

STX275, STX325, STX375, STX425, STX450 Steiger Tractors

P.I.N. JEE0102001 and After

Service Manual

Book 1 of 12
General
Engine

Rac 6-14470

CASE *iii*

Service Manual Number 6-14440

Book 1 - Publication 6-14470
General
Engine

Book 2- Publication 6-14480
Electrical

Book 3- Publication 6-14490
Steering

Book 4- Publication 6-14500
Power Train

Books 5- Publication 6-14510
Power Train (Continued)

Book 6- Publication 6-14520
Power Train (Continued)
Brakes

Book 7- Publication 6-14530
Hydraulics

Book 8 - Publication 6-14540
Chassis

Book 9 - Publication 6-14550
Chassis (Continued)

Book 10 - Publication 6-14560
Controller Systems

Book 11 - Publication 6-14570
Controller Systems (Continued)

Book 12- Publication 6-14580
Controller Systems (Continued)

You can order Service Manual Books separately (see publication numbers above) or you can order a complete STX Steiger Service Manual for P.I.N. JEE0102001 and After (Publication Number 6-14440).

Section 1001

SAFETY

<https://www.ebooklibonline.com>

Hello dear friend!


Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

SAFETY

 **WARNING:** THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.**

M171B


To prevent injury always follow the Warning, Caution and Danger notes in this section and throughout the manual.

Put the “Do Not Operate” tag shown below on the key for the key switch when keys are removed for servicing or repairing the machine. Tags are available from your service parts supplier.


Before servicing a machine, park the machine on hard level ground. Turn off the engine, apply the parking brake and remove the key from the key switch. Put blocks in front of and behind either the front or rear wheels.

 <p>DO NOT OPERATE</p> <p>Reason _____</p> <p>_____</p> <p>_____</p> <p>Signed by _____</p>	 <p>DO NOT REMOVE THIS TAB!</p> <p>See Other Side</p> <p>Case Part No. _____</p> <p>Printed in U.S.A.</p>
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MS99B001

 **WARNING:** Read the operators manual to familiarize yourself with the correct control functions.


M489

 **WARNING:** Operate the machine and equipment controls from the seat position only. Any other method could result in serious injury.


M490

 **WARNING:** This is one man machine, no riders allowed.


M491

 **WARNING:** Before starting engine study Operators Manual safety messages. Read all safety signs on machine. Clear the area of other persons. Learn and practice safe use of controls before operating. It is your responsibility to understand and follow manufacturers instructions on machine operation, service, and to observe pertinent laws and regulations. Operator and Service Manuals may be obtained from your equipment dealer.


M103A

 **WARNING:** If you wear clothing that is too loose or do not use the correct safety equipment for your job, you can be injured. Always wear clothing that will not catch on objects. Extra safety equipment that can be required includes hard hat, safety shoes, ear protection, eye or face protection, heavy gloves and reflector clothing.


M492

 **WARNING:** When working in the area of the fan belt with the engine running, avoid loose clothing if possible, and use extreme caution.


M493

 **WARNING:** When doing checks and tests on the equipment hydraulics, follow the procedures as they are written. DO NOT change the procedure.

M494

 **WARNING:** When putting the hydraulic cylinders on this machine through the necessary cycles to check operation or to remove air from a circuit, make sure all people are out of the way.

M495

 **WARNING:** Always wear heat protective gloves to prevent burning your hands when handling heated parts.

SM121A



WARNING: Lower all attachments to the ground or use stands to safely support the attachments before you do any maintenance or service.

M496



WARNING: Hydraulic oil or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury.

To Prevent Personal Injury:

Relieve all pressure, before disconnecting fluid lines. Before applying pressure, make sure all connections are tight and components are in good condition.

Never use your hand to check for suspected leaks under pressure.

Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately.

SM171A



WARNING: When removing hardened pins such as a pivot pin, or a hardened shaft, use a soft head (brass or bronze) hammer or use a driver made from brass or bronze and a steel head hammer.

M497



WARNING: When using a hammer to remove and install pivot pins or separate parts using compressed air or using a grinder, wear eye protection that completely encloses the eyes (approved goggles or other approved eye protectors).

M498



WARNING: Use suitable floor (service) jacks or chain hoist to raise wheels or tracks off the floor. Always block machine in place with suitable safety stands

M499



WARNING: When servicing or repairing the machine. Keep the shop floor and operators compartment and steps free of oil, water, grease, tools, etc. Use an oil absorbing material and or shop cloths as required. Use safe practices at all times.

M500



WARNING: Some components of this machine are very heavy. Use suitable lifting equipment or additional help as instructed in the Service Manual.

M501



WARNING: Engine exhaust fumes can cause death. If it is necessary to start the engine in a closed place, remove the exhaust fumes from the area with an exhaust pipe extension. Open the door and get outside air into the area.

M502



WARNING: When the battery electrolyte is frozen, the battery can explode if (1), you try to charge the battery, or (2), you try to jump start and run the engine. To prevent the battery electrolyte from freezing, try to keep the battery at full charge. If you do not follow these instructions, you or others in the area can be injured.

M503



WARNING: Batteries contain acid and explosive gas. Explosions can result from sparks, flames or wrong cable connections. To connect the jumper cables correctly to the battery of this machine see the Operators Manual. Failure to follow these instructions can cause serious injury or death.

M504

ROLL OVER PROTECTIVE STRUCTURE (ROPS)

ROPS, the operators seat, the seat belts and all mounting, accessories and wiring inside the operators protective system must be carefully checked after a tractor accident and all parts with damage must be replaced immediately. **DO NOT TRY TO MAKE REPAIRS OR WELD THE ROPS.**

Safety Rules:

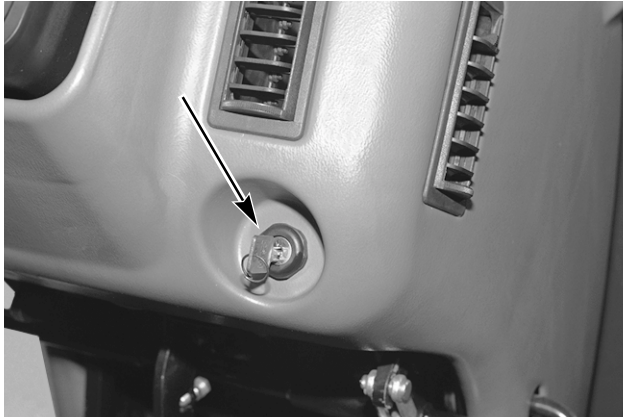
1. Do not make modifications to the ROPS. Example, welding an accessory to the ROPS or drilling a hole in the ROPS.
2. Special fasteners are used to install the operator protective parts. Replacement parts must be the same as given in the Parts Catalog.

Section 2001

ENGINE REMOVAL AND INSTALLATION

ENGINE REMOVAL

STEP 1



MK98C099

1. Park the tractor on solid, level surface.
2. Place the shift lever in PARK.
3. Shut off the engine and remove the key from the switch.

STEP 2



MK99J135

See Section 9001 A/C System - Recovery, Evacuation, Charging for instructions to discharge the air conditioning system.

Rac 7-92900

STEP 3



MK99K032

Open the battery access door and disconnect the negative battery cables from the two batteries.

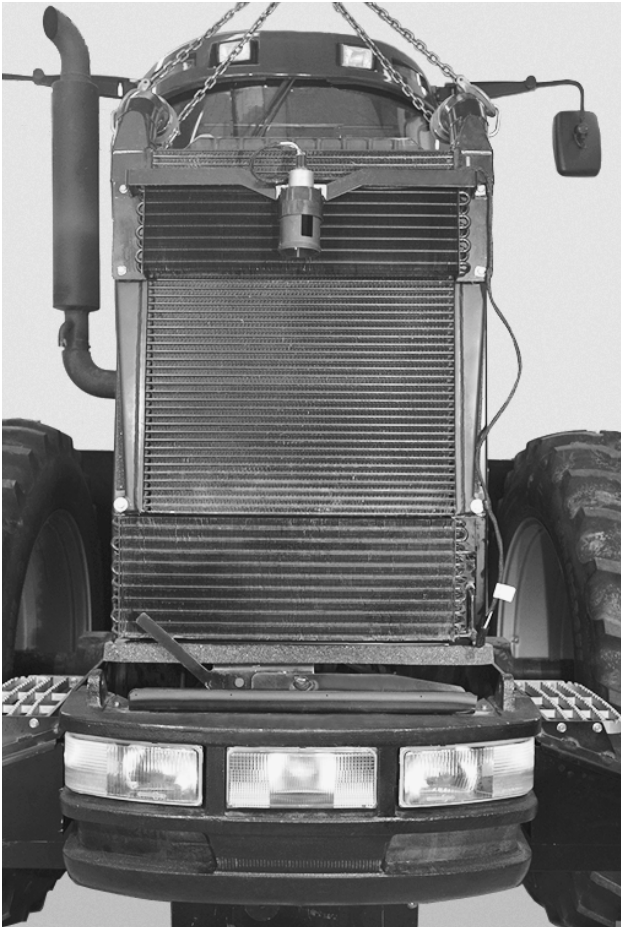
STEP 4



MK99H256

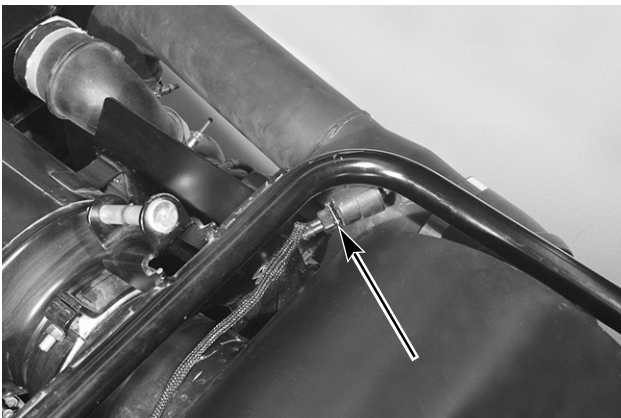
See Section 9007 Hood Removal for instructions to remove the hood and support bar from the tractor.

STEP 5



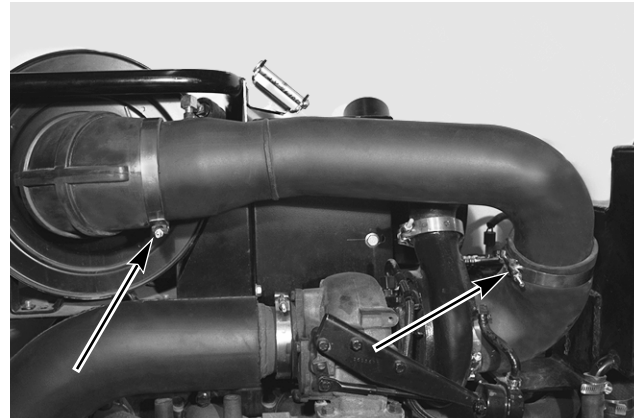
See Section 9008 Radiator Removal for instructions to drain the coolant and remove the radiator and cooler assembly from the front frame.

STEP 6



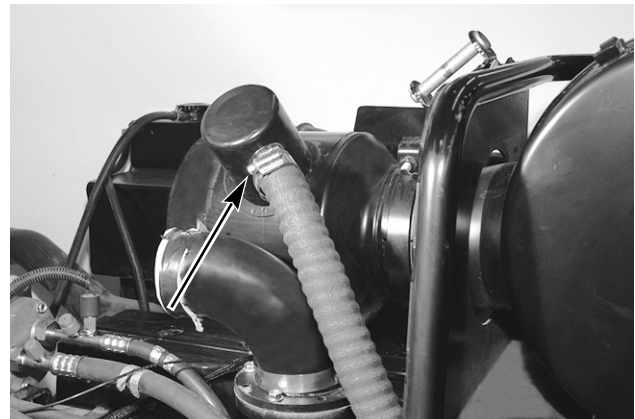
Remove the wire connector from the air restrictor switch on the air cleaner outlet tube.

