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TEREX®

SHOP MANUAL

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Light Capability Rough Terrain Forklift (LRTF)

TX 51-19MD

CONTRACT NO. M67854-10-D-5074



From serial n. ***657769***
To serial n. ***xxxxxx***

PCN 500 091352 00

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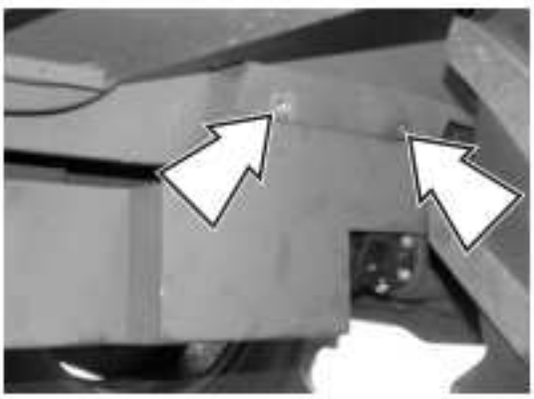
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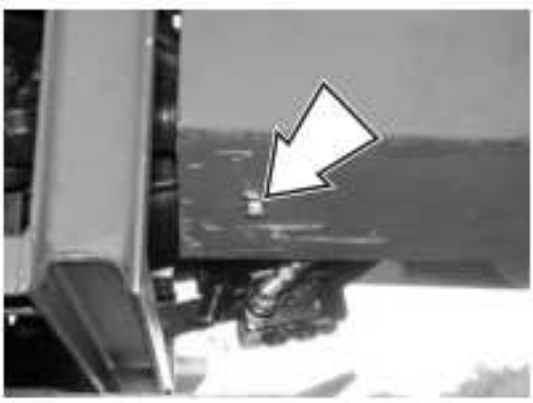
13.10 OIL TANK

DISASSEMBLY

Follow the procedures listed below to disassembly the oil tank.

1. Remove the drive shaft protection cover by using a 13 mm wrench to loosen the four locking screws.



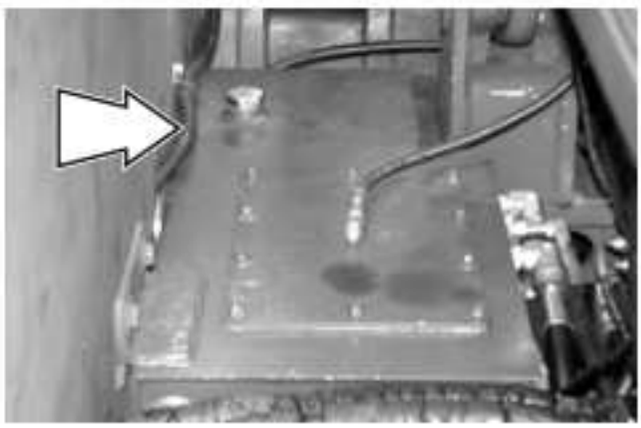


2. Carefully clean the area around the drain plug of the oil tank.





4. Place suitable container under oil tank drain plug.
3. Using a 32 mm wrench remove the drain plug and allow the oil to completely drain.
4. Close the oil valves.
5. Using a 32 mm and 36 mm wrench disconnect the valve.
6. Disconnect the three side flexible hoses by using a 22 mm – 27 mm and 32 mm wrench.



7. Disconnect the electrical wire from the sending unit.
8. Use a 38 mm and a 50 mm wrench to disconnect the flexible hoses under the valve.
9. Disconnect the hose clamp of the filler extension by using a 10 mm wrench.
10. Remove the tank vent line.
11. Place a pallet with shims under the tank to support its weight.

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16.0 TROUBLESHOOTING GUIDE

This section provides troubleshooting and schematic for the electrical and hydraulic system.
There are three troubleshooting charts one for General, Electrical and Hydraulic. These charts are of general nature, but should provide an intuitive feeling for a specific system. Knowing the system is the greatest aid to troubleshooting. Every component has a purpose in the system. The construction and operating characteristics of each one should be understood. Know the capabilities of the system. Each component in the system has a maximum rated speed, torque or pressure. Loading the system beyond the specification increases the possibility of failure. Know the correct operating pressures. Always set and check pressures with a gauge that is know to be accurate.

