris Moore, SST (5408 or 270-519-1085)
 - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
 Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date	
I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

Supervisor - Print / Sign

Date

Kubota Mowers Preventive Maintenance Service on a 50 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____

Kubota Mowers Preventive Maintenance Service on a 200 Hour Metered Basis

Property Number _____

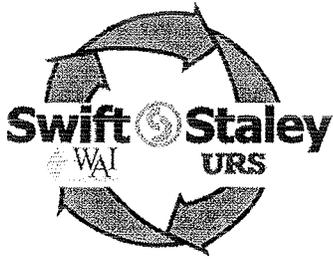
Hours Meter Reading _____

<input type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 - clean 47 - replace (suggested every 1 yr)
<input type="checkbox"/>	6	Engine oil		◆				40
<input type="checkbox"/>	7	Fan belt					◆	42
<input type="checkbox"/>	8	Brake pedal					◆	41
<input type="checkbox"/>	9	Fuel filter element	◆		◆			41 - check 47 - replace (suggested at 400 hrs)
<input type="checkbox"/>	10	Engine oil filter			◆			43
<input type="checkbox"/>	11	Transmission fluid		◆				43
<input type="checkbox"/>	12	Transmission oil filter			◆			44
<input type="checkbox"/>	13	Transmission strainer			◆			45
<input type="checkbox"/>	14	Rear axle differential case fluid		◆				45
<input type="checkbox"/>	15	Rear axle gear case (RH & LH) fluid		◆				46
<input type="checkbox"/>	16	Radiator hose and clamp	◆		◆			45 - check 49 - replace (suggested every 2 yrs)
<input type="checkbox"/>	17	Hydraulic hose	◆		◆			46 - check 49 - replace (suggested every 2 yrs)
<input type="checkbox"/>	18	Fuel line	◆		◆			41 - check 47 - replace (suggested every 2 yrs)
<input type="checkbox"/>	19	Intake air line	◆		◆			46 - check 49 - replace (suggested every 2 yrs)

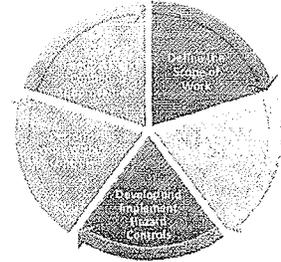
◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMRG-039	Project: 204041
WO # 5616	PM: 1144

Scope of Work: CA02860 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-2) every 2 years - POC Steve lubelt 564-5412
Reference SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

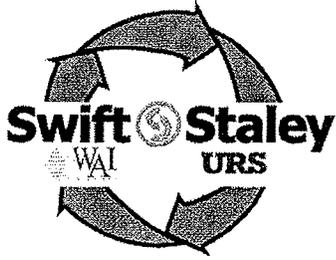
I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

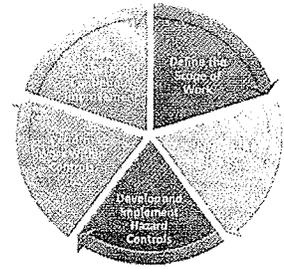
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:	
_____	_____
Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-012	Project: 204071
WO # 8197	PM: 1079

Scope of Work: Level 3 Work Order:
 E110859 (SST) - PM - Preventive Maintenance on 1995 Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - POC IT/Kevil vehicle, Dustin Taylor, SST (5129)
 - POC Steve Cavanaugh, SST (5408 or 270-331-7814)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

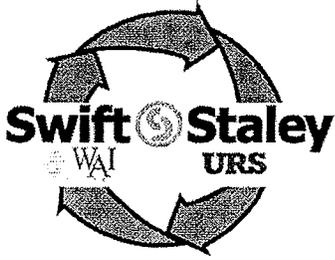
Work Complete:	
_____	_____
Supervisor - Print / Sign	Date

Vehicle PM Checklist

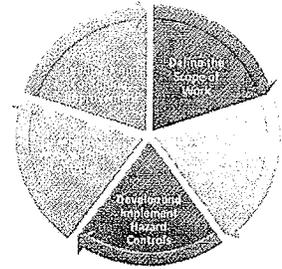
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-014	Project: 204071
WO # 8205	PM: 1081

Scope of Work: Level 3 Work Order:
 E110936 (SST) - PM - Preventive Maintenance on 1996 Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).