STEP 7



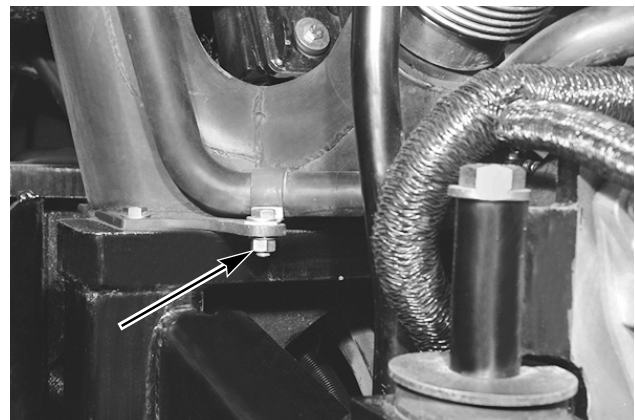
Loosen the clamps on the air cleaner outlet tube and remove the tube.

STEP 8



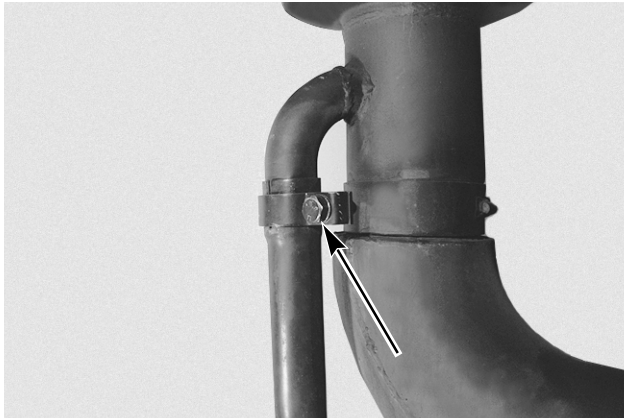
Loosen the clamp and remove the exhaust aspirator hose from the air cleaner inlet.

STEP 9



Remove the aspirator tube P-clamp mounting bolt.

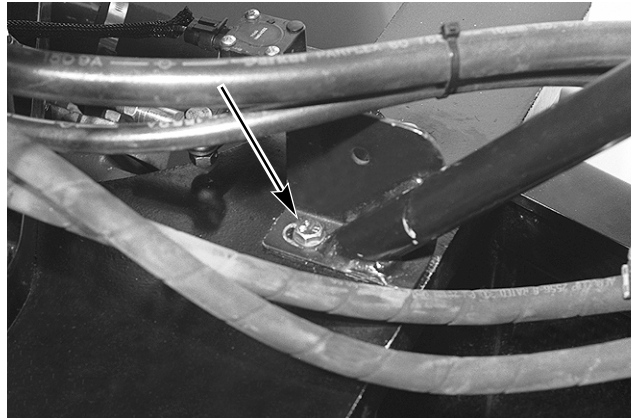
STEP 10



MK99J050

Loosen the clamp and remove the aspirator tube and hose from the muffler.

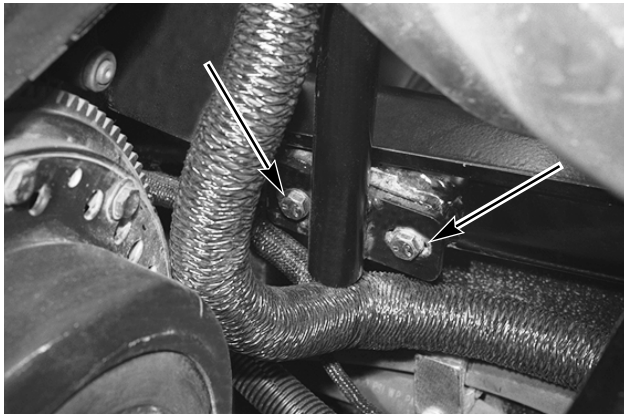
STEP 13



MK99J010

Remove the rear hood support mounting assembly and remove the assembly from the tractor.

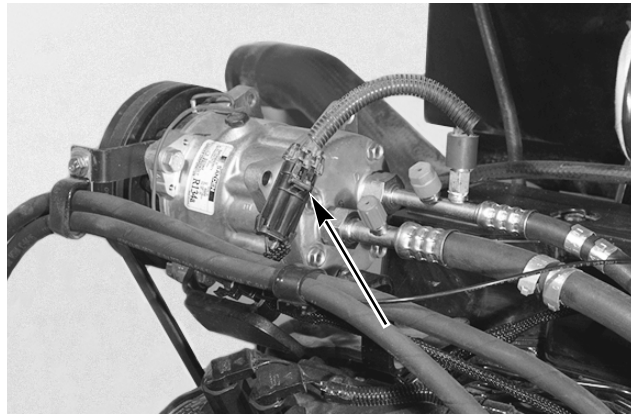
STEP 11



MK99J004

Attach an overhead hoist to the hood support assembly and remove the two right side mounting bolts.

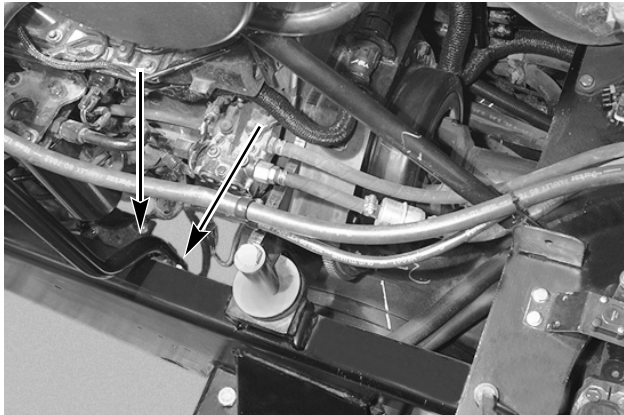
STEP 14



MK99J023

Remove the wire connector from the A/C system high pressure switch.

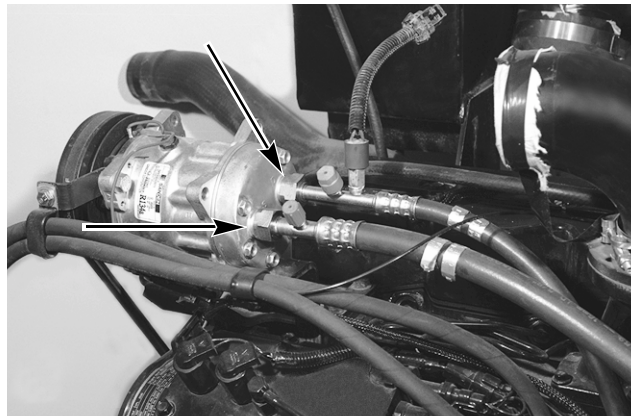
STEP 12



MK99J024

Remove the two left side hood support mounting bolts.

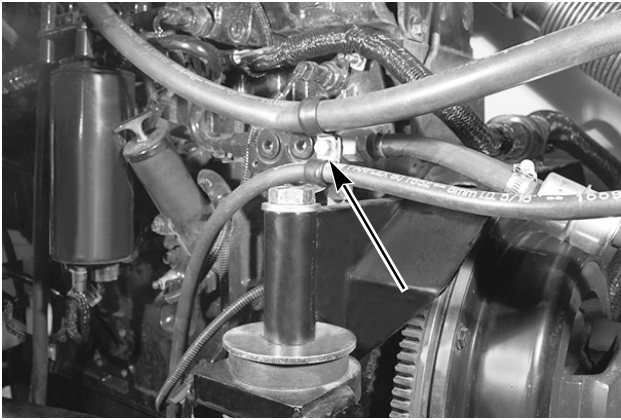
STEP 15



MK99J020

Remove the suction and discharge hoses from the A/C compressor. Install caps on the compressor fittings and plugs in the hoses. Discard the O-rings.

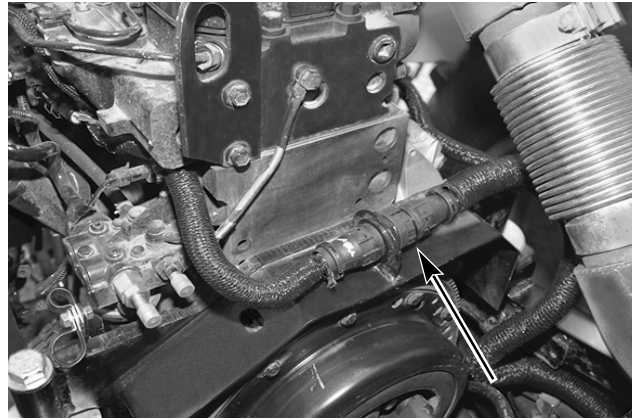
STEP 16



MK99J018

Remove the mounting bolt and nut. Remove the A/C suction and dryer hoses from the hose bracket.

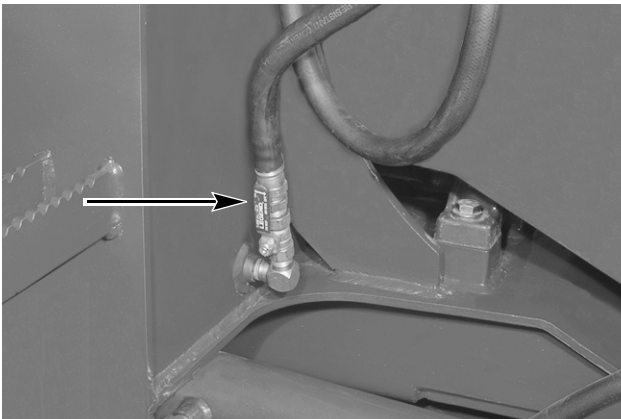
STEP 19



MK99J028

Remove the engine front frame wire harness connector from the engine wire harness.

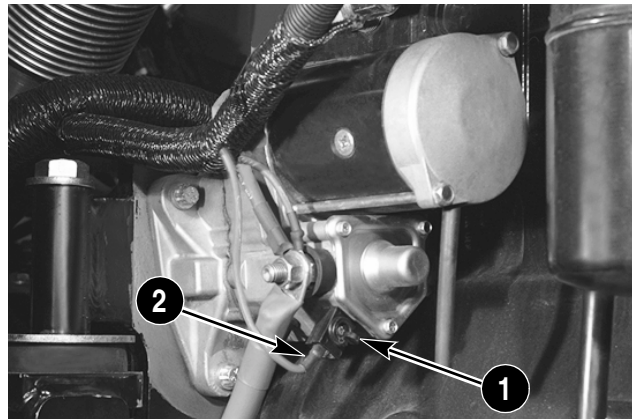
STEP 17



MK98G023

Turn the valve lever clockwise to shut off the fuel valve on the tank.

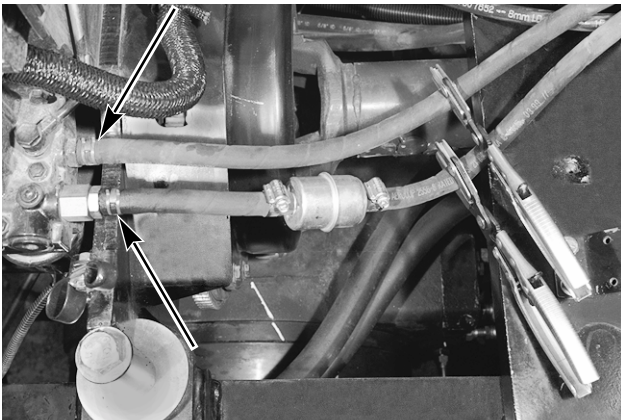
STEP 20



MK99J022

Open the cover plug (1) and remove the Phillips head screw to remove the starter switch wire (2) from the starter solenoid.

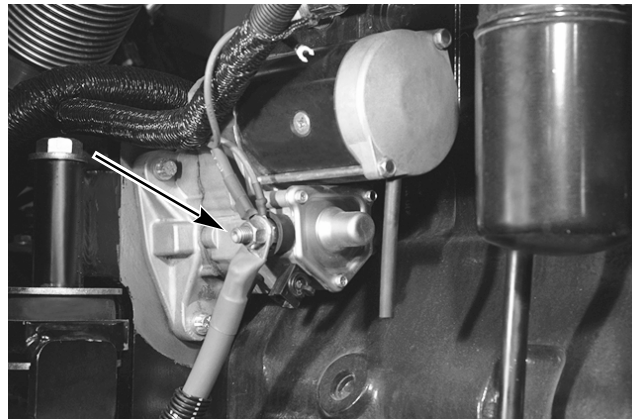
STEP 18



MK99J017

Install clamps on the fuel supply and return hoses. Loosen the hose clamps and remove the hoses from the engine. Cap the fuel pump fittings and plug the hose ends.

STEP 21



MK99J021

Remove the battery cable, alternator cable and starter switch power supply wire from the starter solenoid.

