

CHECKING COOLANT LEVEL

Tractors Without Expansion Tank

Coolant must reach up to marker plate in radiator.

On All Tractors

The cooling system is filled with JOHN DEERE engine coolant at the factory. It protects the engine against corrosion and against frost down to -36°C (-35°F).

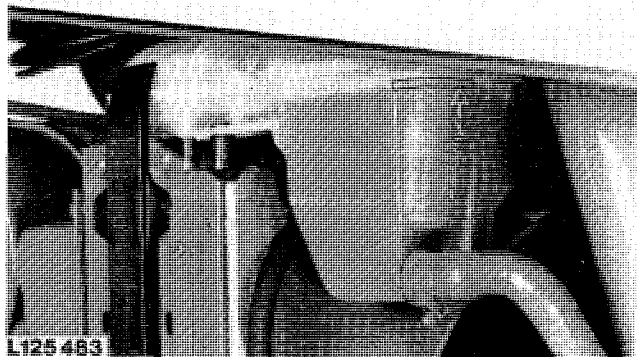
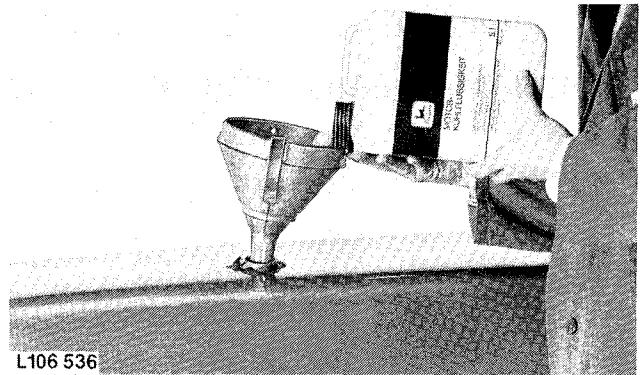
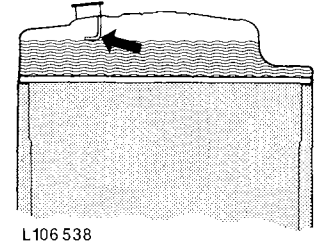
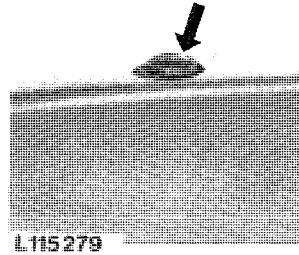
IMPORTANT: Use only JOHN DEERE engine coolant in the cooling system, independent of the season.

If JOHN DEERE engine coolant is not available, use a mixture of 50% ethylene-glycol antifreeze/corrosion inhibitor and 50% clear, soft water. This guarantees engine protection against corrosion and frost down to -36°C (-35°F).

Never use any cooling system sealing additives.

Tractors With Expansion Tank

Coolant level should never drop below "MIN" mark.



L115279,L106538,L106536,L125483-LB31010AE-010888

CHECKING ENGINE IDLE SPEEDS

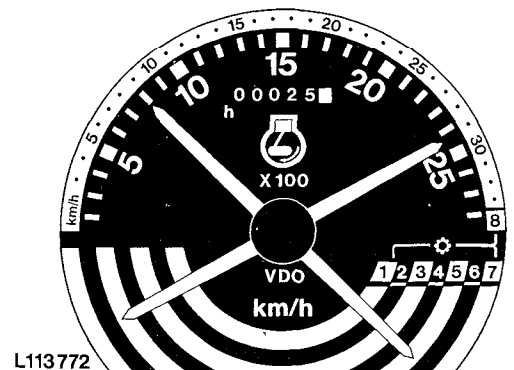
Tractors with Synchronized Transmission

Warm up engine to operating temperature and check speeds.

Slow idle speed: 750 to 850 rpm

Fast idle speed: 2410 to 2510 rpm

See Section 30, Group 15, for adjustment.



L113772-LB31010AE-010287

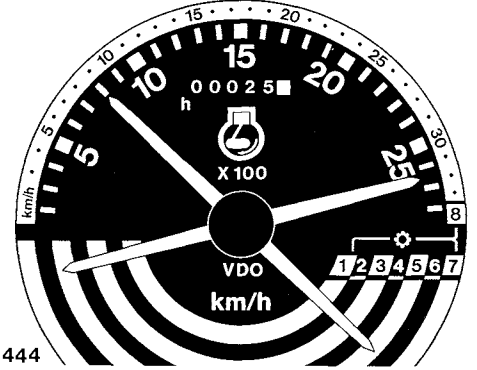
Tractors with Collar Shift Transmission

Warm up engine to operating temperature and check speeds.