16.1 GENERAL TROUBLESHOOTING

FAULT	CAUSE	SOLUTION
The hydraulic oil Thermometer does not function	This is normal, when the outside temperature is low and / or the machine is used for short periods, since the hydraulic oil cannot warm up over 40-50°C	
	The oil temperature bulb is damaged.	Check and replace the bulb
High temperature of the Engine coolant	Water level in the overflow tank	Check and, if necessary, refill
	The temperature bulb is defective	Change bulb
	The dashboard manometer is defective	Change
Low hydraulic oil level	Oil Leaks	Refill
High hydraulic oil temperature	The radiator grill is dirty	Clean the grill regularly
Low engine performance	The air filter is dirty	Clean the air filter regularly
The steering column Response is slow or noisy	Joints are damaged	Change the joints
	The spiders of the driving shaft are damaged	Change the spiders
The differential is noisy and its body temperature is high	No Oil	Check and refill
	Bearing are damaged	Change the bearings as per HURTH instructions.
Oil leaks from axles and/or gearbox	Seals are worn	Change as per HURTH instructions

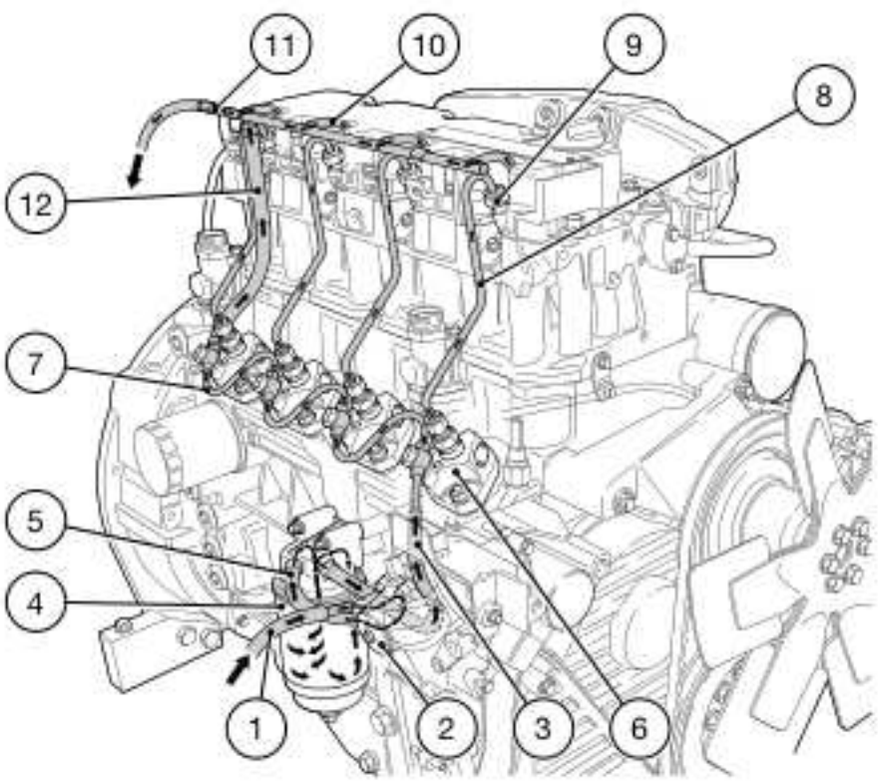
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2.4 Fuel System Schematic

2.4.1 Fuel System

1 Fuel line from tank to fuel pump
2 Fuel pump
3 Fuel line from fuel pump to easy-change fuel filter
4 Easy-change fuel filter
5 Fuel line from filter to injection pump
6 Injection pump
7 Fuel distributor line
8 Injection line
9 Injection valves
10 Fuel leakage line
11 Fuel overflow pipe
12 Fuel return line to tank

The installation of a fuel pre-filter/hand pump between the fuel tank and the engine is prescribed to protect the engines against dirt in the fuel.



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3B6 LOAD MOMENT INDICATOR (LMI)
TX 51-19MD USMC TELEHANDLER

USER AND ACCURACY VERIFICATION MANUAL



CE

Complies to the MACHINES DIRECTIVE Standards: EN60204-1, EN954, EN12077-2
EMC according to the " Heavy Industrial Environment" category: EN50081-2, EN50082-2

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9. Insert the pin holding coupling to the boom mask and the pin attaching the tilt cylinder.





10. Reconnect the hydraulic hoses to the boom.



11. Start the engine and function boom to check for leaks.

14.2 TILT CYLINDER REPLACEMENT

1. Position the machine on a hard level surface.
2. Remove the pin holding coupling to boom mask and the pin attaching the tilt cylinder.



3. Unplug quick disconnect hoses.



4. Tag and remove hoses from holding valve.



5. Attach adequate lifting device, to tilt cylinder, carefully remove pin from top of boom head.



6. When removing tilt cylinder use caution not to damage holding valve.

DO NOT DISASSEMBLE ANY COMPONENT(S) DURING WARRENTY PERIOD WITHOUT CONTACTING TEREXLIFT.

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