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**This section explains how to disassemble:**

- A) Power steering tank**
- B) Power steering radiator**
- C) Power steering system pipes**



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## A) Disassembling The Power Steering Tank

### Preliminary operations

- Remove the left side panel in the engine compartment (081303).

### Disassembling the tank



Empty the power steering oil tank (042307).

- Loosen the 3 screws (A-Fig.1) that secure the bracket to the chassis.
- Remove the 2 clamps (B-Fig.1) and disconnect the relevant oil pipes.
- Remove the power steering tank (C-Fig.1).

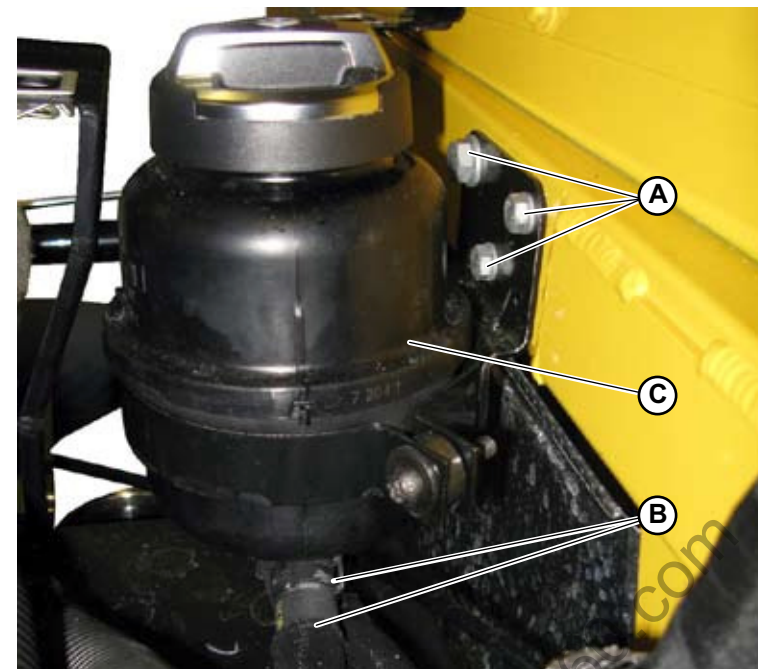


Fig.1



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## B) Disassembling The Power Steering Radiator

### Preliminary operations

- Lift the vehicle on the car lift (000000).
- Remove the front wheels (060103).
- Disassemble the front stone guards (082103).
- Disassemble the front lock cover (080603).
- Remove the front car floor (082503).
- Remove the front bumper (080703).

### Disassembling the radiator



Place a container underneath the radiator to recover the power steering oil.

1. Remove the 2 clamps from the power steering oil radiator pipes (A-Fig.5) and remove the pipes.



Wait for the oil in the power steering radiator to empty.