- Janitors vehicle
- POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve Iubelt, SST (5094 or 270-564-5412)

Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:				
<table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">_____</td> <td style="width: 50%; text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">Supervisor - Print / Sign</td> <td style="text-align: center;">Date</td> </tr> </table>	_____	_____	Supervisor - Print / Sign	Date
_____	_____			
Supervisor - Print / Sign	Date			

Vehicle PM Checklist

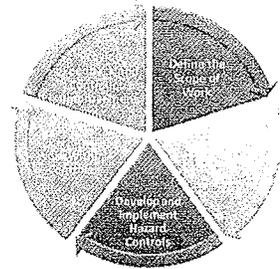
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-007	Project: 204041
WO # 6943	PM: 1053

Scope of Work: Level 3 Work Order:
 CA03199 (SST) - Provide labor and material to service Kubota mower (KM-3) as needed. During mowing season, mower will be inspected / serviced weekly.
 =>Reference attached checklists for services based on metered hours.<=
 - POC Chris Moore, SST (5408 or 270-519-1085)
 - POC Steve Iubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
 Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

 Supervisor - Print / Sign _____ Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

Supervisor - Print / Sign

Date

Kubota Mowers Preventive Maintenance Service on a 50 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input type="checkbox"/> each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 - clean 47 - replace (suggested every 1 yr)

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____

Kubota Mowers Preventive Maintenance Service on a 200 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input type="checkbox"/> Check on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)
<input type="checkbox"/>	6	Engine oil		◆				40
<input type="checkbox"/>	7	Fan belt					◆	42
<input type="checkbox"/>	8	Brake pedal					◆	41
<input type="checkbox"/>	9	Fuel filter element	◆		◆			41 -check 47 -replace (suggested at 400 hrs)
<input type="checkbox"/>	10	Engine oil filter			◆			43
<input type="checkbox"/>	11	Transmission fluid		◆				43
<input type="checkbox"/>	12	Transmission oil filter			◆			44
<input type="checkbox"/>	13	Transmission strainer			◆			45
<input type="checkbox"/>	14	Rear axle differential case fluid		◆				45
<input type="checkbox"/>	15	Rear axle gear case (RH & LH) fluid		◆				46
<input type="checkbox"/>	16	Radiator hose and clamp	◆		◆			45 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	17	Hydraulic hose	◆		◆			46 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	18	Fuel line	◆		◆			41 -check 47 -replace (suggested every 2 yrs)
<input type="checkbox"/>	19	Intake air line	◆		◆			46 -check 49 -replace (suggested every 2 yrs)

◆ indicates suggested lubrication and/or maintenance activity

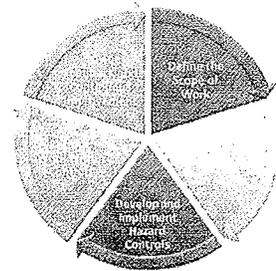
Additional Comments: _____

Mechanic Signature _____

Date _____



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-036	Project: 204041
WO # 6951	PM: 1141

Scope of Work: Level 3 Work Order:
 CA03199 (SST) -Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-3) on a yearly basis.
 - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

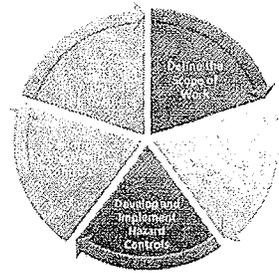
Comments / Feedback: (continue on back as necessary)

Work Complete:

_____	_____
Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-025	Project: 204041
WO # 7453	PM: 1098

Scope of Work: CA01302 (SST) - Provide labor and materials to service/repair the JD 955 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during the mowing season. - POC Steve lubelt 5408/Robert Pickard 5010

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date

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Sign / Date	Sign / Date	Sign / Date

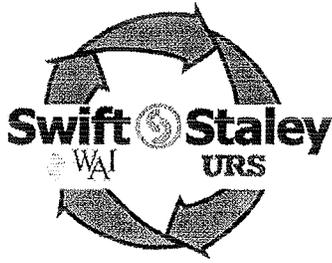
Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

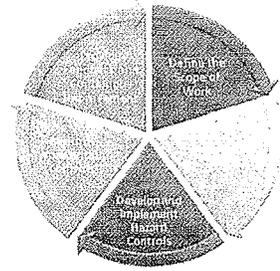
Comments / Feedback: (continue on back as necessary)

Work Complete:

Supervisor - Print / Sign	Date



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-013	Project: 204071
WO # 8203	PM: 1080