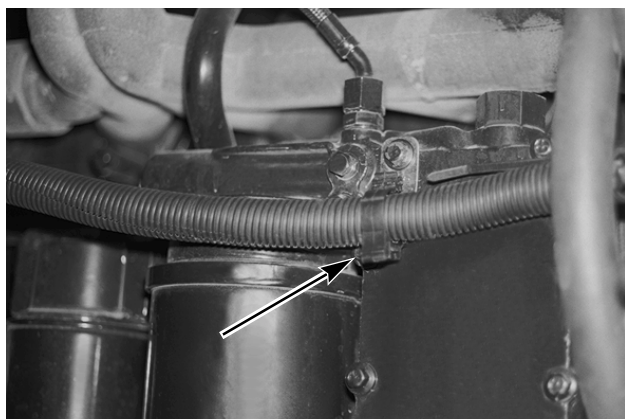
STEP 22



MK99J025

Remove the battery cable clamp mounting bolt.

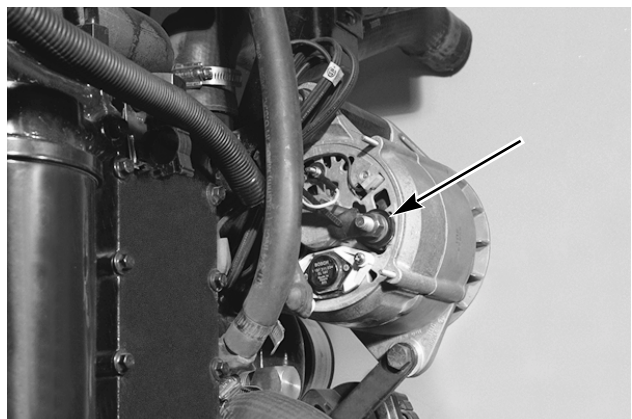
STEP 25



MK99J034

Remove the alternator wire harness from the engine clamp.

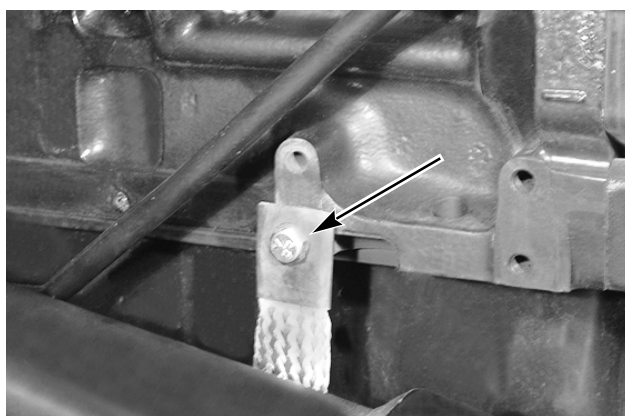
STEP 23



MK99J027

Remove the alternator to battery cable from the alternator.

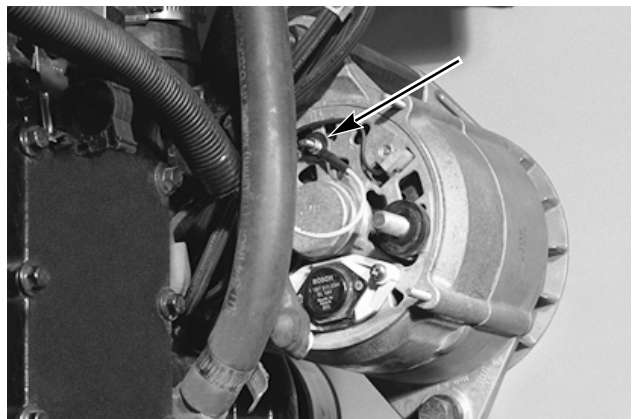
STEP 26



MK99J016

Remove the ground strap from the engine.

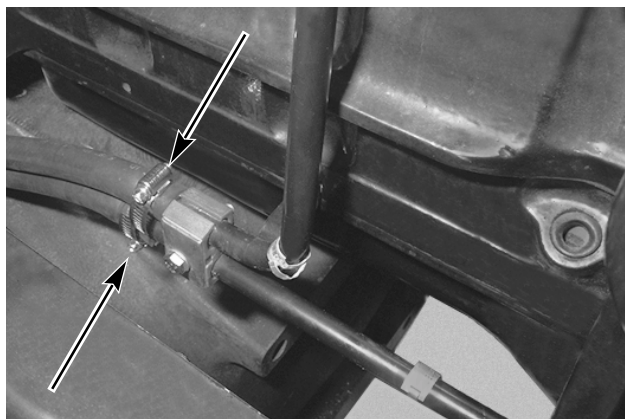
STEP 24



MK99J026

Remove the alternator exciter wire.

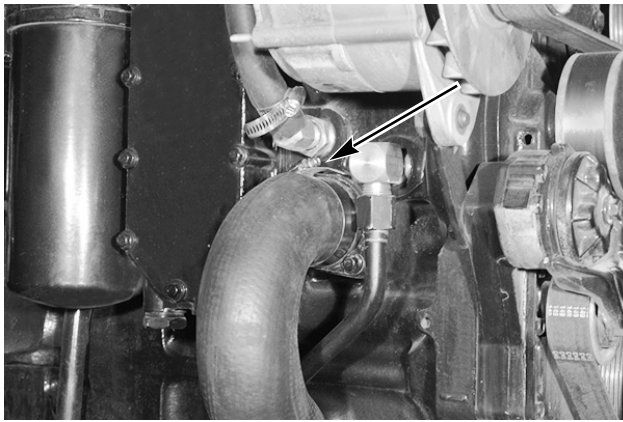
STEP 27



MK99J177

Mark the hoses for location. Loosen the hose clamps and remove the heater hoses from the engine.

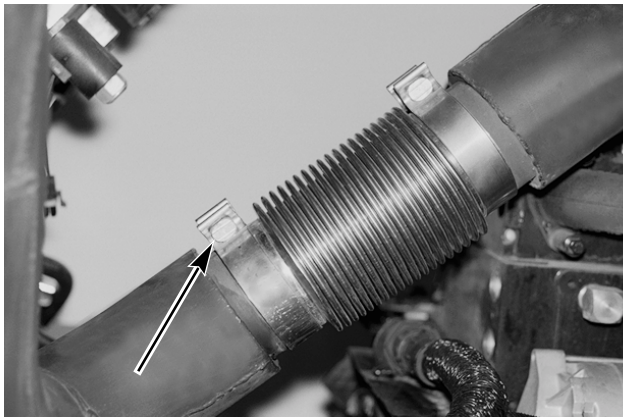
STEP 28



MK99J031

Loosen the hose clamp and remove the lower radiator hose from the engine.

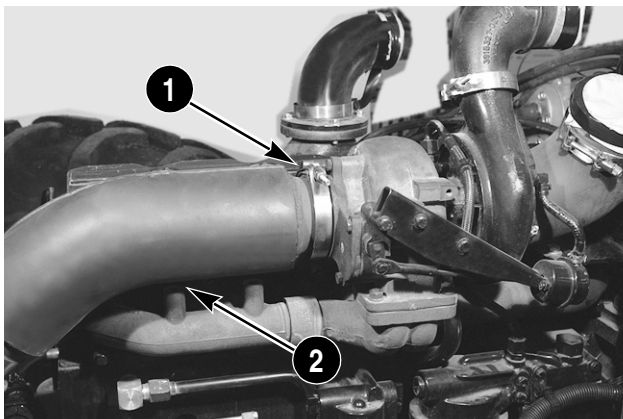
STEP 29



MK99J035

Loosen the band clamps on the exhaust flex tube.

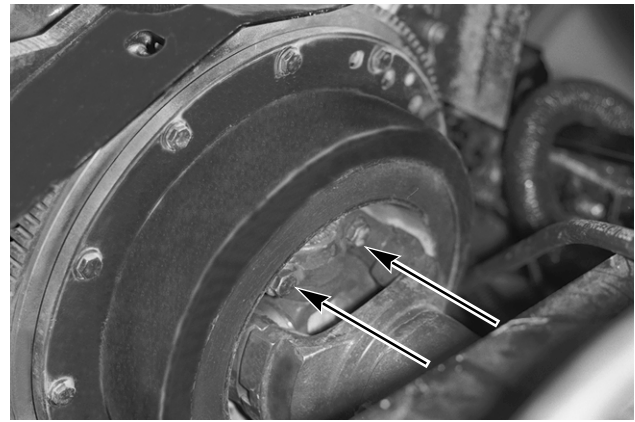
STEP 30



MK99J029

Remove the channel clamp (1) from the turbo exhaust port. Remove the exhaust pipe (2) and flex tube from between the turbo and the frame mounted exhaust pipe.

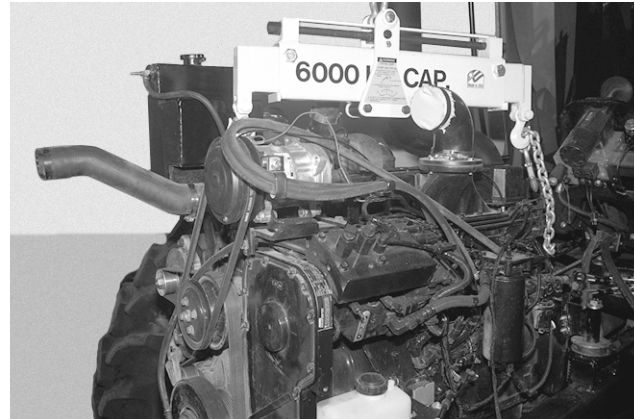
STEP 31



MK99J033

Remove the four mounting bolts and slide the drive shaft rearward away from the engine drive coupler.

STEP 32

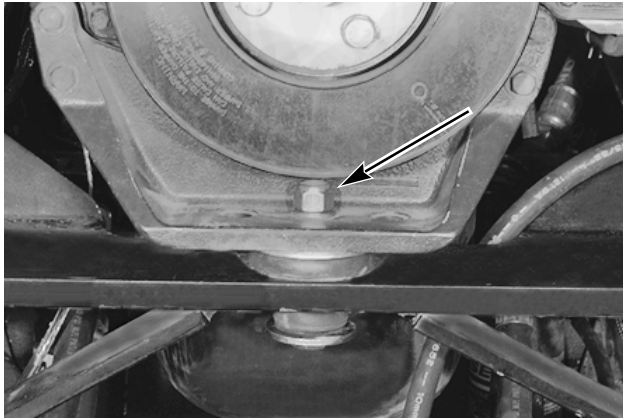


MK99J041

Install the OEM 4130 Load Rotor on the two engine lifting brackets. Attach the load rotor to an overhead hoist.

IMPORTANT: *The engine lifting brackets are for vertical lifting only. Any lifting device that is not vertically in-line with the lifting brackets can damage the engine rocker arm cover or cause bracket failure.*

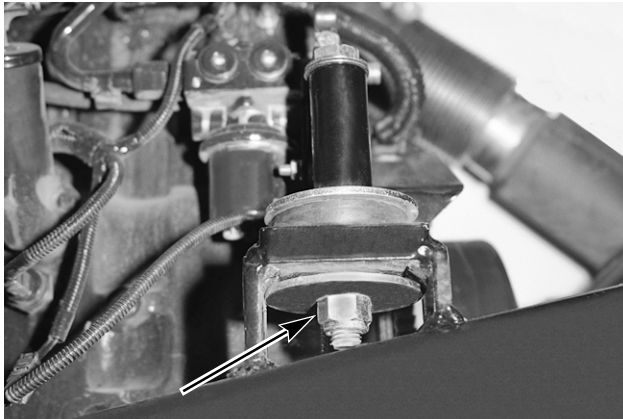
STEP 33



MK99J013

Remove the lock nut, bolt and washers from the front engine mount.

STEP 34



MK99J030

Remove the lock nut, large flat washer, bolt and small flat washer from the left side (shown) and right side rear engine mounts.