2. Disengage the radiator (B-Fig.6) from the frame by loosening the 2 fixing screws (C-Fig.6).

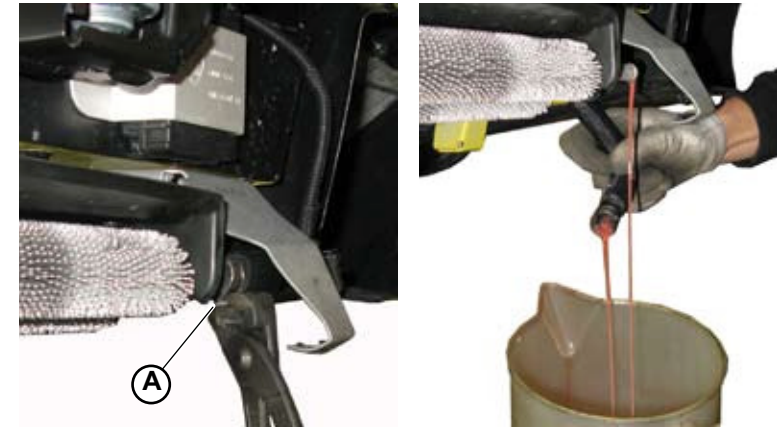


Fig.2

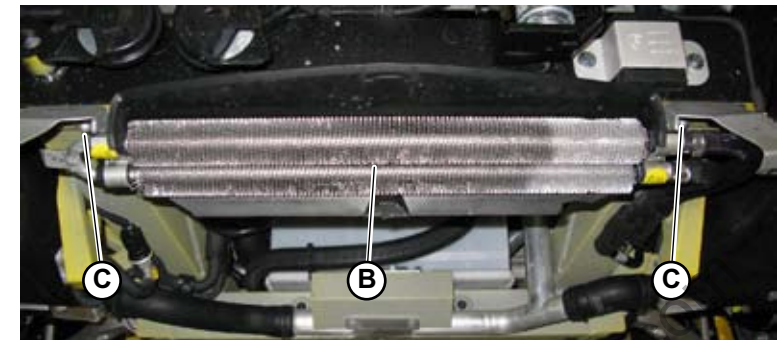


Fig.3



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To remove the air conveyor panel, loosen the 2 screws (**D-Fig.7**).

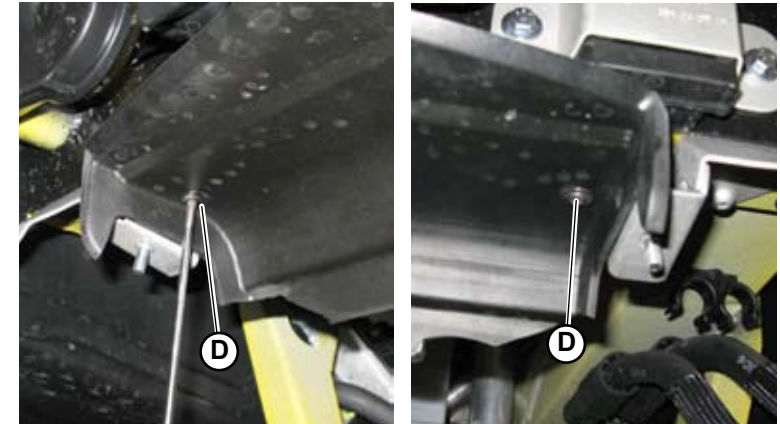


Fig.4



To remove the 2 mounting brackets (**E-Fig.8**) of the conveyor, unscrew the 4 screws (**F-Fig.8**) (2 screws per bracket).



Fig.5

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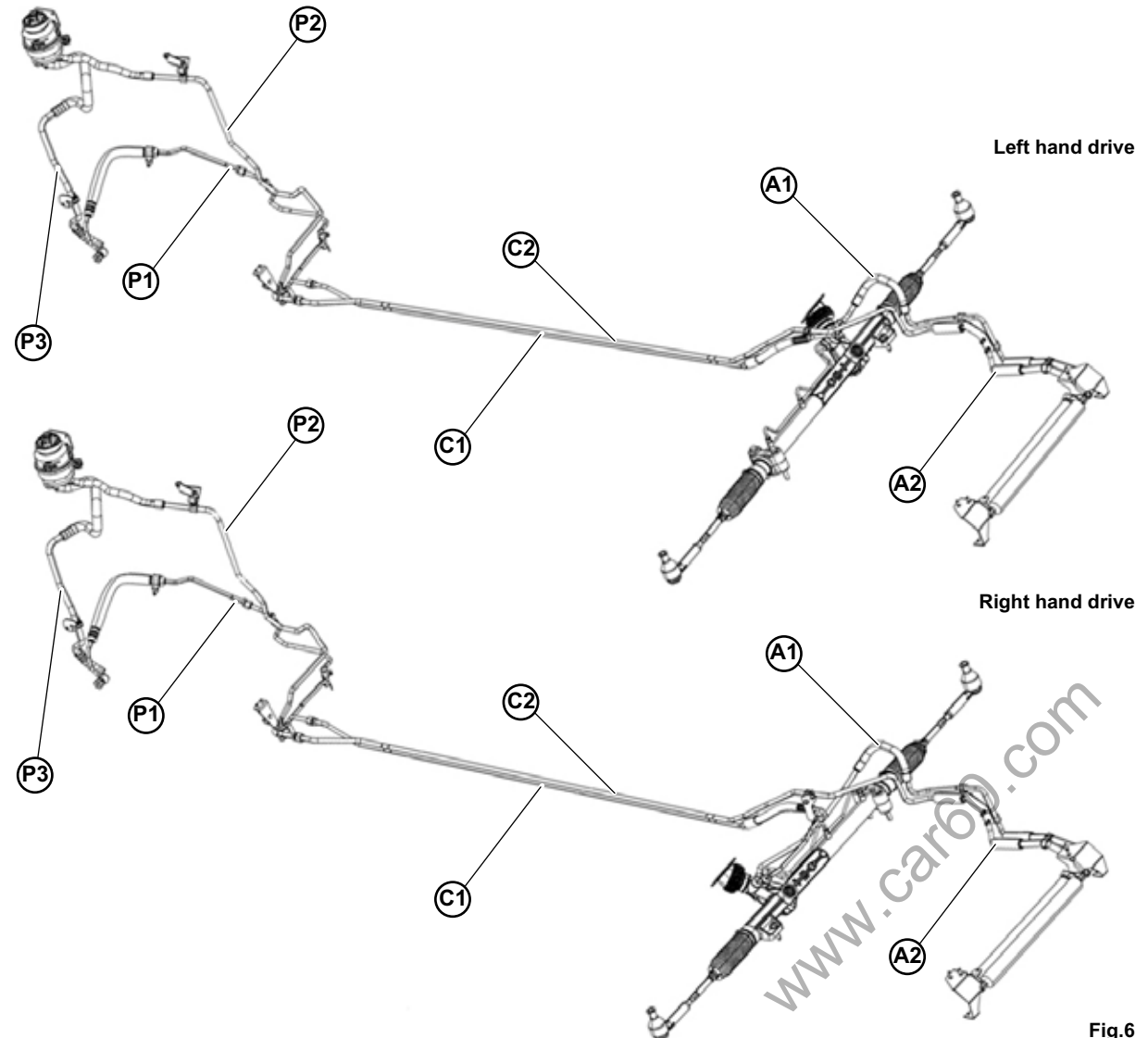
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### C) Disassembling the power steering circuit pipes