Scope of Work: Level 3 Work Order:
 E110923 (SST) - PM - Preventive Maintenance on 1995 GMC Utility Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).
 - Janitors vehicle
 - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign	_____ Date
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I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

_____	_____	_____
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

_____ Supervisor - Print / Sign	_____ Date
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Vehicle PM Checklist

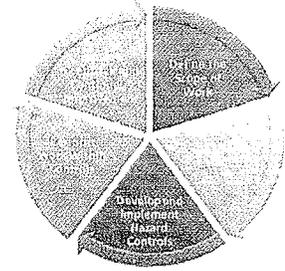
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMV-010	Project: 204071
WO # 8195	PM: 1077

Scope of Work: Level 3 Work Order:
 E303629 formerly ESS138 (SST) - PM - Preventive Maintenance on 2010 Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).

- Maintenance Mechanics vehicle
- POC Steve Cavanaugh, SST (5408 or 270-331-7814)

Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

Supervisor - Print / Sign	Date

Vehicle PM Checklist

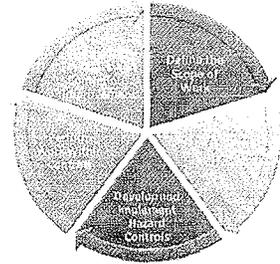
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-026	Project: 204041
WO # 8164	PM: 1099

Scope of Work: Level 3 Work Order:
 CA03397 Polaris (SST) - Provide labor and materials to perform inspection, repairs, and preventive maintenance services on the Polaris on a quarterly basis. Also, check batteries and battery terminals for corrosion.
 Use attached checklist [srl 8/29/12]
 - POC Steve Cavanaugh, SST (5408 or 270-331-7813)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign	_____ Date
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Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete: _____ Supervisor - Print / Sign	_____ Date
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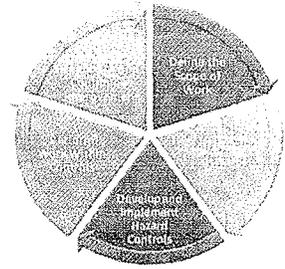
Polaris Utility Vehicle Preventive Maintenance Service on a Quarterly Basis

each on completion

<input type="checkbox"/>	Front Axle	Check for damage to axle and loose or missing
<input type="checkbox"/>	Front Shock Absorbers	Check for oil leakage and loose fasteners
<input type="checkbox"/>	Front Springs	Check for loose hardware & cracks at attachments
<input type="checkbox"/>	Front Wheel Alignment	Check for unusual tire wear, align if required
<input type="checkbox"/>	Park Brake	Check for bent/binding linkage rod Check for damage or wear to latch arm or catch bracket Lubricate as required, use light oil. DO NOT LUBRICATE CABLES OR BRAKE LATCH
<input type="checkbox"/>	Rear Shock Absorbers	Check for oil leakage and loose mounting hardware
<input type="checkbox"/>	Engine Electrical System	Check coil/spark plug wires for cracks/loose connections
<input type="checkbox"/>	Hardware and Fasteners	Check for loose or missing hardware and components Tighten or replace missing hardware
<input type="checkbox"/>	Battery	Clean battery & terminals
<input type="checkbox"/>	Direction Selector	Check for wear and smooth movement (lubricate shaft with light oil if required)
<input type="checkbox"/>	King Pins	Check for wear and smooth movement (lubricate shaft with light oil if required) Lubricate, use wheel bearing grease
<input type="checkbox"/>	Steering Assembly	Lubricate unit and idler arm, use wheel bearing grease
<input type="checkbox"/>	Rack End Ball Joint	Lubricate, use wheel bearing grease
<input type="checkbox"/>	Rear Axle	Check for unusual noise and loose or missing mounting hardware Check lubricant, add lubricant (SAE 30 oil) as required
<input type="checkbox"/>	Front Wheel Bearings	Check and adjust as required
<input type="checkbox"/>	Service Brakes	Clean and adjust Check brake shoe linings



**SWIFT & STALEY TEAM
WORK CONTROL DOCUMENT v13**



PMV-002	Project: 204071
WO # 8384	PM: 1068

Scope of Work: Level 3 Work Order:
 E303628 (SST) (formerly and under asset ESS137) - USEC Fire Services will provide labor and materials to complete a monthly inspection on the external fuel tank and fire extinguisher on vehicle E303628, 2009 Chevy Silverado 4x4. The inspection should be completed by the 15th of every month
 - POC Aaron Nace, SST (5352 or 270-331-7813)
 NOTE: Needs to be completed on or before the 12th of each month per B. Hamilton 9/12/14 (srl 9/30/14)