STEP 35

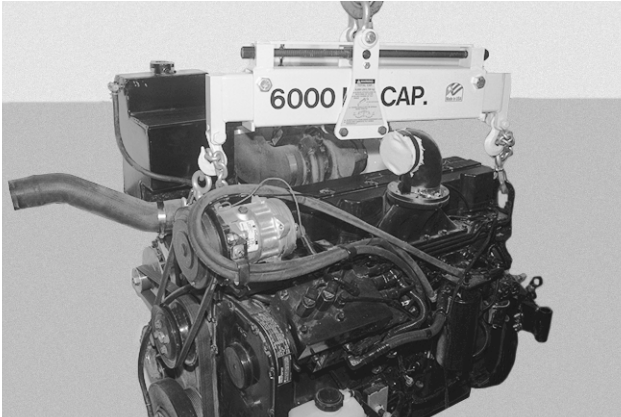


MK99J040

To remove the engine, lift the engine until the oil pan will clear the front frame engine mount crossmember. Move the engine forward out of the tractor.

ENGINE INSTALLATION

STEP 36

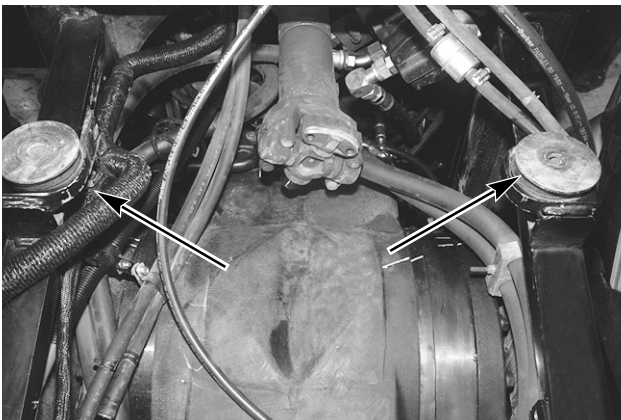


MK99J036

Install the OEM 4130 Load Rotor on the two engine lifting brackets. Attach the load rotor to an overhead hoist.

IMPORTANT: *The engine lifting brackets are for vertical lifting only. Any lifting device that is not vertically in-line with the lifting brackets can damage the engine rocker arm cover or cause bracket failure.*

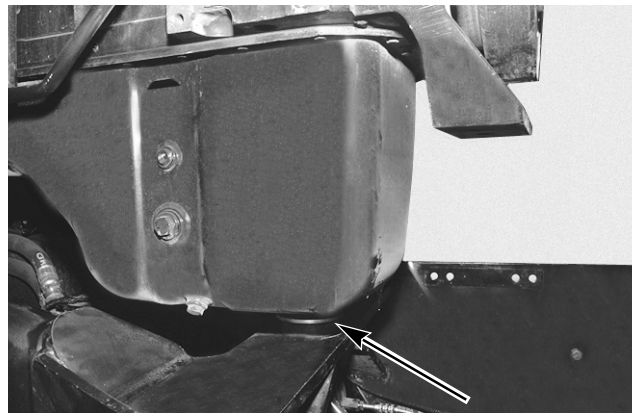
STEP 37



MK99J037

If removed after the engine was removed, install the three large flat washers on the front and rear (shown) rubber isolators.

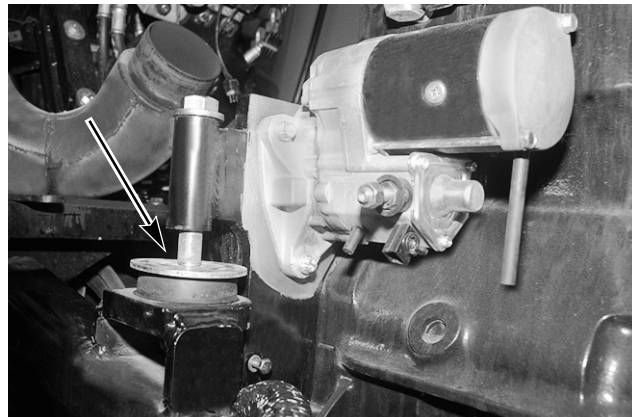
STEP 38



MK99J039

Install the bolts and small flat washers in the rear engine mounts. Lift the engine until the oil pan will clear the front frame and engine mount crossmember. Move the engine rearward into the tractor until it is positioned above the engine mounting brackets.

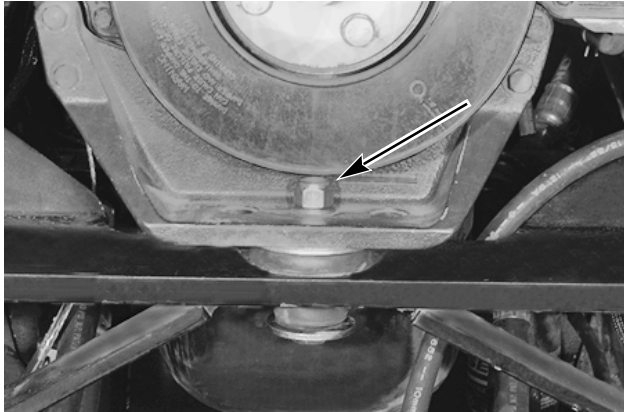
STEP 39



MK99J038

Use the rear mounting bolts as guides and slowly lower the engine on the front frame engine mounting brackets.

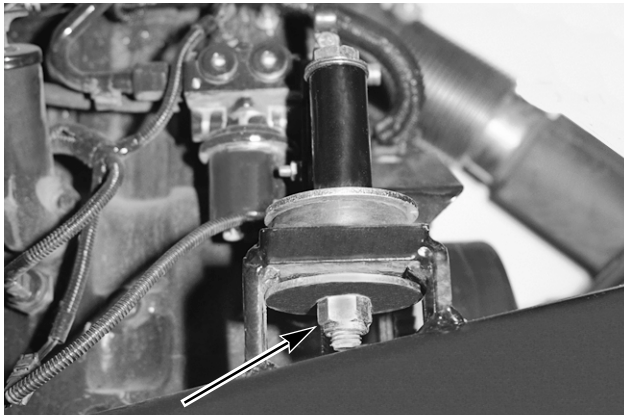
STEP 40



MK99J013

Install the bolt, flat washers and lock nut through the front motor mount. Tighten the bolt and lock nut to specifications.

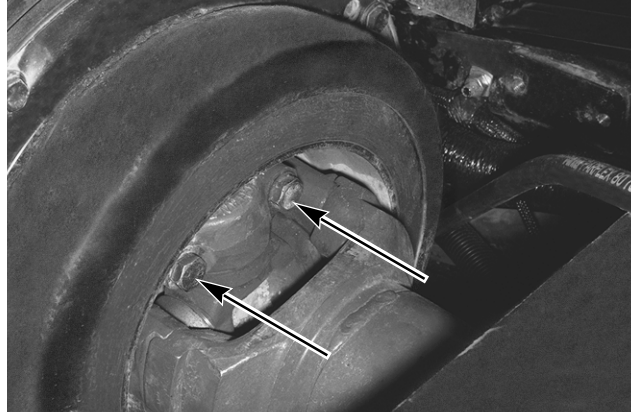
STEP 41



MK99J030

Install the large flat washers and lock nuts on the rear engine mount bolts. Tighten the bolts and lock nuts to specifications. Remove the hoist and load rotor.

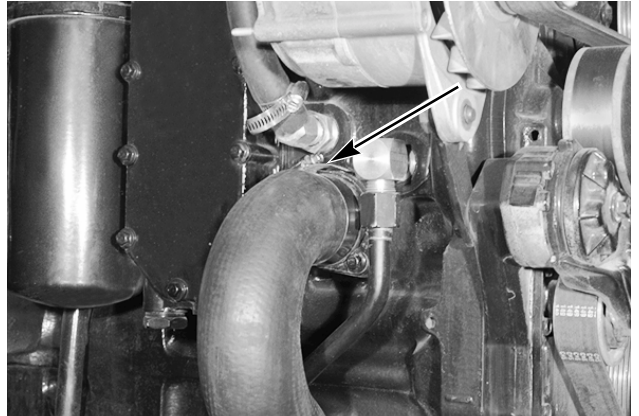
STEP 42



MK99J015

Move the driveshaft forward and install the four M12 x 20 bolts to secure the driveshaft to the engine drive coupler. Tighten the bolt and lock nut to specifications.

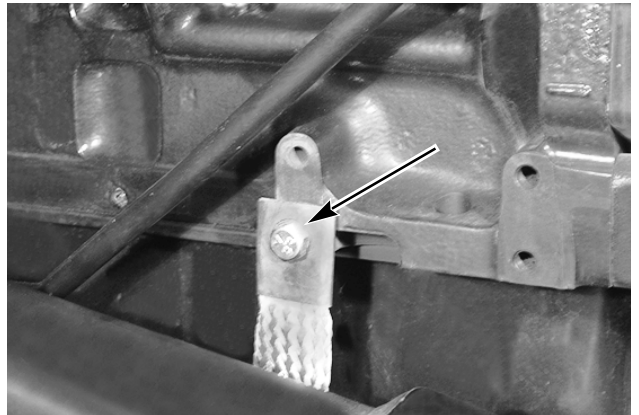
STEP 43



MK99J031

Install the lower radiator hose on the engine and tighten the hose clamp.

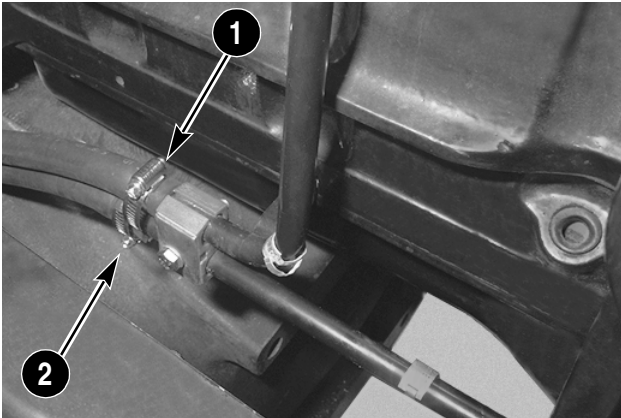
STEP 44



MK99J016

Install the right side ground strap on the engine.

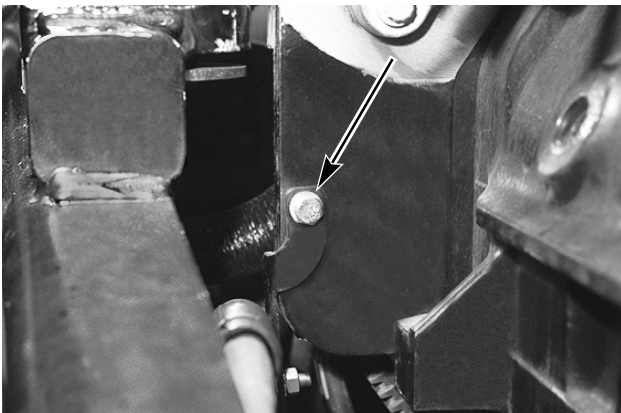
STEP 45



MK99J177

Install the heater supply hose (1) and return hose (2) on the engine and tighten the hose clamps.

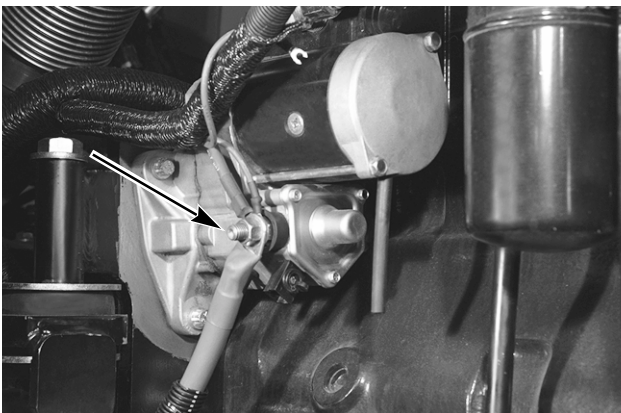
STEP 46



MK99J025

Use the M8 x 20 bolt and flat washer to install the heater hose and battery cable bracket on the right side motor mount. Tighten the bolt to specifications.

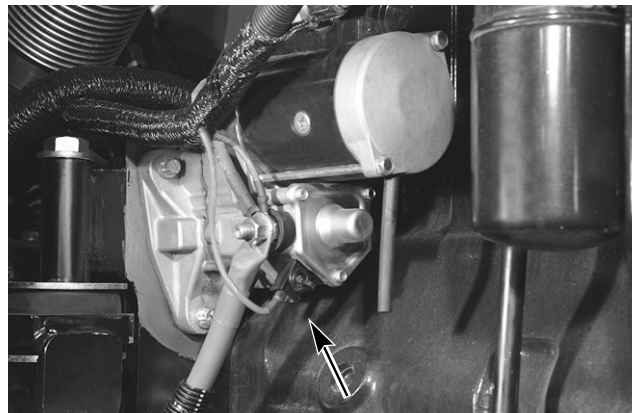
STEP 47



MK99J021

Install the battery cable, starter switch power supply wire and alternator cable on the starter solenoid.