Slow idle speed: 750 to 850 rpm
Fast idle speed: 2610 to 2660 rpm

See Section 30, Group 15, for adjustment.

L113 444

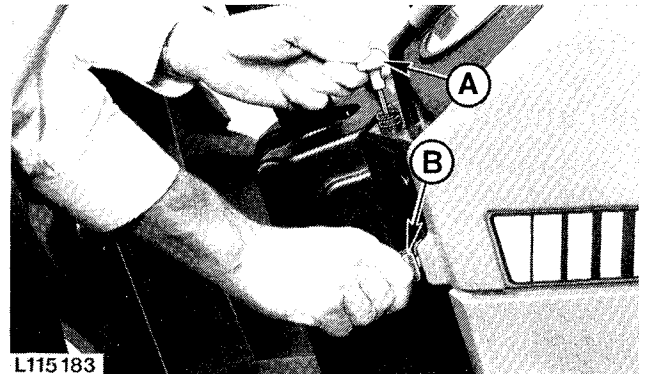


L113444-LB31010AE-010287

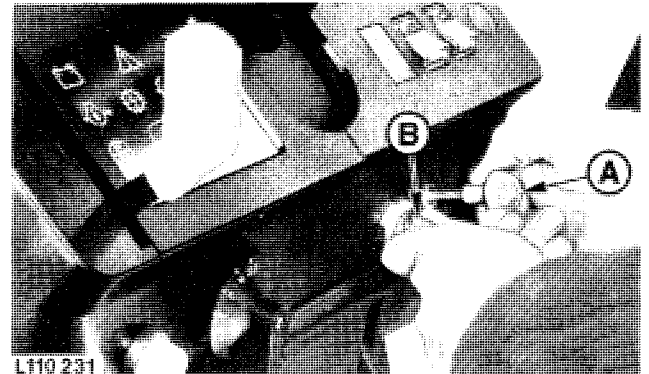
CHECKING FUNCTION OF ENGINE SHUT-OFF CABLE

Move hand throttle lever to idle position and run engine for 1 to 2 minutes at slow idle speed.

Completely pull out shut-off knob (A), making sure that engine stops immediately. Switch off main switch (B).



L115 183



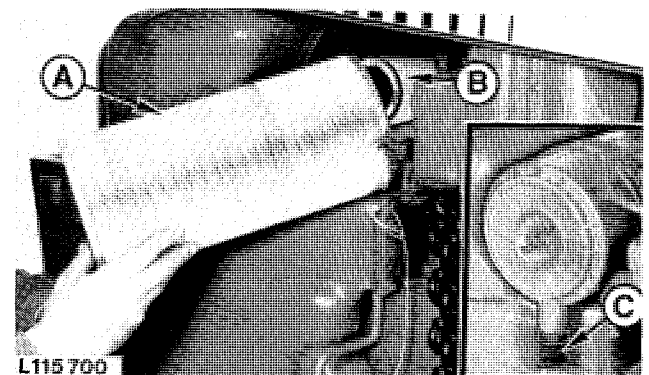
L110 231

L115183,L110231-LB71010AE-010487

CHECKING AIR CLEANER AND SAFETY ELEMENTS FOR CORRECT INSTALLATION

Make sure that dust unloading valve (C) (rubber cap) is installed on air cleaner.

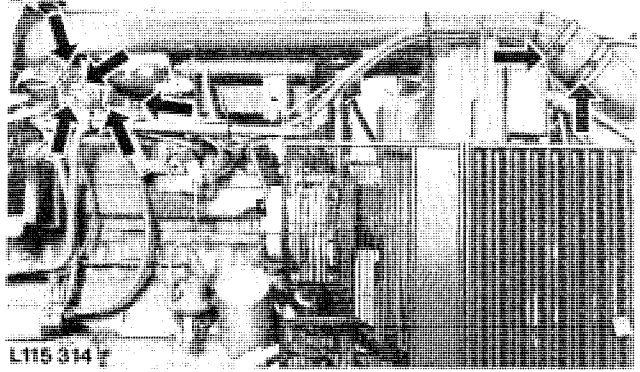
- A-Air cleaner element
- B-Safety element
- C-Dust unloading valve