Emergency Assembly Point(s) for this activity:	C-755 South Parking Lot
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Pre-Job Briefing / Ready to Start Work:

_____	_____
Supervisor - Print / Sign	Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.		
_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

_____	_____	_____
Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

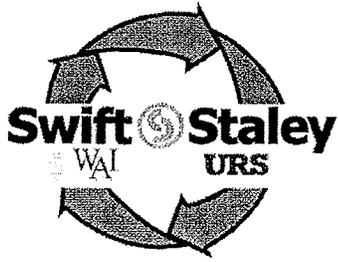
Work Complete:	
_____	_____
Supervisor - Print / Sign	Date

Vehicle PM Checklist

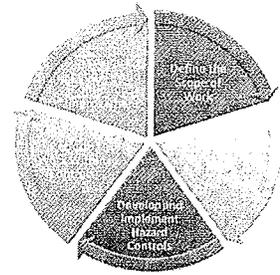
Vehicle License Plate number _____

Date _____

PM Services	Satisfactory	Unsatisfactory	Not Applicable	Actions taken if any
Replace Engine Oil				
Replace Oil Filter				
Lubricate Chassis				
Trans/Transaxle Fluid				
Rear Differential Fluid				
Power Steering Fluid				
Coolant Reservoir				
Radiator Hoses				
Cooling System Clamps				
Flush Coolant System				
Cabin Air Filter				
Air Filter				
Drive Belt				
Wiper Blade(s)				
Tire Pressure				
Windshield Washer Fluid				
Front Differential Fluid				
Transfer Case Fluid				
Fuel Filter				
Light Inspection				
Wash Front Exterior Glass				
Spark Plugs				
Disc Brake System				
Lubricate Caliper Slide Rails				
Drum Brake System				
Drum Brake Hoses & Lines				
Brake Fluid Level				



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-008	Project: 204041
WO # 6944	PM: 1054

Scope of Work: Level 3 Work Order:
 CA03356 (SST) - Provide labor and material to service Kubota mower (KM-4) as needed. During mowing season, mower will be inspected / serviced weekly.
 =>Reference attached checklists for services based on metered hours.<=
 - POC Chris Moore, SST (5408 or 270-519-1085)
 - POC Steve Iubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)
 Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
 Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign _____ Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

Supervisor - Print / Sign

Date

Kubota Mowers Preventive Maintenance Service on a 50 Hour Metered Basis

Property Number _____

Hours Meter Reading _____

<input checked="" type="checkbox"/> each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)

◆ indicates suggested lubrication and/or maintenance activity

Additional Comments:

Mechanic Signature _____ Date _____

Kubota Mowers Preventive Maintenance Service on a 200 Hour Metered Basis

Property Number _____

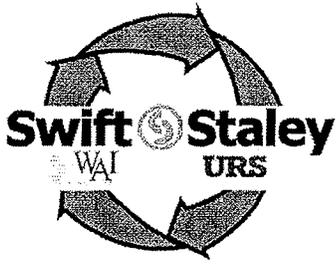
Hours Meter Reading _____

<input type="checkbox"/> Each on completion	Operation Number	Maintenance Operations	Functional Check	Top Off or Change as necessary	Clean or Replace as necessary	Greasing/Oiling	Adjust	Page in Manual
<input type="checkbox"/>	1	Safety Device	◆					35
<input type="checkbox"/>	2	Greasing				◆		36
<input type="checkbox"/>	3	Oiling				◆		38
<input type="checkbox"/>	4	Battery condition	◆					38
<input type="checkbox"/>	5	Air cleaner element			◆			36 -clean 47 -replace (suggested every 1 yr)
<input type="checkbox"/>	6	Engine oil		◆				40
<input type="checkbox"/>	7	Fan belt					◆	42
<input type="checkbox"/>	8	Brake pedal					◆	41
<input type="checkbox"/>	9	Fuel filter element	◆		◆			41 -check 47 -replace (suggested at 400 hrs)
<input type="checkbox"/>	10	Engine oil filter			◆			43
<input type="checkbox"/>	11	Transmission fluid		◆				43
<input type="checkbox"/>	12	Transmission oil filter			◆			44
<input type="checkbox"/>	13	Transmission strainer			◆			45
<input type="checkbox"/>	14	Rear axle differential case fluid		◆				45
<input type="checkbox"/>	15	Rear axle gear case (RH & LH) fluid		◆				46
<input type="checkbox"/>	16	Radiator hose and clamp	◆		◆			45 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	17	Hydraulic hose	◆		◆			46 -check 49 -replace (suggested every 2 yrs)
<input type="checkbox"/>	18	Fuel line	◆		◆			41 -check 47 -replace (suggested every 2 yrs)
<input type="checkbox"/>	19	Intake air line	◆		◆			46 -check 49 -replace (suggested every 2 yrs)