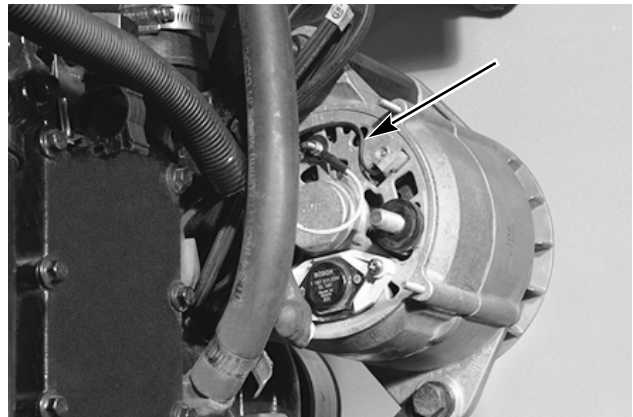
STEP 48



MK99J022

Install the starter switch wire on the starter solenoid.

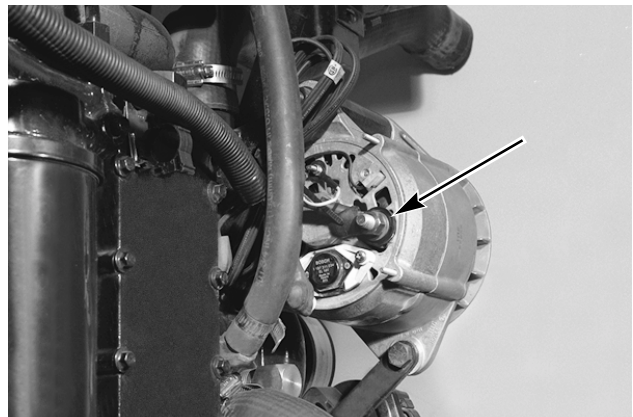
STEP 49



MK99J026

Install the exciter wire on the alternator.

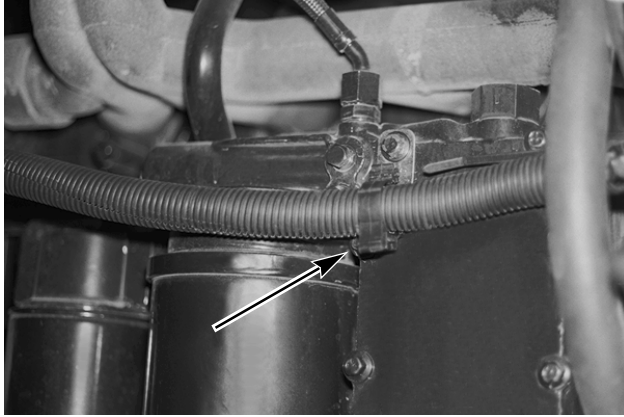
STEP 50



MK99J027

Install the battery wire on the alternator.

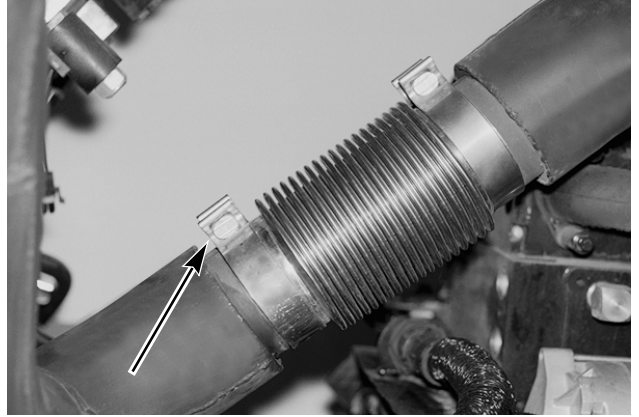
STEP 51



MK99J034

Install the alternator wire harness in the harness clamp on the engine.

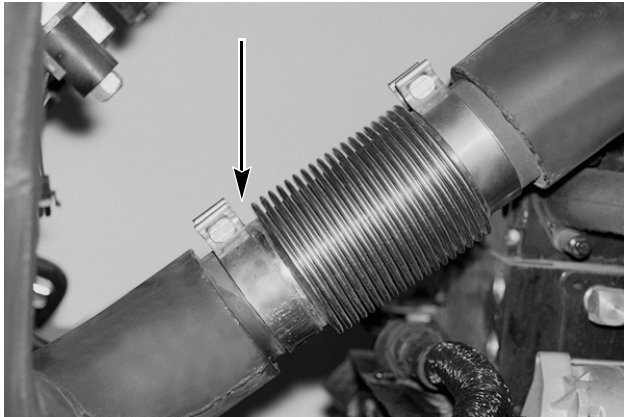
STEP 54



MK99J035

Tighten the flex tube band clamp to specifications.

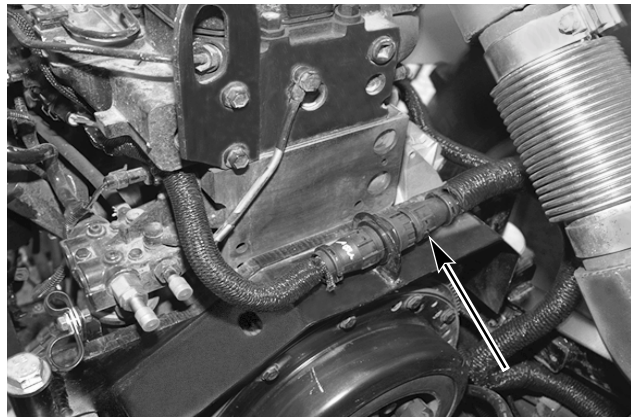
STEP 52



MK99J035

Install the flex tube and exhaust pipe assembly on the frame mounted exhaust pipe. Do not tighten the band clamp.

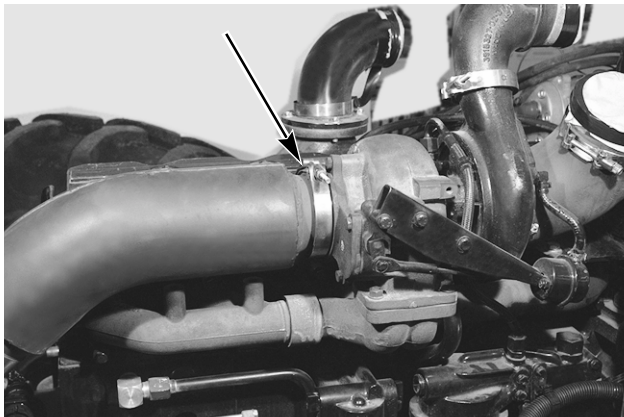
STEP 55



MK99J028

Install the front frame wire harness connector on the engine wire harness.

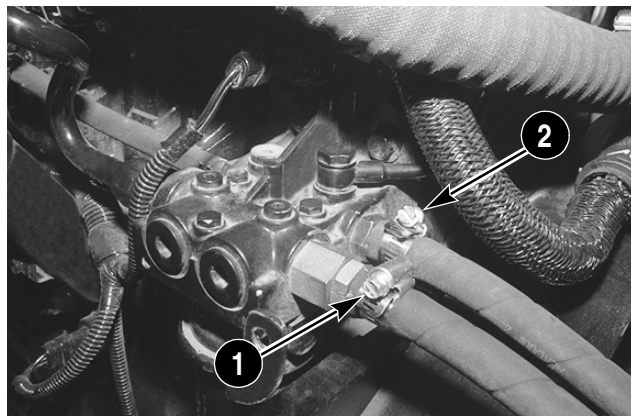
STEP 53



MK99J029

Use the channel clamp to install the exhaust pipe on turbo exhaust outlet. Tighten the channel clamp to specifications.

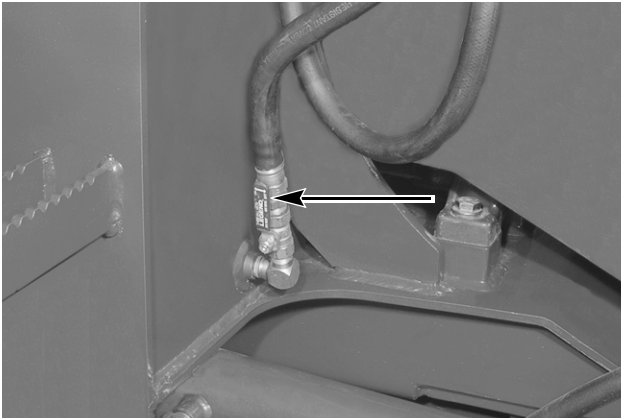
STEP 56



MK99J176

Install the fuel supply hose (1) and the fuel return hose (2) on the fuel pump. Tighten the hose clamps and remove the clamps from the hoses.

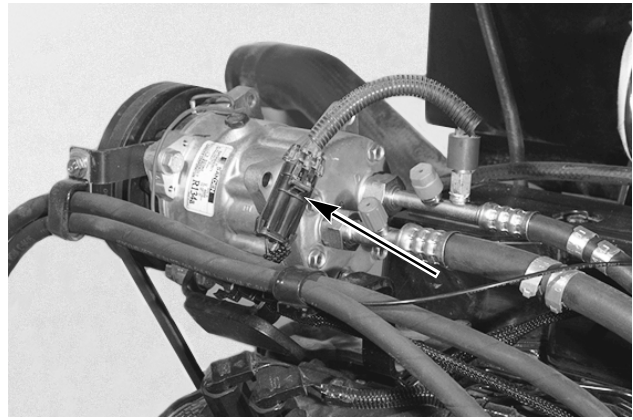
STEP 57



MK98G023

Turn the valve lever counterclockwise to open the fuel shut-off valve on the tank.

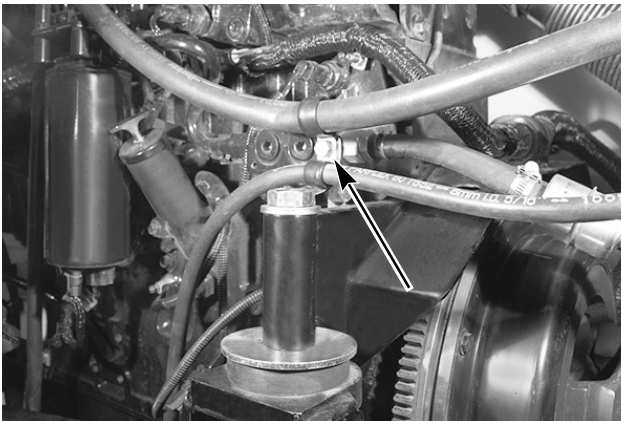
STEP 60



MK99J023

Install the high pressure switch wire connector on the engine wire harness.

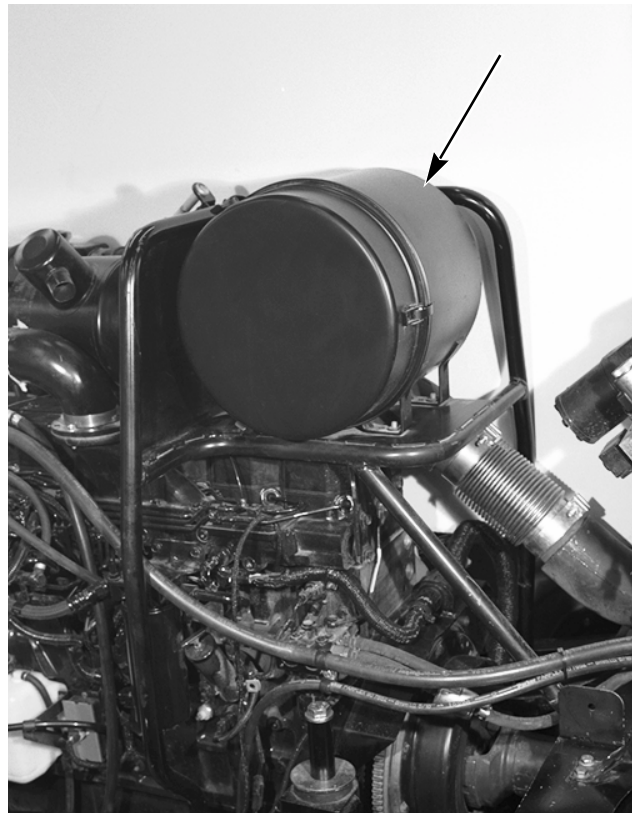
STEP 58



MK99J018

Use the M8 x 20 bolt, washer and nut to install the A/C suction and dryer hoses on the hose bracket.

