



Service Repair Manual

Models

D9L TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D9L TRACK-TYPE TRACTOR 14Y

Configuration: D9L TRACTOR 14Y00001-UP (MACHINE) POWERED BY 3412 ENGINE

Disassembly and Assembly 3408E and 3412E Engines for Caterpillar Built Machines

Media Number -SEN1013-11

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i01101057

Aftercooler - Install

SMCS - 1063-012

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: There are several possible configurations of the aftercooler. The following procedure illustrates a typical example.

Note: The following procedure was performed on a 3408E engine. However, the process for the 3412E engine is very similar.

Note: Check the condition of the gaskets and the O-rings. If the gaskets or the O-rings are worn or damaged, use new parts for replacement.

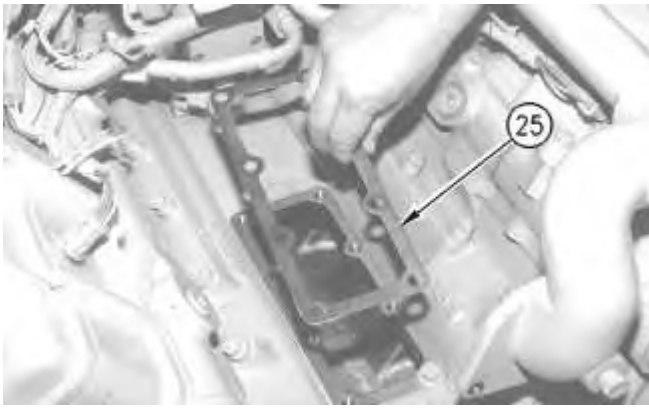


Illustration 1

g00579418

Typical example

1. Install gasket (25) for the aftercooler housing, if the gasket was removed .

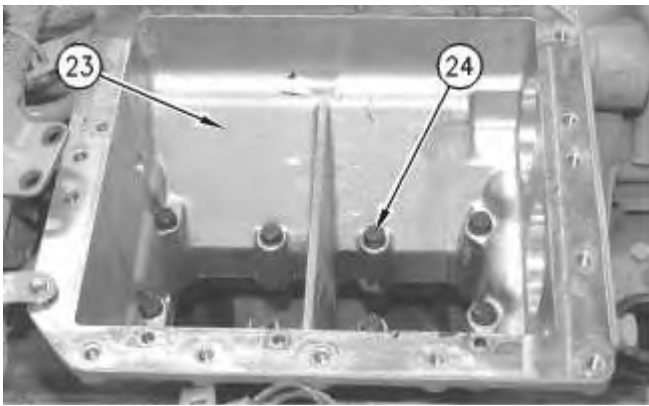


Illustration 2

g00579413

Typical example

2. Install aftercooler housing (23), if the housing was removed.
3. Install bolts (24) and the washers.



Illustration 3

g00579412

Typical example

4. Install O-ring seals (22).
5. Lightly lubricate the bores of the aftercooler housing and O-rings (22) with glycerin.
6. Install aftercooler core (21). Use the lifting brackets on the aftercooler core and a suitable lifting device.

The weight of the aftercooler core assembly is approximately 26 kg (57 lb).

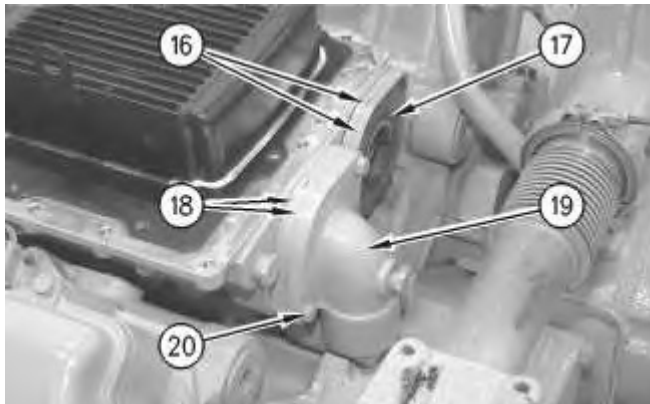


Illustration 4

g00579409

Typical example

7. Install adapters (16) and O-ring seal (17).
8. Install adapters (18) and the O-ring seal.
9. Install elbow (19) with bolts (20).



Illustration 5

g00579407

Typical example

10. Install bolts (15) and the washers.
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Illustration 6

g00579404

Typical example

11. Install aftercooler cover (14).
12. Install clips (12), bracket (11), and bolts (13).
13. Install elbow (10) with bolts (9) and the O-ring seals.

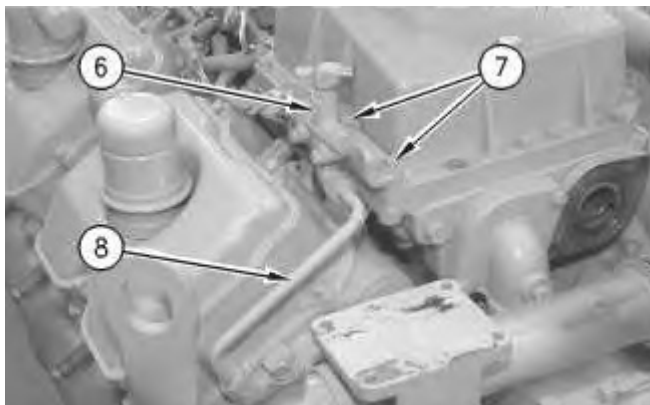
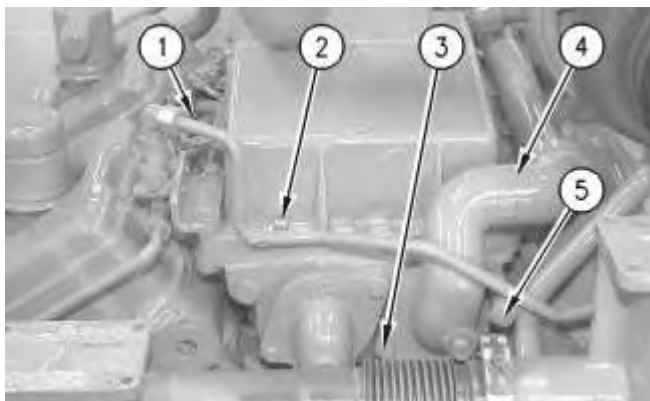


Illustration 7

g00579403

Typical example

14. Install relief valve housing (6) with bolts (7).
15. Connect fuel line (8).



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