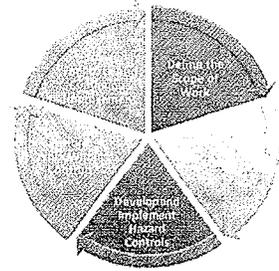
◆ indicates suggested lubrication and/or maintenance activity

Additional Comments: _____

Mechanic Signature _____ Date _____



SWIFT & STALEY TEAM WORK CONTROL DOCUMENT v13



PMRG-037	Project: 204041
WO # 6952	PM: 1142

Scope of Work: CA03356 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-4) on a yearly basis.

- POC Steve Iubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)

Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Emergency Assembly Point(s) for this activity: C-755 South Parking Lot

Pre-Job Briefing / Ready to Start Work:

_____ Supervisor - Print / Sign _____ Date

I understand that I have the right and obligation to report unsafe conditions and to interrupt / stop work without fear of reprisal. I understand that I will not be asked to complete a task that I feel is unsafe, that may endanger the environment, or that will compromise Security or Quality. I am ready to start work on the activity.

Sign / Date	Sign / Date	Sign / Date

Task completed & Housekeeping performed by:

Sign / Date	Sign / Date	Sign / Date

Comments / Feedback: (continue on back as necessary)

Work Complete:

_____ Supervisor - Print / Sign _____ Date

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
E303611	Fire truck (1993 CYCLONE TC 1500)		
No PM have been entered at this time			
E303610	AMBULANCE (2000 FL60)		
No PM have been entered at this time			
CA02302	TRACTOR/MOWER (Mo-Trim) [MXU110]		
PMRG-012	Equipment Maintenance - Preventive	Weekly during mowing season	<p>Level 3 Work Order: CA02302 (SST) - Provide labor and materials to perform preventive maintenance (PM) services and repairs on CASE III MXU110 MoTrim tractor and side boom mowing assembly as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season: =>PM to include inspection of hydraulic hoses and fittings for leaks or damage.<=</p> <p>**Replace as necessary** - POC Steve lubelt, SST (5408 or 270-519-1085) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA03353	BACKHOE LOADER (CATERPILLAR 420E)		
PMRG-002	Equipment Maintenance - Preventive	Quarterly	<p>Level 3 Work Order: CA03353 (SST) - Provide labor and materials to perform activities on the CAT Backhoe: => Perform preventive maintenance (PM) services on CAT Backhoe on a quarterly basis. => Also, perform inspection and repair/replace any leaking hydraulic hoses or fittings. - POC Steve lubelt, SST (5408 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA02847	GRADER (JOHN DEERE 770C)		
PMRG-004	Equipment Maintenance - Preventive	Monthly	<p>CA02847 (SST) - Provide labor and material to perform the following activities on the JD Grader 770C: => Inspect and perform preventive maintenance on JD Grader 770C on a monthly basis; and => Also, perform inspections and repair/replace any leaking hydraulic hoses ore fittings. - POC Steve lubelt, SST (5408 or 564-5412) or Robert Pickard, SST (5010 or 519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
E112427	BUS (DOE) [FORD E-350]		
PMV-001	Vehicle Maintenance - Preventive	Weekly	Perform a weekly inspection on the DOE bus (E112427) every Friday.
PMV-015	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E112427 (DOE) - PM - Preventive Maintenance on 1992 Ford Bus: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC Kim Crenshaw Knerr, DOE (6822) - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
E201626	2000 DUMP TRUCK (NAVISTAR)		
PMV-016	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E201626 (SST) - PM - Preventive Maintenance on 2000 Navistar Dump Truck: This vehicle will require PM services. => This should include oil change, check tire pressure, and replace wiper blades (if needed). => Also, perform inspection and repair/replace any leaking hydraulic hoses or fittings. This is part of the Laborers fleet - POC Steve lubelt, SST (5408 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA02301	VEHICLE LIFT (Rotary SM300-200)		