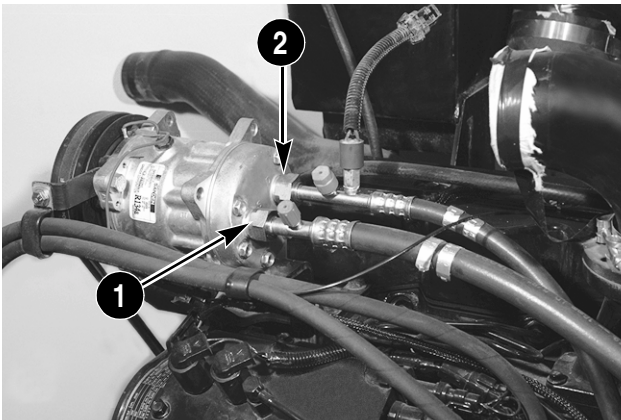
STEP 61



MK99J011

Install the hood support/air cleaner bracket over the top of the engine.

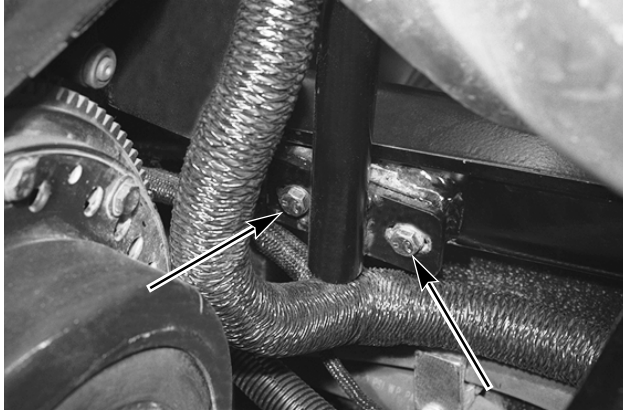
STEP 59



MK99J020

Lubricate new o-rings with clean A/C compressor oil and install the o-rings on the hose ends. Install and tighten the suction (1) and discharge (2) hoses on the A/C compressor.

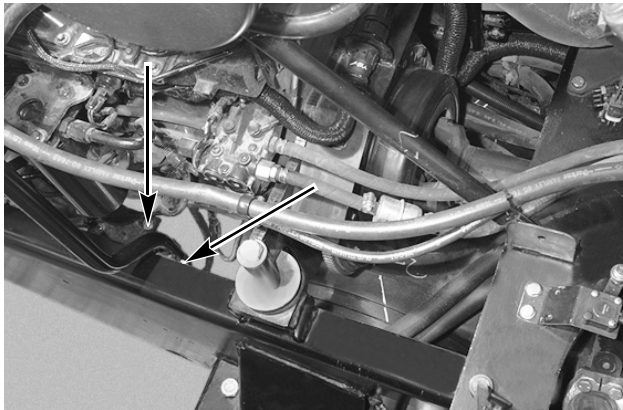
STEP 62



MK99J004

Use two M10 x 30 bolts to install the right side hood support bracket mount on the frame. Do not tighten the bolts.

STEP 63



MK99J024

Use two M10 x 30 bolts to install the left side bracket mount on the frame. Do not tighten the bolts.

STEP 64



MK99J010

Use one M10 x 30 bolt to install the rear bracket mount on the frame. Tighten the five M10 x 30 mounting bolts to specifications.

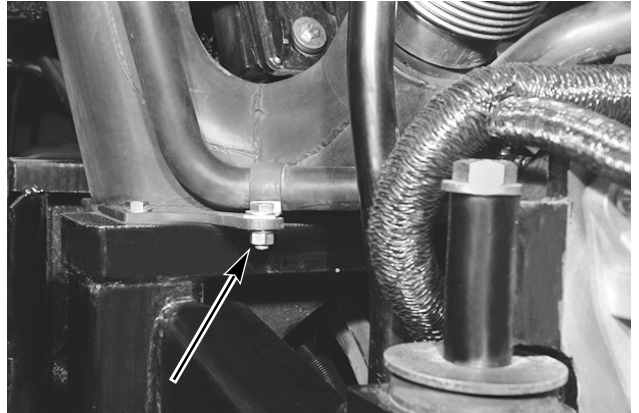
STEP 65



MK99J050

Install the exhaust aspirator tube on the muffler. Do not tighten the clamp.

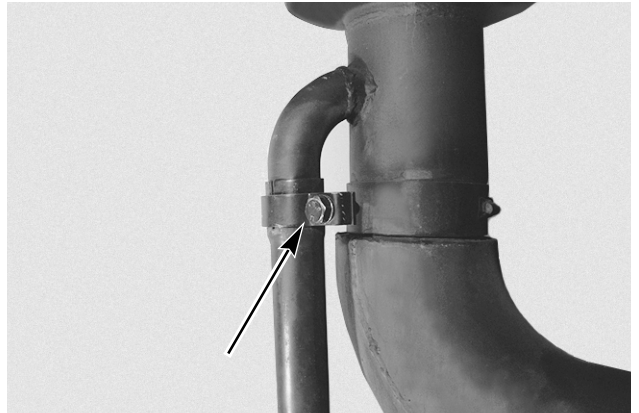
STEP 66



MK99J051

Use the M12 x 30 bolt, two flat washers and nut to install the aspirator tube P-clamp on the exhaust pipe mounting flange. Tighten the bolt and nut to specifications.

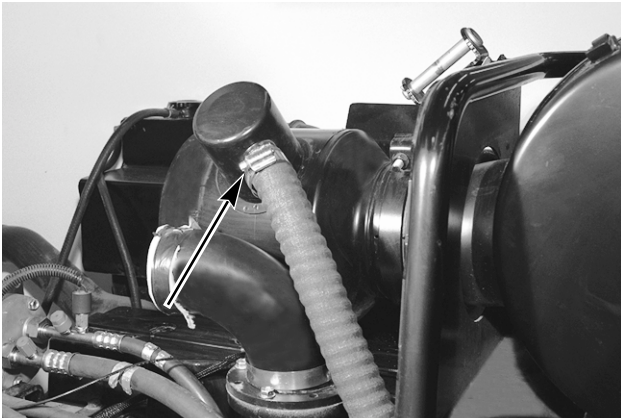
STEP 67



MK99J050

Tighten the aspirator tube clamp to specifications.

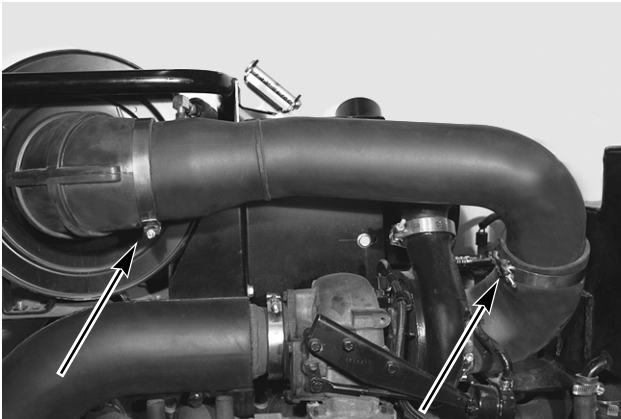
STEP 68



MK99J049

Install the aspirator hose on the air cleaner inlet and tighten the hose clamp.

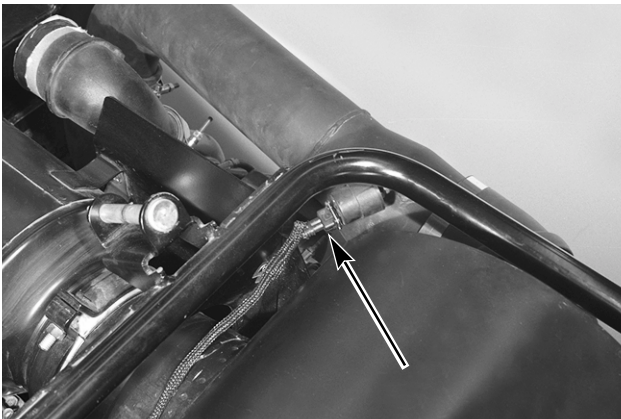
STEP 69



MK99J007

Install the turbo air inlet tube between the air cleaner elbow adapter and turbo inlet elbow adapter. Tighten the clamps to specifications.

STEP 70



MK99J008

Install the wire harness connector on the air restrictor switch.

STEP 71



MK99J073

See Section 9008 Radiator Removal and Installation for instructions to install the radiator and cooler assembly. Fill the engine and radiator with the specified coolant.

STEP 72



MK99J135

See Section 9001 A/C System - Recovery, Evacuation, Charging for instruction to evacuate, charge and add oil to the air conditioning system.

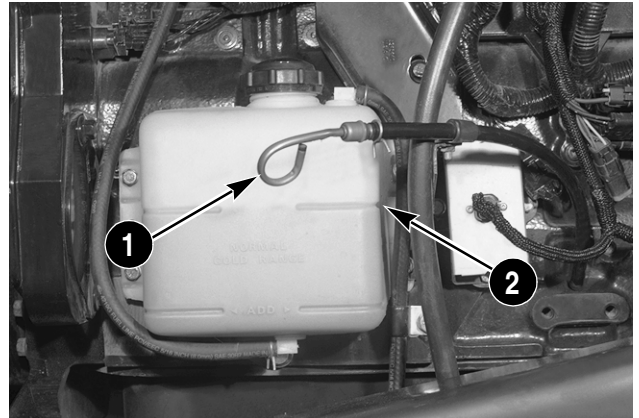
STEP 73



MK99K032

Open the battery access door and install the negative battery cable on both batteries.

STEP 74



MK99J198

Fill the engine crankcase to the correct level with the specified oil.

Start the engine and run at low idle for five minutes with the deaeration tank cap off.

Check the fuel lines, hydraulic hoses and engine coolant hoses for leaks. Check the operation of the A/C system. Shut off the engine and if necessary, add coolant to the deaeration tank. Check the engine oil level (1).

IMPORTANT: After the engine has been run at the normal operating temperature and allowed to cool, check the coolant level at the recovery reservoir (2) only. Do not remove the deaeration tank cap. If necessary, add coolant solution to the coolant recovery reservoir.

STEP 75



MK99H256

See Section 9007 Hood Removal and Installation for instructions to install the support bar and hood.

AIR INDUCTION SYSTEM



MK99K132

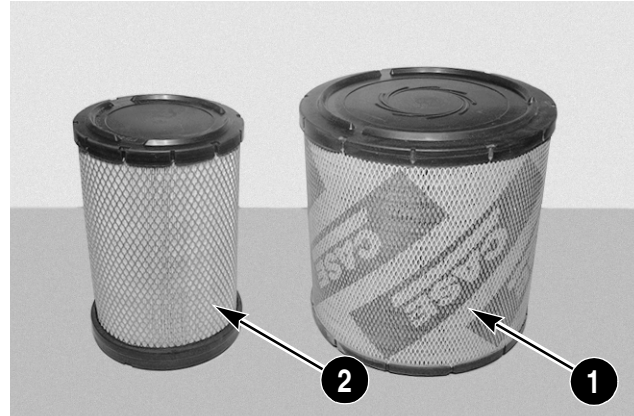
When the air filter service monitor on the ROPS instrument cluster illuminates, the primary filter element needs service.

If the air filter service monitor illuminates with frequency, or after the primary filter has been serviced, check the following items for service:

1. Secondary filter element.
2. Restriction indicator switch.
3. Aspirated strata tube.
4. Aspirator safety valve.
5. Grille screen.

AIR FILTER ELEMENTS

The tractor is equipped with a two-stage air filter system consisting of a primary (outer) filter and a secondary (inner) filter.