L115 700

L115700-LB61010AE-011086

CHECKING HOSE CLAMPS OF AIR INTAKE SYSTEM FOR TIGHTNESS



L115 314

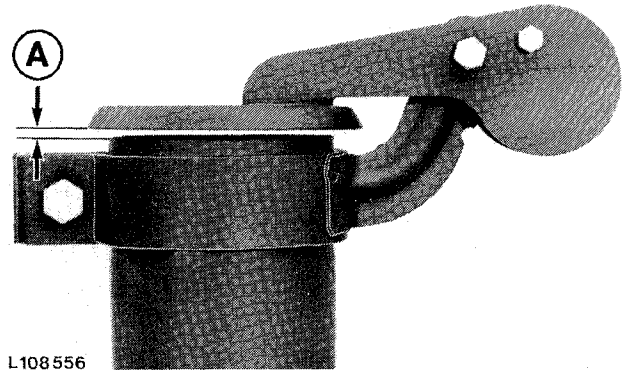
L115314-LB71010AE-010487

INSTALLING EXHAUST STACK

Up To Tractor Serial No. 629 372L

Install weather flap with flap hinge at the rear (as seen in direction of forward travel).

Distance (A) between cap and stack end must be 2 mm (5/64 in.).



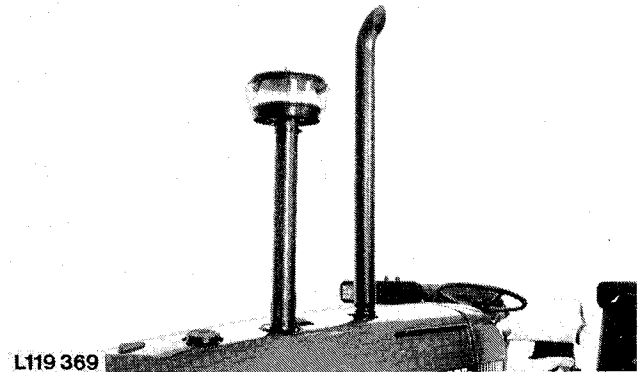
L108 556

L108556-LB21010AE-010488

From Tractor Serial No. 629 373L

Tractors with SOUND-GARD Body: Install exhaust stack with opening facing to the rear.

Tractors without SOUND-GARD Body: Install exhaust stack with opening facing to the left.



L119 369

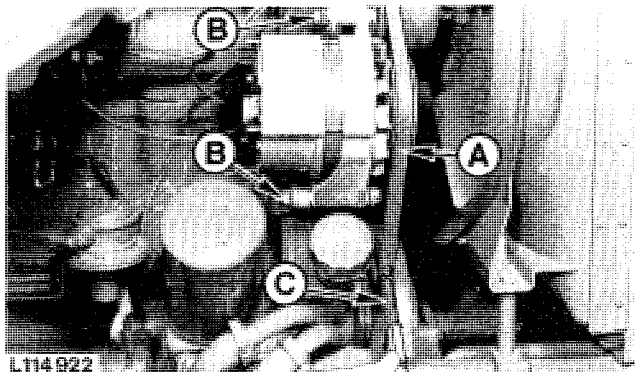
L119369-LB61010AE-010688

CHECKING FAN BELT TENSION

Using belt tension gauge JDST-28 (C) check tension of fan belt.

Fan belt should have 19 mm (3/4 in.) flex with 90 N (20 lb) pull midway between crankshaft and alternator or water pump.

A-Fan belt
B-Attaching nut
C-Belt tension gauge (JDST-28)



L114 922

L114922-LB21010AE-010886

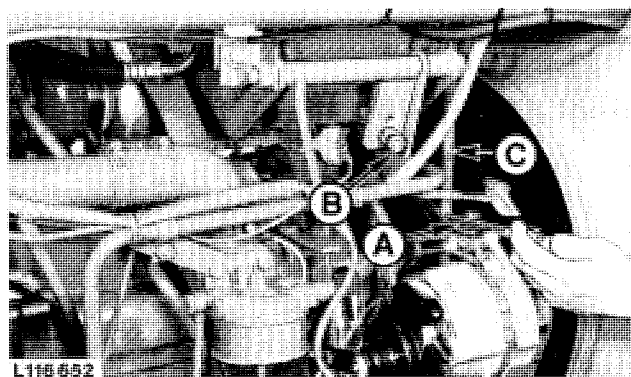
CHECKING COMPRESSOR BELT TENSION (Tractors With Air Conditioning System)

Using belt tension gauge JDST-28 (A) check compressor belt tension.