The gearbox oil circuit is grouped as follows (**Fig.6**):

- |            |                       |
|------------|-----------------------|
| <b>A1.</b> | Front delivery pipe   |
| <b>A2.</b> | Front return pipe     |
| <b>C1</b>  | Central delivery pipe |
| <b>C2</b>  | Central return pipe   |
| <b>P1.</b> | Rear delivery pipe    |
| <b>P2.</b> | Rear return pipe      |
| <b>P3.</b> | Rear return pipe      |







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## **DISASSEMBLING THE FRONT PIPES**

### **Preliminary operations**

- Disassemble the luggage compartment tray **(080603)**.
- Disassemble the battery **(091503)**.
- Disassemble the front tyres **(060103)**.
- Disassemble the front wheel arches **(082103)**.
- Remove the front bumper **(080703)**.
- Disassemble the front and centre vehicle floors **(082503)**.
- Disassemble the propeller shaft **(030703)**.
- Disassemble the front differential **(040903)**.
- Empty the power steering circuit **(042307)**.

### **Disassembling the A1 and A2 power steering circuit pipes**



Position a suitable container to collect any residual power steering oil.

1. Loosen the 2 screws **(A-Fig.7)** securing the air conveyor to the left cooling circuit radiator.
2. Loosen the 2 top screws **(B-Fig.7)** to release the left cooling circuit radiator; if necessary, also loosen the 2 bottom screws.
3. Cut the two clamps **(C-Fig.8)** to disconnect the power steering circuit pipes **A1** and **A2** from the radiator.