MK99K083

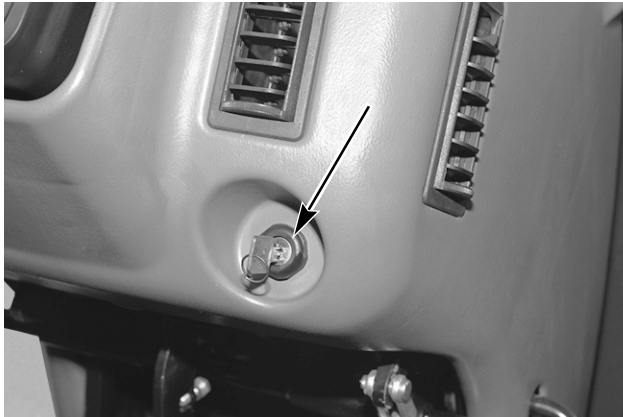
The primary filter (1) is a high capacity filter designed to provide optimum protection to the engine. The primary filter can be cleaned as required between filter changes. See the Operators Manual for regularly scheduled filter servicing or replacement intervals.

The secondary (inner) filter (2) gives extra protection to the engine if there is damage to the primary filter. The secondary filter cannot be cleaned and must be replaced if dirty. See the Operators manual for regularly scheduled replacement intervals.

ENGINE AIR INDUCTION SYSTEM

Primary And Secondary Filter Element Removal

STEP 1



MK98C099

Shut off the engine and remove the key from the switch.

STEP 4



MK99K073

Remove the air cleaner cover.

STEP 2



MK98N142

Open the hood.

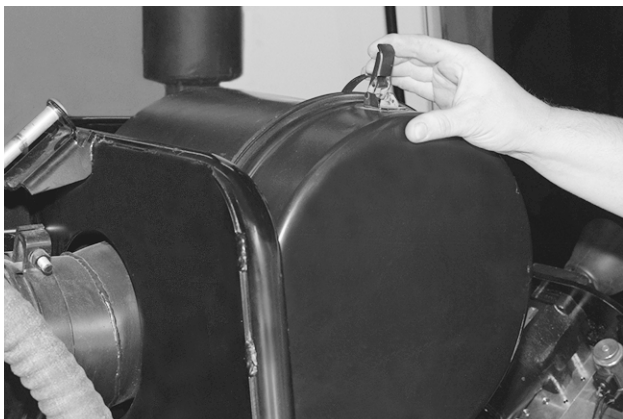
STEP 5



MK99K069

Pull the primary filter from the air cleaner.

STEP 3



MK99K072

Release the four air cleaner cover latches.

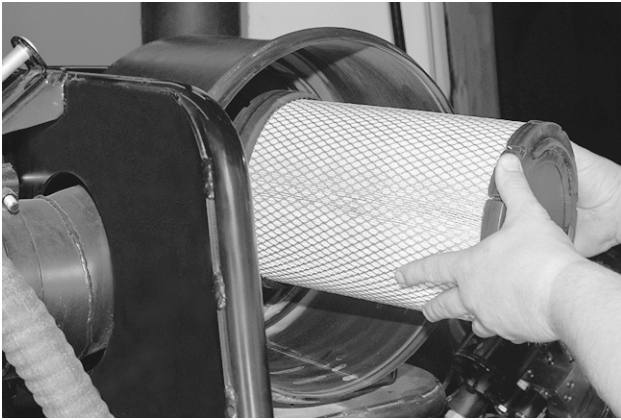
STEP 6



MK99K070

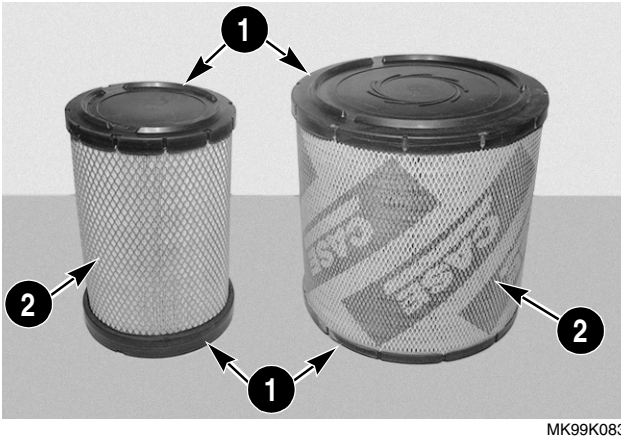
Clean or vacuum any dirt or debris from the air cleaner housing.

STEP 7



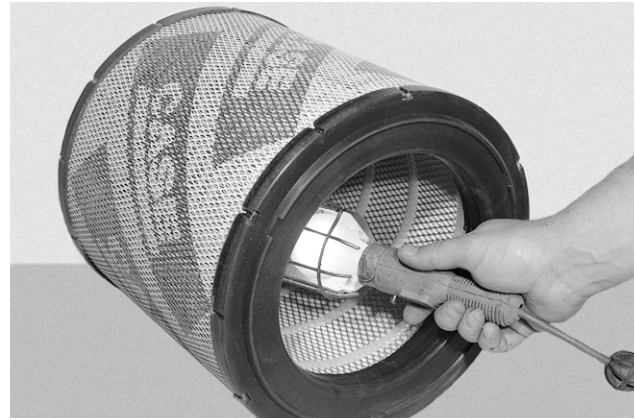
Pull the secondary filter from the air cleaner.

STEP 8



Inspect the rubber gaskets (1), the metal cover (2) and filter material for damage. Replace the damaged element.

STEP 9



To check the filter elements for dirt or holes use a lamp inside the element and turn the element.

If the secondary filter is dirty, damaged or plugged, replace the filter and proceed to Step 42.

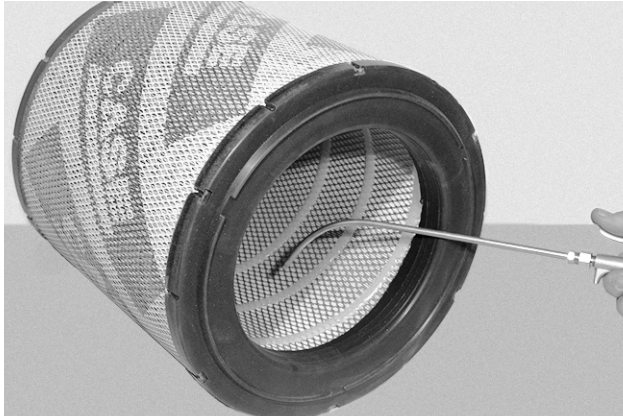
If both filters are clean and not damaged proceed to Step 12.

If the primary filter is damaged or plugged with oily dirt replace the filter and proceed to Step 42.

If the dirt on the primary filter is dry proceed to the next step.

PRIMARY FILTER ELEMENT SERVICE

STEP 10

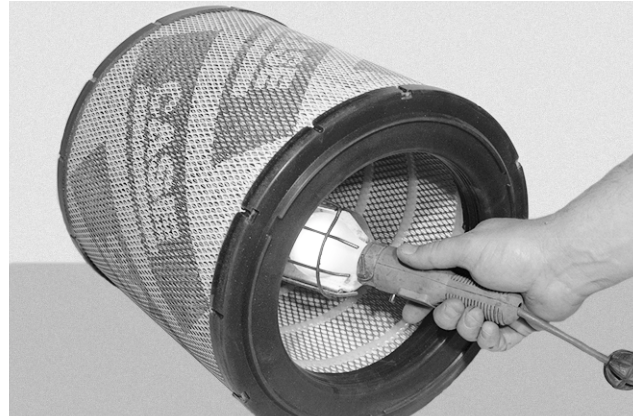


MK99K088

Use compressed air from inside the element to dislodge the dirt on the outside. Move the nozzle up and down the length of the element while turning the element.

IMPORTANT: *The nozzle pressure must not be more than 35 PSI (242 kPa).*

STEP 11

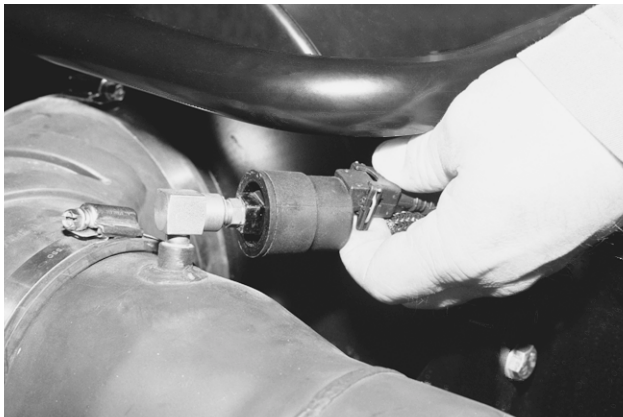


MK99K087

Repeat Step 9 to check the clean filter for damage or holes. Replace the filter if damaged.

RESTRICTION INDICATOR SWITCH REMOVAL AND TEST

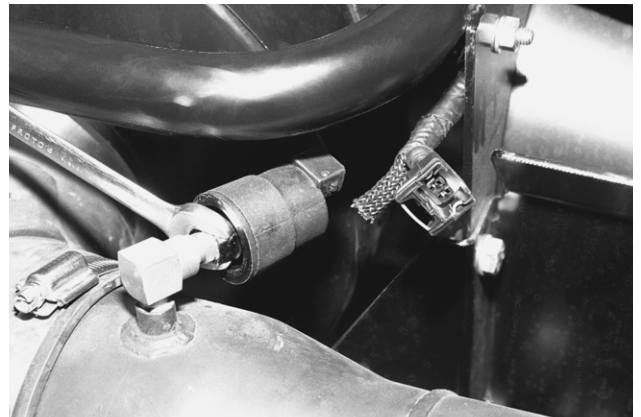
STEP 12



MK00D308

Remove the wire harness connector from the switch.

STEP 13



MK00D305

Turn the switch counterclockwise to remove from the air cleaner outlet tube.

STEP 14



MK00D303

Install the test leads of a multimeter to the switch terminals. Set the multimeter to ohms or continuity testing. The multimeter should show an open circuit. If the multimeter shows a closed circuit, replace the switch and proceed to Step 40.

STEP 15



MK00D304

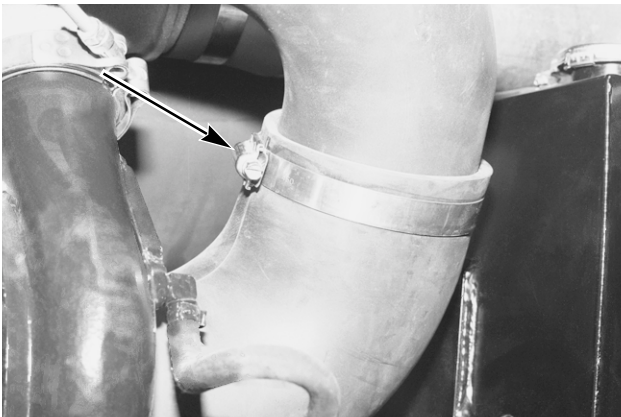
Connect the switch to a vacuum hand pump as shown. Use the hand pump to slowly and carefully apply vacuum to the switch. The multimeter should show a closed circuit at approximately 690 kg/m² (2 in Hg) of vacuum.

If the switch does not close at 690 kg/m² (2 in Hg) of vacuum or closes before 460 Kg/m² (1.5 in Hg) of vacuum replace the switch and proceed to Step 40.

If the switch closes at approximately 690 Kg/m² (2 in Hg) of vacuum proceed to Step 16.

AIR CLEANER HOUSING REMOVAL

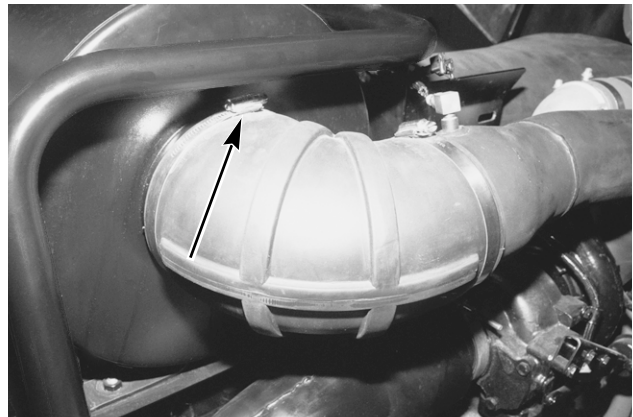
STEP 16



MK00D309

Loosen the turbo inlet elbow clamp.