Compressor belt should have 19 mm (3/4 in.) flex with 60 N (13 lb) pull midway between both pulleys.

A—Belt tension gauge
(JDST-28)

B—Adjusting screw
C—Compressor belt



L116652-LB71020AE-010487

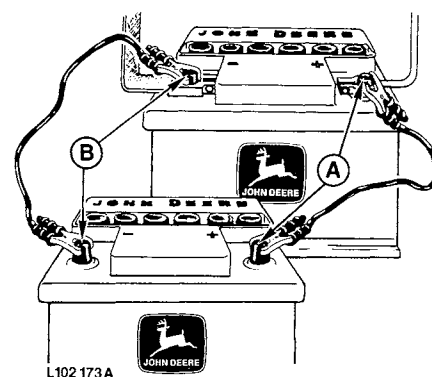
IMPORTANT NOTES

If a booster battery is to be used for charging and the tractor run for a short time without battery, do not, under any circumstances, interrupt the circuit by switching off the main switch before stopping the engine by means of the fuel pump shut-off cable. It is further recommended that additional loads (lights) be switched on while the engine is running. Do not run engine at speeds above 1000 rpm. Insulate battery end of disconnected starter cable properly to avoid damage to alternator and regulator.

Do not connect ground strap of booster battery to the SOUND-GARD Body.

Connect batteries or battery charger with the proper polarity (“+” and “-”). Incorrectly connected batteries will result in the immediate destruction of the rectifier diodes.

A—Positive terminals
B—Negative terminals



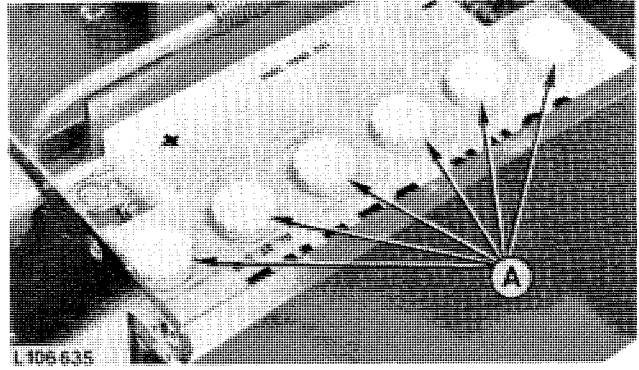
L102173A-LB71010AE-010487

CHECKING BATTERIES

Check battery terminals and cable ends and, if necessary, clean and coat them with petroleum jelly.

Check electrolyte level in each battery cell. If necessary, add distilled water to bring level above cell plates.

