

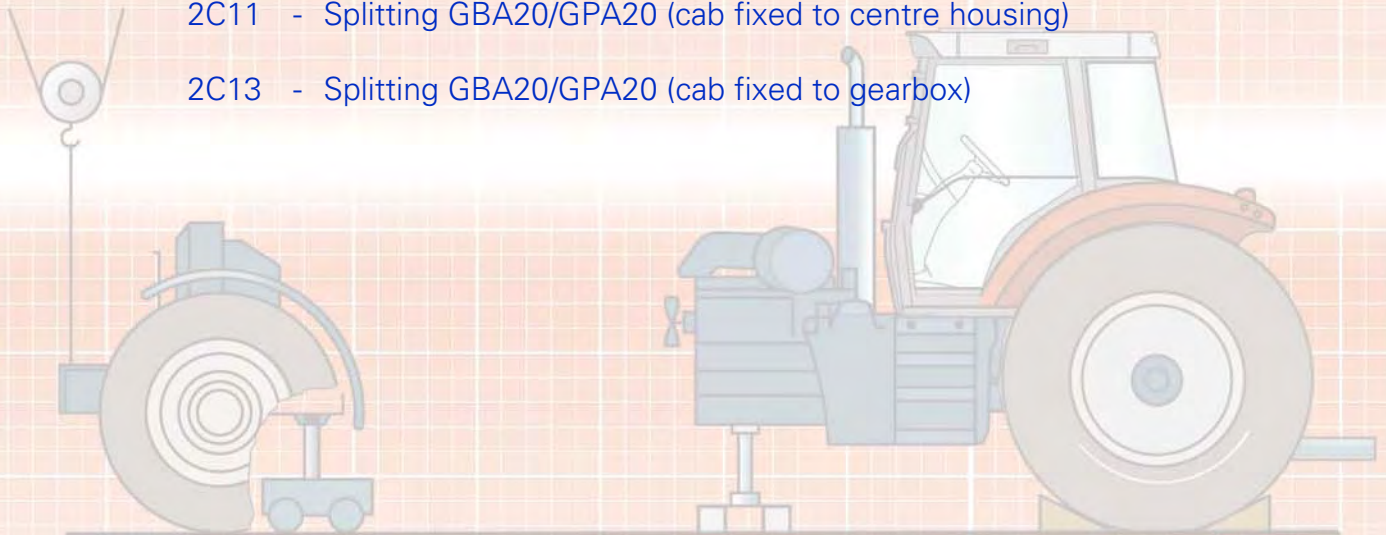


02 - Splitting the tractor

5400

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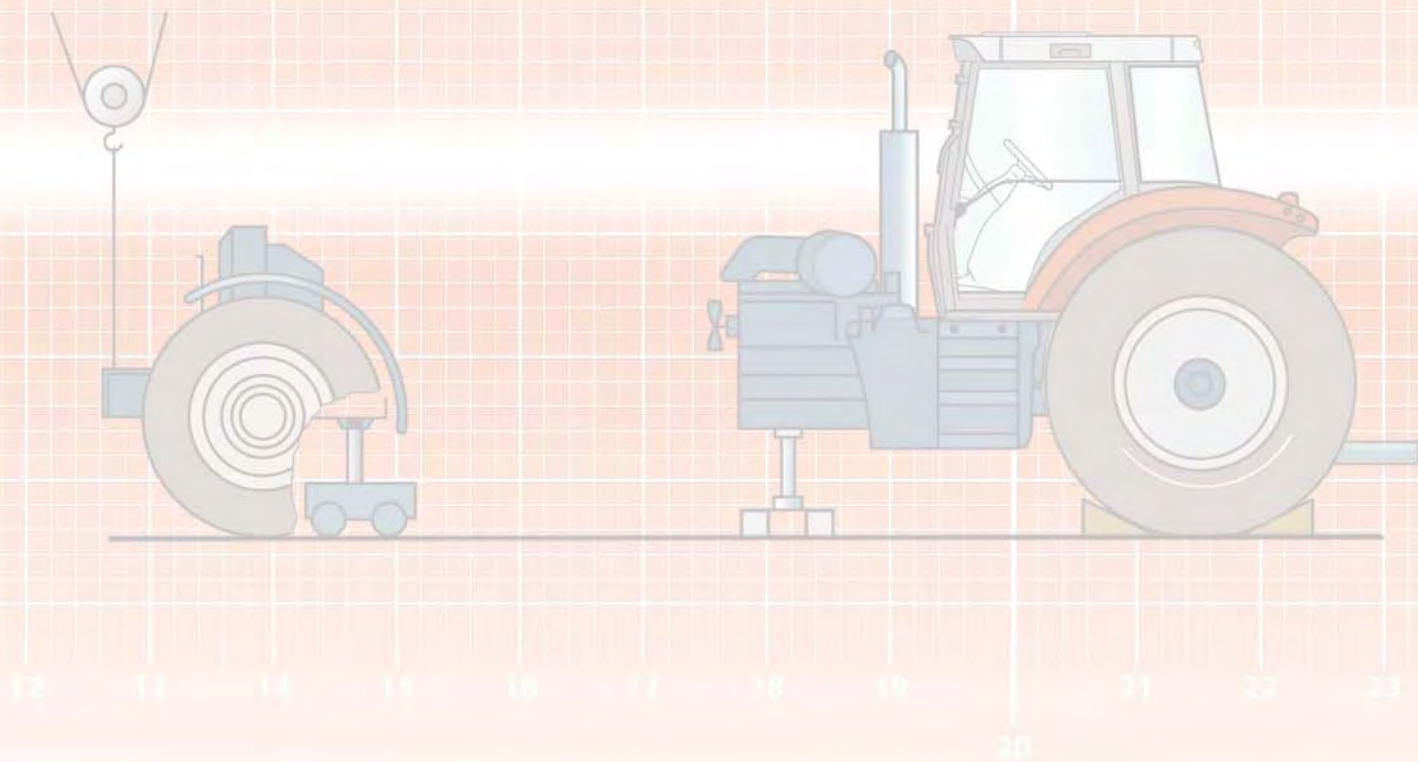


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Splitting the tractor



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2A10- Splitting - Front frame / Perkins engine

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Splitting - Front frame / Perkins engine

A . General

The front frame and the engine must be separated when each of the assemblies needs to be replaced, or when servicing is necessary on one of the mechanical elements located at the front of the engine.

IMPORTANT: *This section describes a general disassembly procedure. Before and during separation, check that all connections between the fixed assembly and mobile assembly have been disconnected.*

Splitting - Front frame / Perkins engine

B . Disassembly and reassembly (6-cylinder Perkins engine)