STEP 17

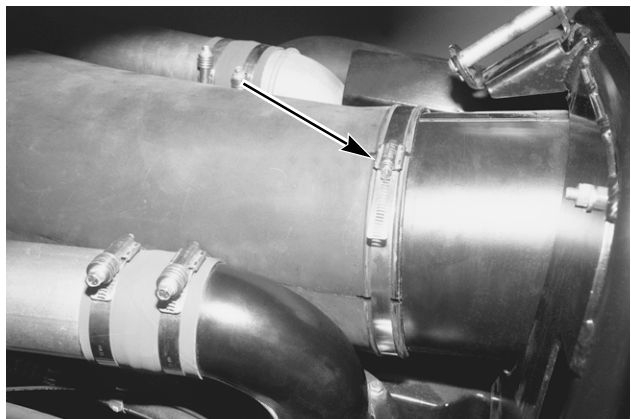


MK00D310

Loosen the air cleaner outlet elbow clamp.

Remove the air cleaner outlet elbow from the air cleaner.

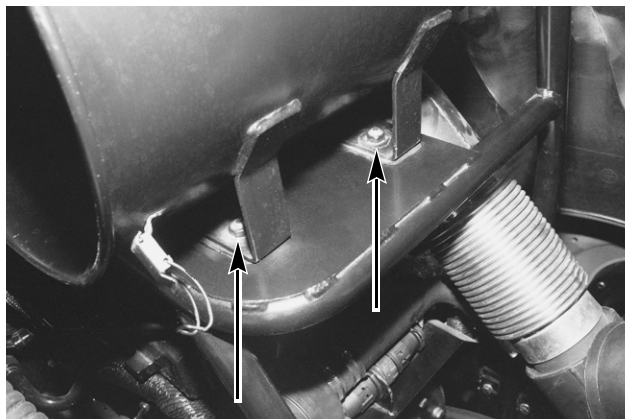
STEP 18



MK00D311

Loosen the air cleaner inlet duct clamp.

STEP 20



MK00D312

Remove the four air cleaner mounting bolts.

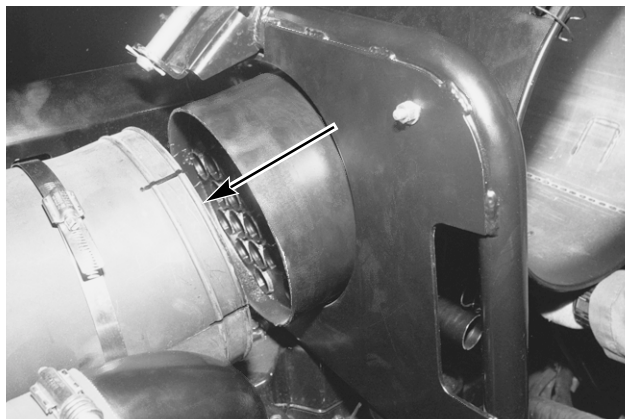
STEP 19



MK00D313

Loosen the aspirator hose clamp and remove the hose clamp from the air cleaner.

STEP 21



MK00D280

Move the air cleaner housing rearward and out of the inlet duct. Remove the air cleaner housing from the tractor.

Aspirator Strata Tube Cleaning

STEP 22



MK00D322

If the dirt or debris in the air passages of the strata tubes is wet, heavy, oily or soot is present, proceed to Step 26.

If the dirt or debris in the air passages is dry, clean the tube with compressed air directed into the inlet ends of the tubes. Move the nozzle in a circular motion on the vanes of each tube.

IMPORTANT: *The air nozzle pressure must not be more than 242 kPa (35 psi) or the vanes in the tubes could be damaged.*

STEP 23



MK00D270



MK00D323

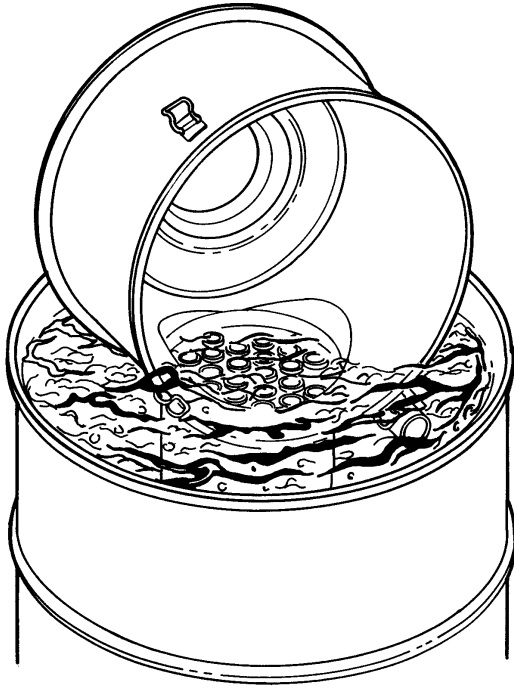
Vacuum or wipe the dirt from inside the air cleaner housing.

STEP 24



MK00D361

Place the aspirated strata tube in a solution of Case IH Filter Element Cleaner (P/N A40910) and water. Mix 57 grams (2 ounces) of cleaner for each 4 liters (1 gallon) of water. The water temperature should be 38 to 66° C (100 to 150° F).

STEP 25

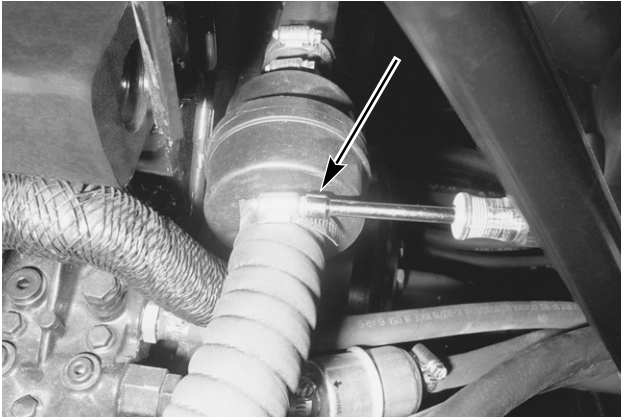
MS00D044

Keep the tubes in the solution for 30 minutes, then turn the tubes over for about 2 minutes. Rinse the tubes with clean water and dry completely.

NOTE: *If there was soot or oil in the strata tubes proceed to Step 26.*

ASPIRATOR SAFETY CHECK VALVE REMOVAL AND TEST

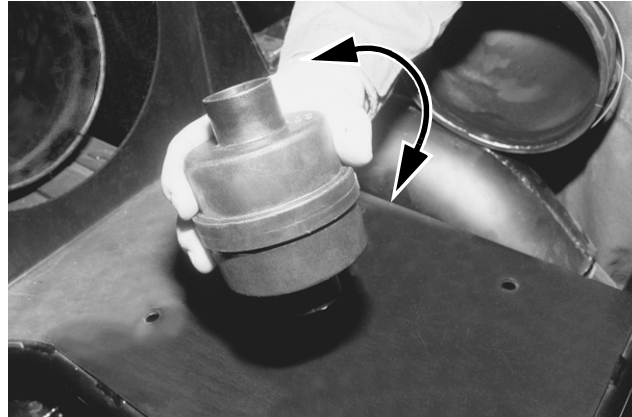
STEP 26



MK00D272

Loosen the hose clamp and remove the air cleaner hose from the aspirator safety check valve.

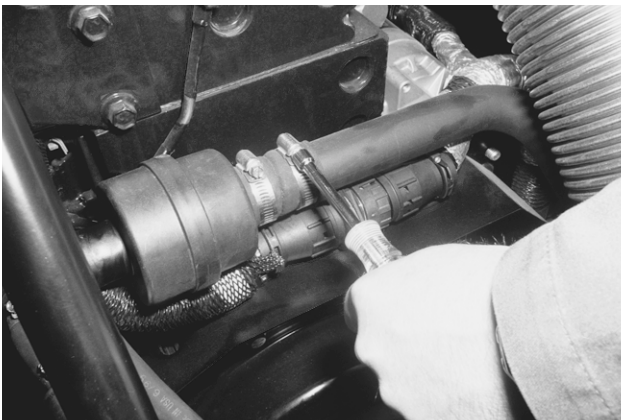
STEP 29



MK00D275

To check the aspirator safety valve for correct operation, turn the valve outlet 180° up and down several times. The gate inside the valve should move freely from open to closed and back to open.

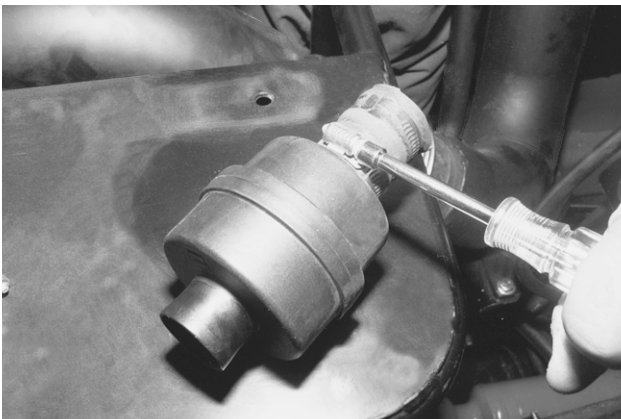
STEP 27



MK00D273

Loosen the hose clamp and remove the valve from the aspirator tube.

STEP 28



MK00D274

Loosen the hose clamp and remove the coupler from the valve.

STEP 30

To clean the valve follow the same procedure as in Steps 24 and 25. Repeat Step 29 after cleaning.



Suggest:

If the above button click is invalid.

Please download this document

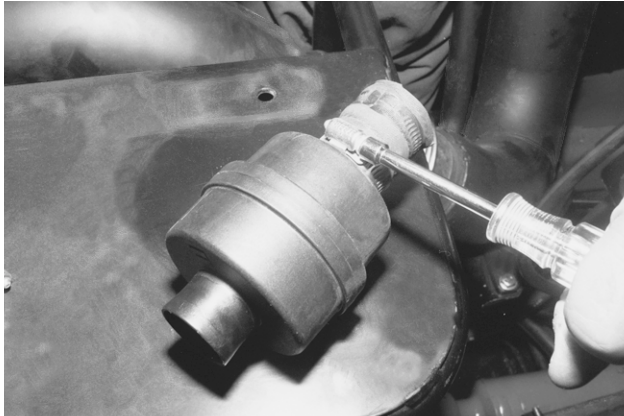
first, and then click the above link

to download the complete manual.

Thank you so much for reading

ASPIRATOR SAFETY CHECK VALVE INSTALLATION

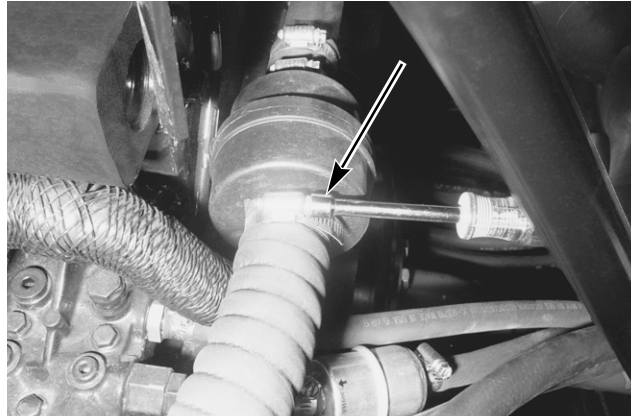
STEP 31



MK00D274

Install the coupler on the valve and tighten the hose clamp.

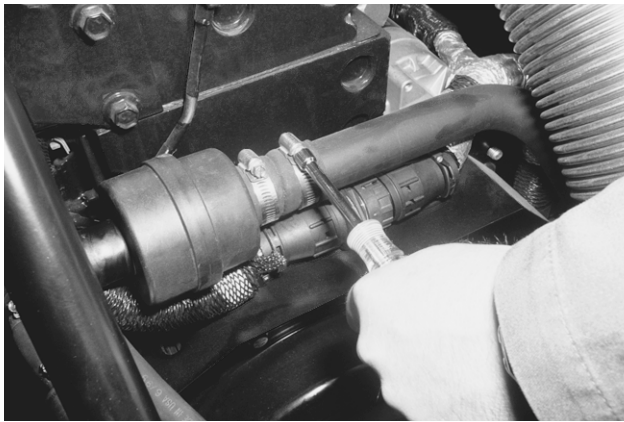
STEP 33



MK00D272

Install the aspirator hose on the valve and tighten the hose clamp.

STEP 32



MK00D273

Install the valve and coupler on the aspirator tube. Turn the valve so that the arrow on the valve seam is on top and points towards the muffler. Tighten the hose clamp.

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