A-Filler caps

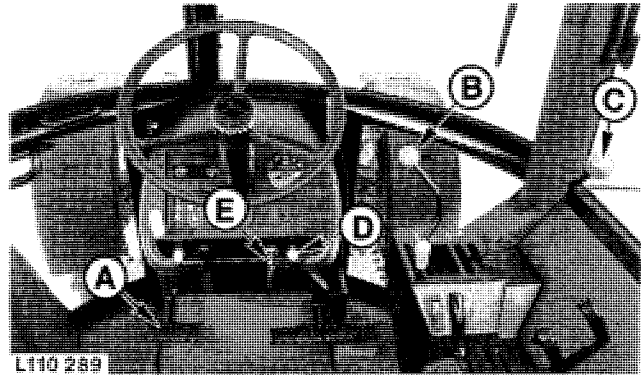


L106635

L106635-LA71010AE-091184

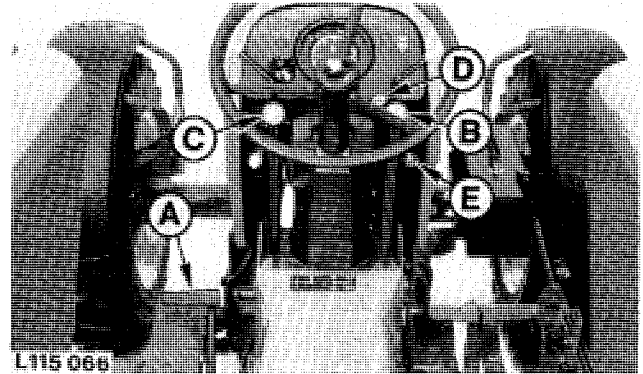
CHECKING NEUTRAL START SYSTEM

Depress clutch pedal (A).
 Move gear shift lever (B) to neutral position.
 Move range shift lever (C) to any range position.
 Pull out engine shut-off knob (D).
 Turn main switch (E) to start position.
 Starter should NOT crank.



L110 289

A-Clutch pedal
 B-Gear shift lever
 C-Range shift lever
 D-Engine shut-off knob
 E-Main switch



L115 066

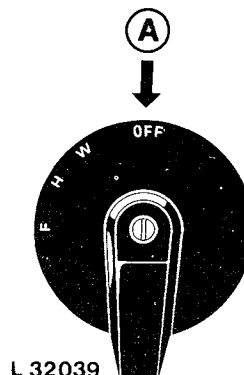
L110289,L115066-LB71010AE-010487

CHECKING LIGHTING SYSTEM

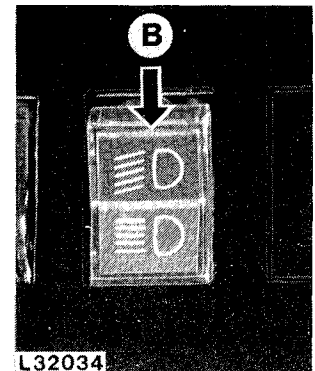
See Operator's Manual.

Check adjustment of headlights and adjust, when necessary.

A-Light switch
 B-Dimmer switch



L 32039



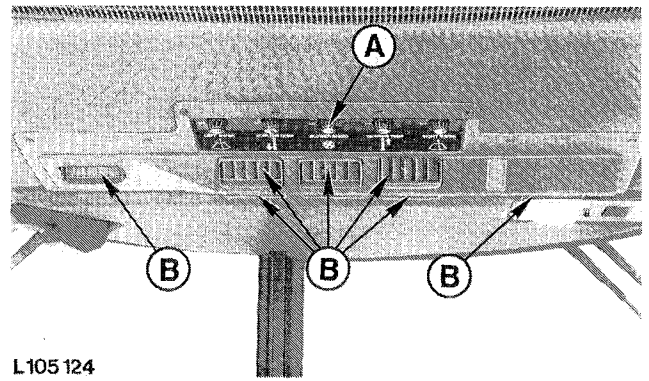
L32034

L32039,L32034-LB61010AE-011086

CHECKING FAN SWITCH (With SOUND-GARD Body)

Open air louvers (B).

Check function of three-stage cab ventilation and heater fan switch (A).

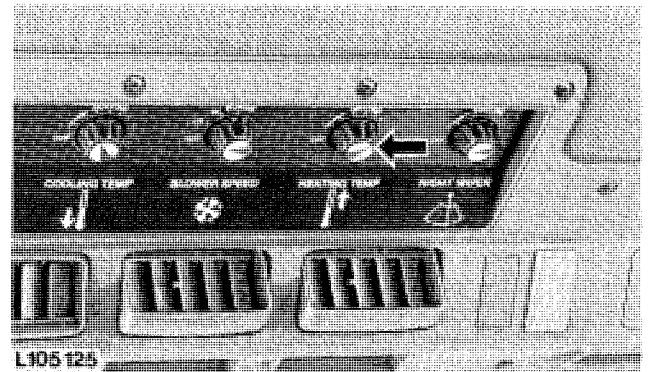


L105 124

L105124-LB61010AE-011086

CHECKING HEATER CONTROL SWITCH (With SOUND-GARD Body)

With engine running at operating temperature, turn control switch to the right and wait until warm air enters cab through the air louvers.