Preparation

1. Apply the hand brake.
2. Remove the side panels from each side of the engine and bonnet

Operations under the tractor

3. Remove the guard and the 4WD transmission shaft (if fitted).

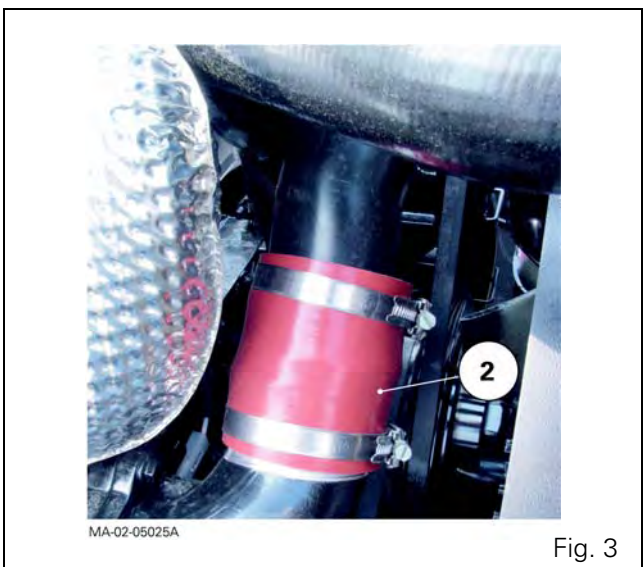
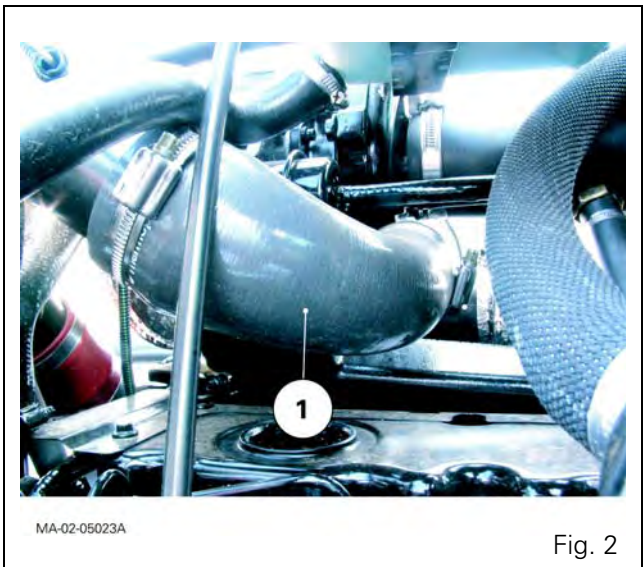
Operations on the right-hand side of the tractor

4. Disconnect the batteries.
5. Mark then disconnect:
 - the differential lock hose on the front axle,
 - the supply hose on the steering ram,
 - the lubrication hoses (running to and from the cooler) (Fig. 1).

Remove the protective grille close to the radiator.
Disconnect the air sleeve (1) (turbo outlet) from the cooling sleeve (Fig. 2).

Operations on the left-hand side of the tractor

6. Mark and disconnect the supply hose on the steering ram.
7. Disconnect the air sleeve (2) (inlet on inlet manifold) from the cooling sleeve (Fig. 3).



Splitting - Front frame / Perkins engine

Draining the cooling system

8. Unscrew the fin plug located on the left-hand side and front of the radiator. Drain the liquid into a clean container.



DANGER: If the engine is hot, gradually loosen the expansion tank plug before removing it in order to drive out the pressure from the system.

9. Disconnect the lower hose (1) and the hose (2) linking the expansion tank to the base of the radiator (Fig. 4).

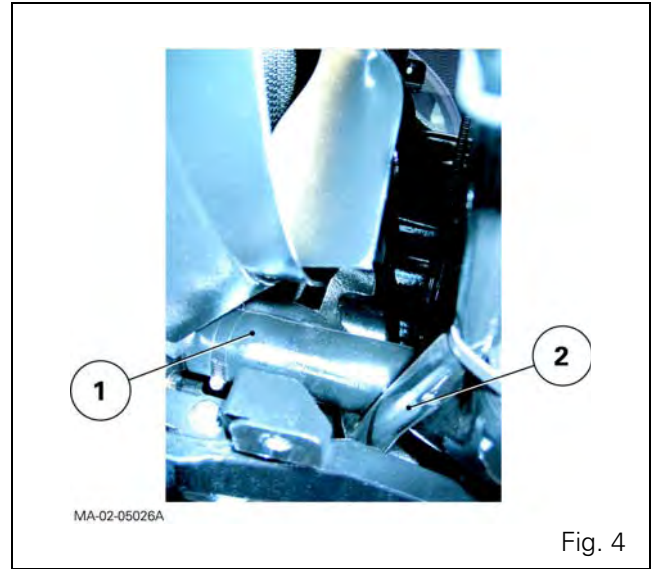


Fig. 4

Operations above the engine

10. Disconnect the upper hose (1) (Fig. 5).

Operations at the front of the tractor

11. Remove the weights (if fitted).
12. Detach the air conditioning compressor, the condenser and the filter from their respective supports. Carefully remove them from the engine, without opening up the system (see chapter 12).
13. Mark and disconnect the electrical harnesses inside the grille.
14. Disconnect the air sleeves (3) and (4) on the air cooler located inside the grille (Fig. 6).