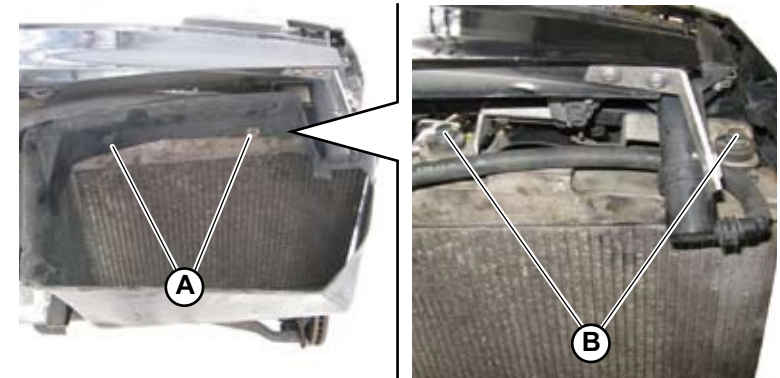


Fig.7

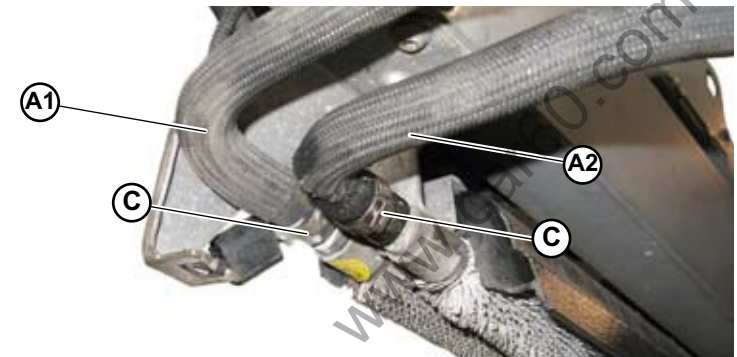


Fig.8



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4. Loosen the specific screws (**E-Fig.9**) to release the 2 clamps fixing the power steering circuit pipes to the chassis (**D-Fig.9**).

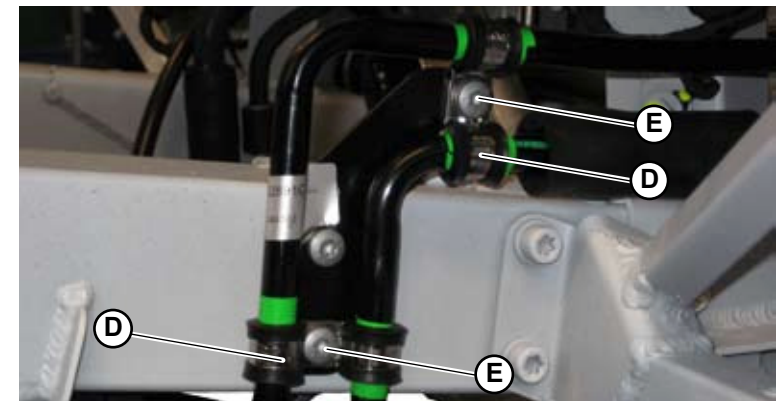
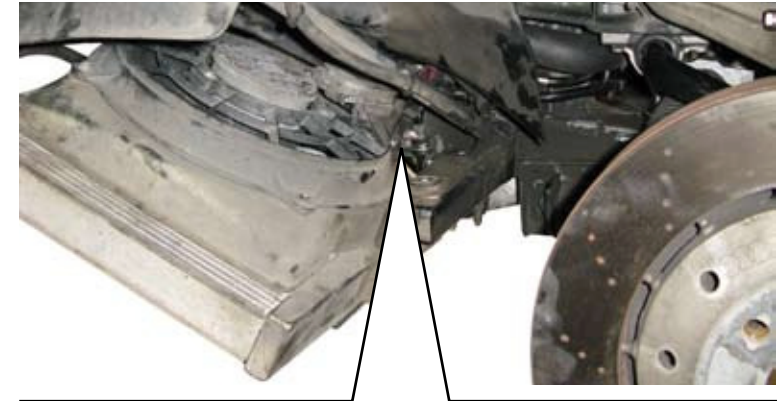


Fig.9

5. Release the two front water cooling system pipes (**F-Fig.10**).



Fig.10



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#### 6. Right hand drive only:

Loosen the screw (H-Fig.11) to release the clamp (G-Fig.11) located on the bracket securing the A1 front delivery pipe and C1 central delivery pipe.