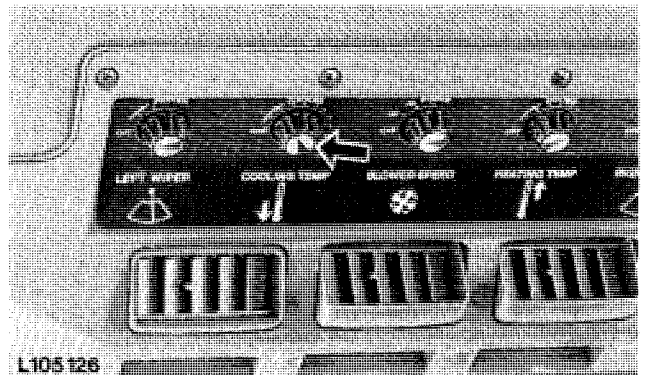


L105 125

L105125-LB61010AE-011086

CHECKING THERMOSTAT SWITCH (Tractors With Air Conditioning System)

With fan switched on, turn infinitely adjustable switch to the right and wait until cool air enters cab through the air louvers.



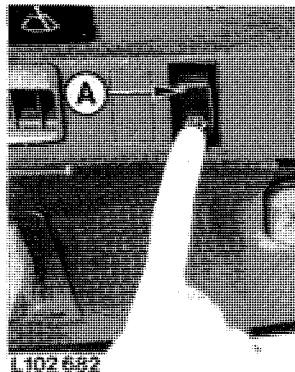
L105 126

L105126-LB61010AE-011086

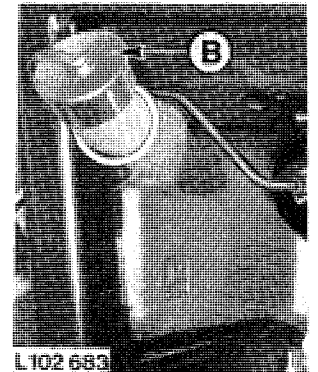
CHECKING WINDSHIELD WASHER SYSTEM (With SOUND-GARD Body)

Operate tumbler switch (A) of washer system.

Add a suitable commercially available anti-freeze solution to reservoir (B) if temperature is likely to drop below freezing point.



L102 682

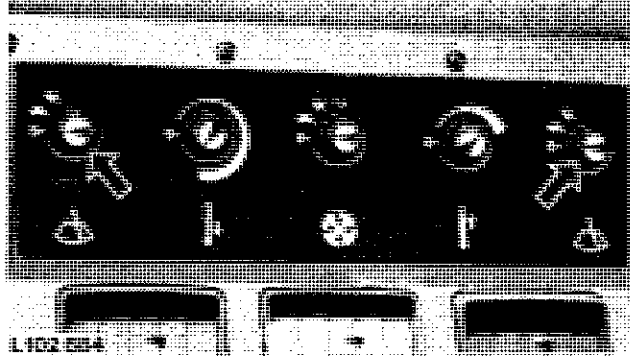


L102 683

L102682,L102683-LB61010AE-011086

CHECKING FUNCTION OF WINDSHIELD WIPERS (With SOUND-GARD Body)

Check both windshield wiper speeds by turning both two-speed switches.

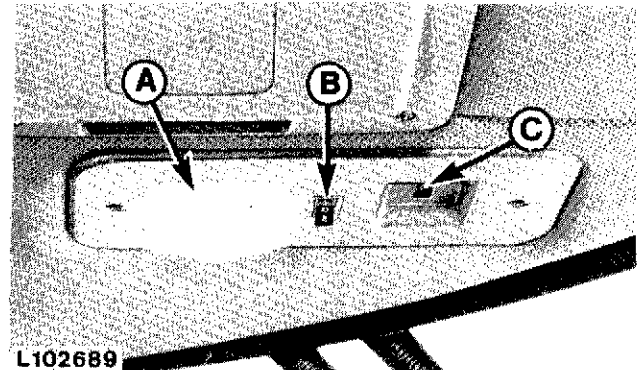


L102684-LB61010AE-011086

CHECKING CAB INTERIOR LIGHTS (With SOUND-GARD Body)

Turn switch (B) to position 1, lamp (A) glows continuously and, in position 2, it glows as long as cab door is open.

Lamp (C) illuminates transmission shift lever as soon as headlights are switched on.



L102689-LB61010AE-011086

CHECKING INSTRUMENTS AND INDICATOR LIGHTS

See Operator's Manual.

INSPEK-LB21010FE-010886

CHECKING TRANSMISSION/HYDRAULIC SYSTEM OIL LEVEL

IMPORTANT: Check oil level. Check prior to starting engine after long shut-down period when oil is cold.

