



Service Repair Manual

Models

963 TRACK LOADER

Product: TRACK LOADER

Model: 963 TRACK LOADER 21Z

Configuration: 963 LGP TRACK LOADER 21Z00001-UP (MACHINE) POWERED BY 3304 ENGINE

Disassembly and Assembly 963 TRACK-TYPE LOADER

Media Number -SEN2284-00

Publication Date -01/07/1981

Date Updated -11/10/2001

Engine Oil Cooler

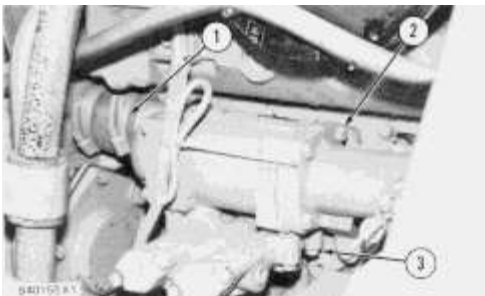
SMCS - 1264-15; 1264-16

Remove And Install Engine Oil Cooler

start by:

a) remove oil filter element

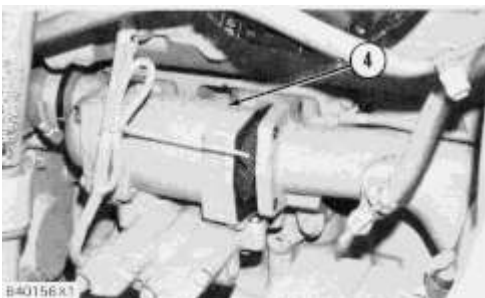
1. Drain the coolant from the engine.

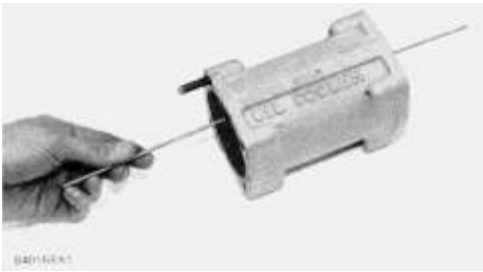


2. Loosen clamp (1).

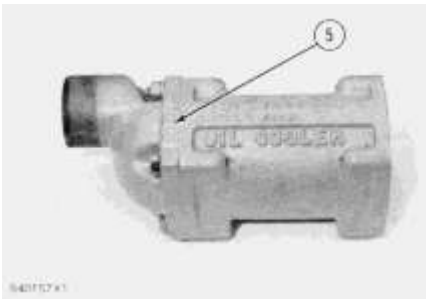
3. Remove four bolts (2) that hold the oil cooler to the water pipe.

4. Remove four bolts (3) that hold the oil filter base to the oil cooler.



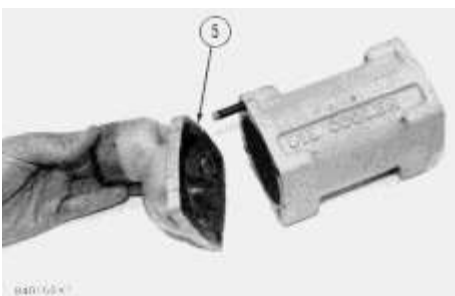


5. Move the oil cooler (4) up and away from the engine.

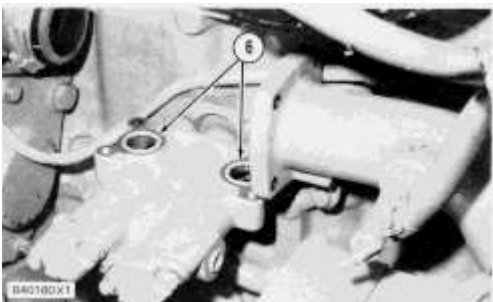


6. Remove the nut (one) and bolts (three) that holds the cover (5) to the oil cooler body.

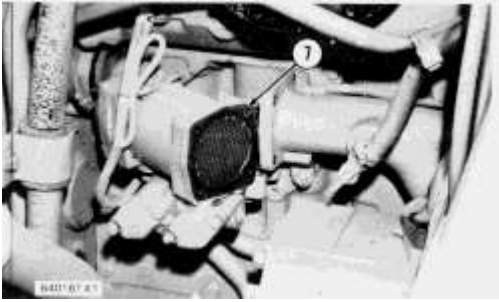
7. Clean the tubes of the engine oil cooler with a 4 mm (.157 in.) diameter rod.



8. Inspect the gasket and make a replacement if necessary. Put cover (5) on oil cooler body and install nut (one) and bolts (three).



9. Put O-ring seals (6) on oil filter base.



10. Inspect gasket (7) and make a replacement if necessary. Put oil cooler into hose and move oil cooler toward engine.

11. Install the bolts (2) that hold the oil cooler to the water pipe.

12. Fill the cooling system with coolant to the correct level. See the MAINTENANCE GUIDE.

end by:

a) install oil filter element

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Oil Filter Base

SMCS - 1306-15; 1306-16

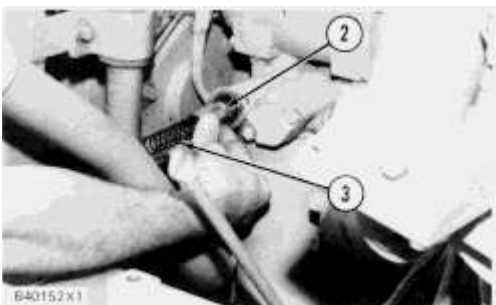
Disassemble Oil Filter Base



WARNING

Cover (1) is under spring tension.

1. Remove cover (1) for the oil cooler bypass valve.



2. Remove oil cooler bypass plunger (2) and spring (3).

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