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
PMF-009	Equipment Maintenance - Preventive	Annual (vendor supplies checklists)	Level 3 Work Order: CA02301 (SST) - Provide labor and materials to have John Wannemuehler (cell of 812-568-5847) of Wannemuehler Oil (812-838-2667) perform the annual inspection of the Rotary Lift located at C-755-A. See attachments for manuals, lessons learned, and ES&H vendor flowdown - POC Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Change in scope 4/26/13 RH: Ron Knowles with Wannemuehler Oil can perform annual Rotary Lift Inspections.
CA02267 Tractor 4x4 (T03) [CASE JX 75]			
PMRG-020	Equipment Maintenance - Preventive	weekly during mowing season	Level 3 Work Order: CA02267 (SST) - Provide labor and material to service/repair Case Tractor (T03) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-020	Equipment Maintenance - Preventive	metered PM every 300 hours of operation checklist & diagrams attached	Level 3 Work Order: CA02267 (SST) - Provide labor and materials to PM tractor 3 (T03) as described in the attached owners' manual PM section for the 300 hour meter reading. - POC Steve lubelt, SST (5408 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Changed PTO shaft, coupler, and lever at 2445 hrs. [srl 10/26/12]
CA02289 TRACTOR (T01) [CASE JX 75]			
PMRG-016	Equipment Maintenance - Preventive	weekly during mowing season	Level 3 Work Order: CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season.
PMRGM-016	Equipment Maintenance - Preventive	metered PM every 300 hours of operation checklist & diagrams attached	Level 3 Work Order: CA02289 (SST) - Provide labor and material to service/repair Case Tractor (T01) as described in the attached owners' manual PM section for the 300 hour meter reading. - POC Steve lubelt, SST (5408 or 270-564-5412) Reference SST-AHA-003, General Maintenance Mechanic Services & SST-AHA-004, General Garage Services
CA02290 TRACTOR (T02) [CASE JX 75]			
PMRG-019	Equipment Maintenance - Preventive	weekly during mowing season	Level 3 Work Order: CA02290 (SST) - Provide labor and material to PM Case Tractor (T02) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season. - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) - POC Robert Pickard, SST (5010 or 270-519-0076)
PMRGM-019	Equipment Maintenance - Preventive	metered PM every 300 hours of operation checklist & diagrams attached	CA02290 (SST) - Provide labor and materials to PM tractor 2 (T02) as described in the attached owners' manual PM section. Reference SST-AHA-003, General Maintenance Mechanic Services & SST-AHA-004, General Garage Services
E201627 WATER TRUCK [FREIGHTLINER FL70]			
PMV-017	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	Level 3 Work Order: E201627 (SST) - PM - Preventive Maintenance on 2000 Freightliner Water Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC Laborers' vehicle - POC Steve Cavanaugh, SST (5408 or 270-331-7814) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
CA02266 Tractor (T04) [CASE JX 75]			
PMRG-021	Equipment Maintenance - Preventive	weekly during mowing season	Level 3 Work Order: CA02266 (SST) - Provide labor and material to service/repair Case Tractor (T04) as needed during mowing season. Also, the Tractor will be inspected weekly during the mowing season. - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) - POC Robert Pickard, SST (5010 or 270-519-0076)
PMRGM-021	Equipment Maintenance - Preventive	metered PM every 300 hours of operation checklist & diagrams attached	CA02266 (SST) - Provide labor and materials to PM tractor 4 as described in the attached owners' manual PM section.

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
CA02268	Tractor (T05) [CASE JX 75]		
PMRG-009	Equipment Maintenance - Preventive	weekly during mowing season	<p>Level 3 Work Order: CA02268 (SST) - Provide labor and material to service Case Tractor (T05) as needed. During mowing season, tractor will be inspected / serviced weekly. >>>See PMRGM-009 for Metered Hours PM<<< - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services</p>
PMRGM-009	Equipment Maintenance - Preventive	metered PM every 300 hours of operation checklist & diagrams attached	<p>Level 3 Work Order: CA02268 (SST) - Provide labor and material to service/repair Case Tractor (T05) as described in the attached owners' manual PM section for the 300 hour meter reading. - POC Steve lubelt, SST (5408 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
0ESS131	ESCAPE 2009 (FORD HYBRID)		
PMV-003	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303622 formerly ESS131 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC Security vehicle, Ronda Hays, SST (5099) - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
0ESS132	ESCAPE 2009 (FORD HYBRID)		
PMV-004	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303623 formerly ESS132 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC Security Group - Betty Hart 5417 - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
0ESS133	ESCAPE 2009 (FORD HYBRID)		
PMV-005	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303624 formerly ESS133 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC for vehicle Katana Darnell, SST (5072) - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
0ESS134	ESCAPE 2009 (FORD HYBRID)		
PMV-006	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303625 formerly ESS134 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC for IT vehicle Dustin Taylor, SST 5129 - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
0ESS135	ESCAPE 2009 (FORD HYBRID)		