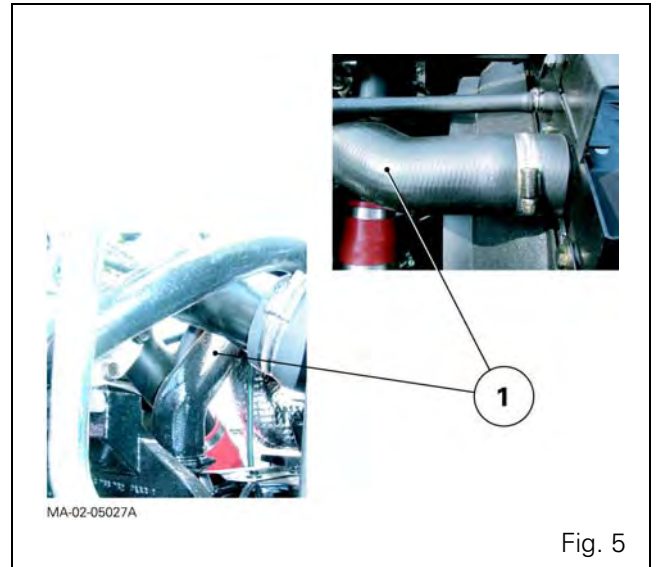


Fig. 5

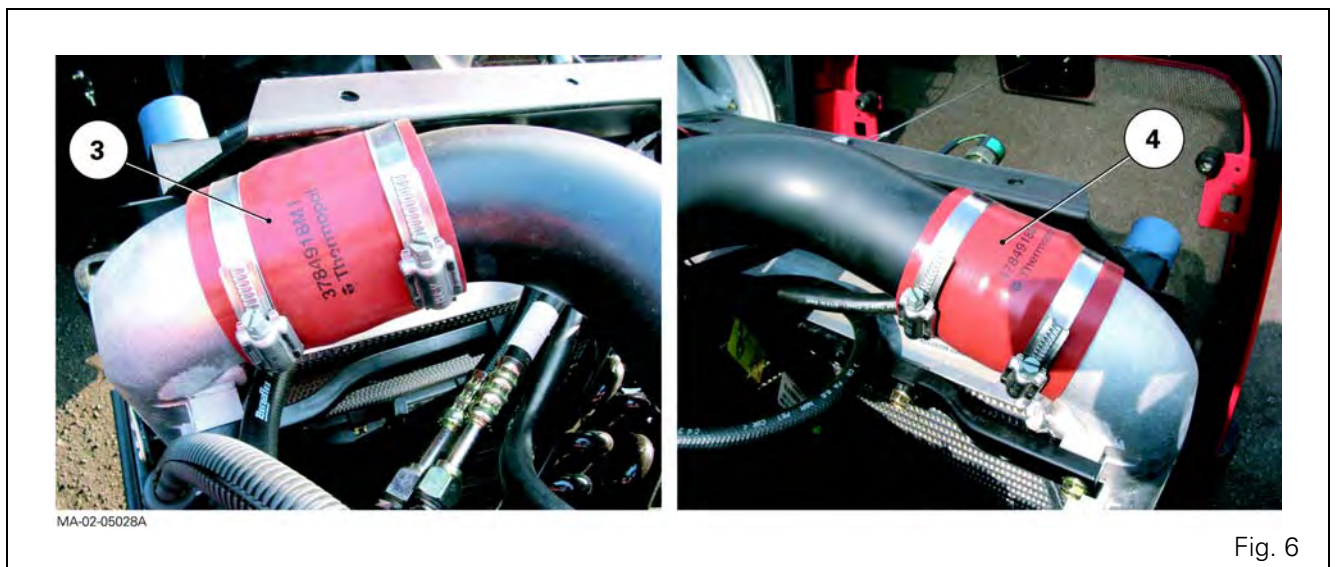


Fig. 6