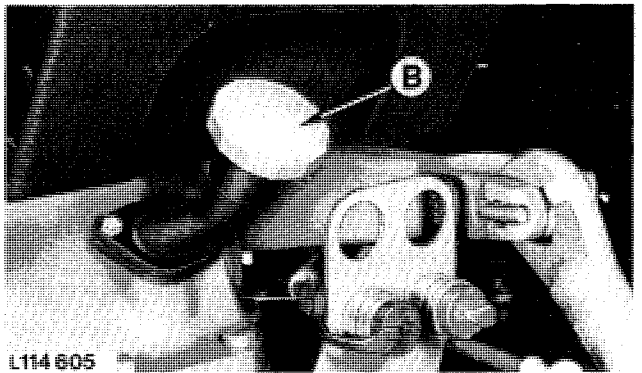
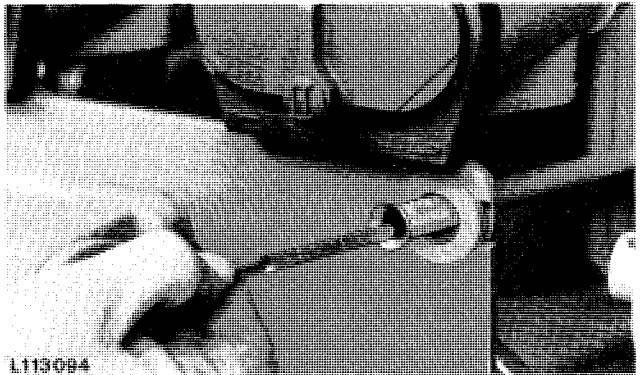
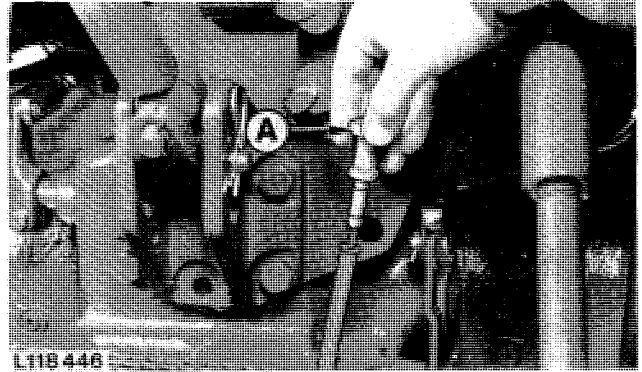
Park tractor on level ground. Completely lower rock-shaft. Remove dipstick (A) and wipe clean. Reinsert dipstick, again remove and check oil level.

NOTE: If oil level is below top mark, top up with oil to bring level up to top mark on dipstick through filler neck (B).

IMPORTANT: After having topped up transmission with oil, wait for a period of five minutes before rechecking oil level with dipstick.

If necessary, add JOHN DEERE HY-GARD® Transmission and Hydraulic Oil or equivalent (see Group 15) to bring oil level to top mark on dipstick.

NOTE: Types of oil not meeting JOHN DEERE specifications will not give satisfactory service and may result in eventual damage.

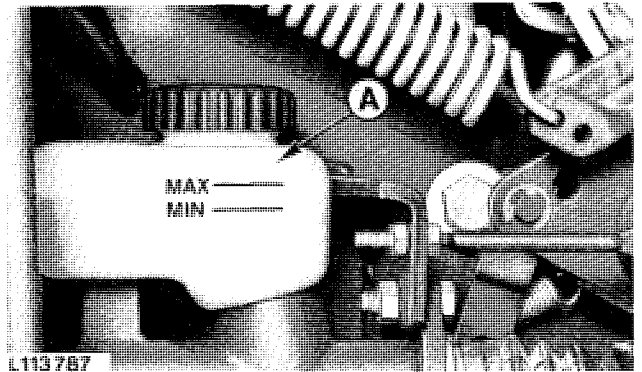


L118446,L113094,L114605-LB71010AE-011088

CHECKING LEVEL OF BRAKE FLUID (With Hydraulically Operated Clutch)

Level of fluid should be between the marks "MIN" and "MAX". When necessary add brake fluid type FMVSS 116 DOT 4.

A-Reservoir



L113787-LB61010AE-000688



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