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
PMV-007	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	Level 3 Work Order: E303626 formerly ESS135 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC C-755-T28 - Anthony Gilbert 5043 - POC Steve lubelt, SST (5408 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
QESS136 ESCAPE 2009 (FORD HYBRID)			
PMV-008	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	Level 3 Work Order: E303627 formerly ESS136 (SST) - PM - Preventive Maintenance on 2009 Ford Escape Hybrid: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC Harold Coleman, SST (5031) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-564-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
CA01303 FARM TRACTOR (JOHN DEERE 5300)			
PMRG-047	Equipment Maintenance - Preventive	weekly during mowing season	CA01303 (SST) - Provide labor and materials to service/repair the JD 5300 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during the mowing season. - POC Steve lubelt 5408/Robert Pickard 5010
CA02859 TRACTOR - Kubota Mower (KM-1) [F3680]			
PMRG-005	Equipment Maintenance - Preventive	metered PM every 50 & 200 hours of operation checklists attached	Level 3 Work Order: CA02859 (SST) - Provide labor and material to service Kubota mower (KM-1) as needed. During mowing season, mower will be inspected / serviced weekly. =>Reference attached checklists for services based on metered hours.<= - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
PMRG-034	Equipment Maintenance - Preventive	Annually	Level 3 Work Order: CA02859 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-1) on a yearly basis. - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRG-038	Equipment Maintenance - Preventive	Every 2 years	CA02859 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-1) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA02860 TRACTOR - Kubota Mower (KM-2) [F3680]			
PMRG-006	Equipment Maintenance - Preventive	metered PM every 50 & 200 hours of operation checklists attached	Level 3 Work Order: CA02860 (SST) - Provide labor and material to service Kubota mower (KM-2) as needed. During mowing season, mower will be inspected / serviced weekly. =>Reference attached checklists for services based on metered hours.<= - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
PMRG-035	Equipment Maintenance - Preventive	Annually	Level 3 Work Order: CA02860 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-2) on a yearly basis. - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
PMRG-039	Equipment Maintenance - Preventive	Every 2 years	CA02860 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-2) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
E110859 1995 DODGE VAN [3500 VAN WAGON]			
PMV-012	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	Level 3 Work Order: E110859 (SST) - PM - Preventive Maintenance on 1995 Dodge Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - POC IT/Kevil vehicle, Dustin Taylor, SST (5129) - POC Steve Cavanaugh, SST (5408 or 270-331-7814) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
E110936 TRUCK, VAN (Less than 8,500 GVW) [CHEVROLET ASTRO VAN]			
PMV-014	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	Level 3 Work Order: E110936 (SST) - PM - Preventive Maintenance on 1996 Chevy Van: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed). - Janitors vehicle - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
CA03199 MOWER Kubota (KM-3) [F3680]			
PMRG-007	Equipment Maintenance - Preventive	metered PM every 50 & 200 hours of operation checklists attached	Level 3 Work Order: CA03199 (SST) - Provide labor and material to service Kubota mower (KM-3) as needed. During mowing season, mower will be inspected / serviced weekly. =>Reference attached checklists for services based on metered hours.<= - POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services
PMRG-036	Equipment Maintenance - Preventive	Annually	Level 3 Work Order: CA03199 (SST) -Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-3) on a yearly basis. - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRG-040	Equipment Maintenance - Preventive	Every 2 years	CA03199 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-3) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA01302 TRACTOR MOWER (JOHN DEERE 955)			
PMRG-025	Equipment Maintenance - Preventive	weekly during the mowing season	CA01302 (SST) - Provide labor and materials to service/repair the JD 955 as needed during mowing season. In addition, check fuel filter and bracket for tightness and replace as necessary on a monthly basis. Also, the mower will be inspected weekly during the mowing season. - POC Steve lubelt 5408/Robert Pickard 5010

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
E110923 TRUCK, PICK-UP (GMC 2500SL)			
PMV-013	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E110923 (SST) - PM - Preventive Maintenance on 1995 GMC Utility Truck: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).</p> <p>- Janitors vehicle - POC Steve Cavanaugh, SST (5408 or 270-331-7814) or Steve lubelt, SST (5094 or 270-564-5412)</p> <p>Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
OESS138 TRUCK (FORD F-150)			
PMV-010	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303629 formerly ESS138 (SST) - PM - Preventive Maintenance on 2010 Ford F-150: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).</p> <p>- Maintenance Mechanics vehicle - POC Steve Cavanaugh, SST (5408 or 270-331-7814)</p> <p>Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA03397 UTILITY VEHICLE (POLARIS RANGER EV LSV)			
PMRG-026	Equipment Maintenance - Preventive	Quarterly (checklist attached)	<p>Level 3 Work Order: CA03397 Polaris (SST) - Provide labor and materials to perform inspection, repairs, and preventive maintenance services on the Polaris on a quarterly basis. Also, check batteries and battery terminals for corrosion. Use attached checklist [srl 8/29/12]</p> <p>- POC Steve Cavanaugh, SST (5408 or 270-331-7813)</p> <p>Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA01437 RECYCLE TRAILER (PROTAINER PRT 1-16-4)			
No PM have been entered at this time			
OESS137 BLUE CHEVY SILVERADO FLEX FUEL - 2009 (CHEVROLET 1500 4X4)			
PMV-002	Vehicle Maintenance - Preventive	Monthly	<p>Level 3 Work Order: E303628 (SST) (formerly and under asset ESS137) - USEC Fire Services will provide labor and materials to complete a monthly inspection on the external fuel tank and fire extinguisher on vehicle E303628, 2009 Chevy Silverado 4x4. The inspection should be completed by the 15th of every month</p> <p>- POC Aaron Nace, SST (5352 or 270-331-7813)</p> <p>NOTE: Needs to be completed on or before the 12th of each month per B. Hamilton 9/12/14 (srl 9/30/14)</p>
PMV-009	Vehicle Maintenance - Preventive	every 6 months (checklist attached)	<p>Level 3 Work Order: E303628 formerly ESS137 (SST) - PM - Preventive Maintenance on 2009 Chevy Silverado 4x4: This vehicle will require PM services. This should include oil change, tire pressure and fluid check, rotate and balance tires (if needed), and replace wiper blades (if needed).</p> <p>- POC Roads & Grounds vehicle - Chris Moore, SST (5408 or 270-519-1085) - POC Steve Cavanaugh, SST (5408 or 270-331-7814)</p> <p>Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services</p>
CA03356 MOWER Kubota (KM-4) [F3680]			
PMRG-008	Equipment Maintenance - Preventive	metered PM every 50 & 200 hours of operation checklists attached	<p>Level 3 Work Order: CA03356 (SST) - Provide labor and material to service Kubota mower (KM-4) as needed. During mowing season, mower will be inspected / serviced weekly. =>Reference attached checklists for services based on metered hours.<=</p> <p>- POC Chris Moore, SST (5408 or 270-519-1085) - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076)</p> <p>Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services Reference the GENERAL MAINTENANCE MECH work package and SST-AHA-003, General Maintenance Mechanic Services</p>

Preventive Maintenance Number	Work Order Type	Frequency & Attachment information	Long Description of Work
PMRG-037	Equipment Maintenance - Preventive	Annually	CA03356 (SST) - Provide labor and material to inspect and replace the power steering hoses on the Kubota mower (KM-4) on a yearly basis. - POC Steve lubelt, SST (5408 or 270-564-5412) or Robert Pickard, SST (5010 or 270-519-0076) Reference the GENERAL GARAGE MECHANIC work package and SST-AHA-004, General Garage Services
PMRG-041	Equipment Maintenance - Preventive	Every 2 years	CA03356 (SST) - Provide labor and material to inspect and replace all other hydraulic hoses (excluding power steering hoses) on the Kubota mower (KM-4) every 2 years - POC Steve lubelt 564-5412 Reference SST-AHA-004, General Garage Services
CA04610	UTILITY GATOR [JOHN DEERE HPX (4X4)]		
Nothing, received gator on 7/22/14			
CA10020	SKID STEER (KUBOTA SLV90-2)		
Nothing, received skid steer on 10/14/14			