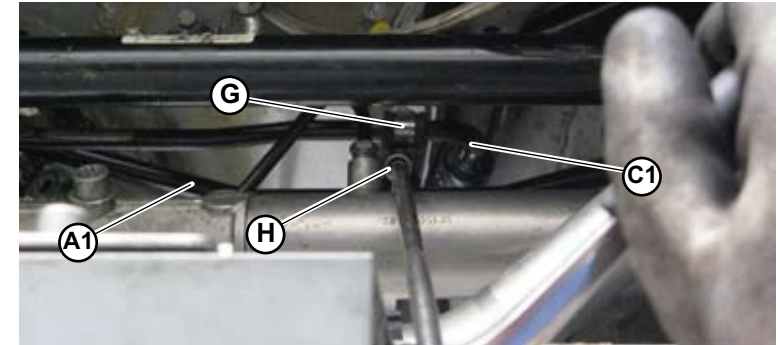
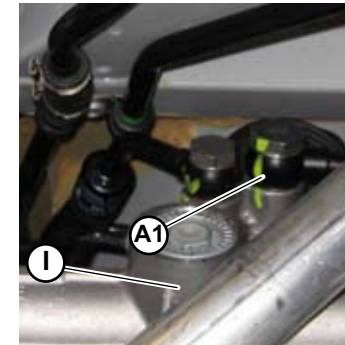


Fig.11

#### 7. Disconnect the A1 front delivery pipe connection from the rack (I-Fig.12).

Left hand drive



Right hand drive

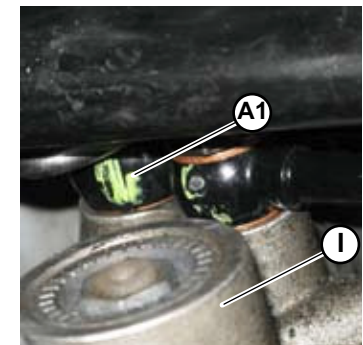


Fig.12

#### 8. Disconnect the A2 front return pipe connection from the C2 power steering circuit central return pipe (J-Fig.13).

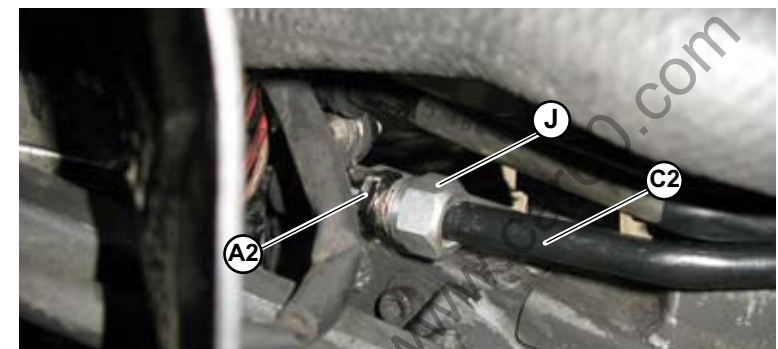


Fig.13



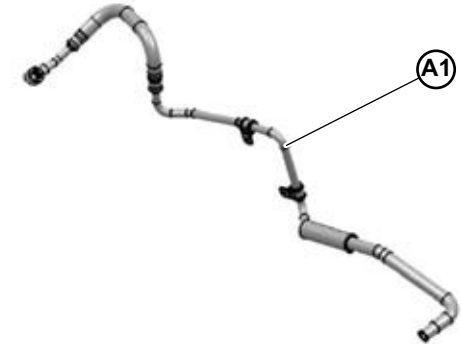


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9. Remove and extract the front **A1** and **A2** power steering circuit pipes (Fig.14).

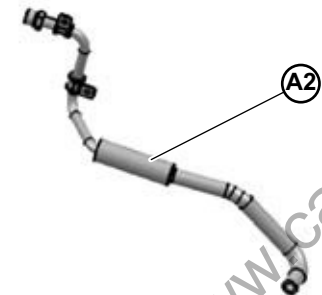
Left hand drive



Right hand drive



Left-Right hand drive



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Fig.14



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## DISASSEMBLING THE CENTRAL PIPES

### Preliminary operations

- Disassemble the luggage compartment tray **(080603)**.
- Disassemble the battery **(091503)**.
- Disassemble the front, centre and rear vehicle floors **(082503)**.
- Disassemble the propeller shaft **(030703)**.
- Disassemble the front differential **(040903)**.
- Disassemble the front and central cooling circuit pipes **(012103)**.
- Empty the power steering circuit **(042307)**

### Disassembling the C1 and C2 power steering circuit pipes



Position a suitable container to collect any residual power steering oil.

1. Unscrew the nut **(A-Fig.15)** to disconnect the **A2** front return pipe connection from the **C2** power steering circuit central return pipe.
2. Loosen the screw **(C-Fig.16)** to release the clamp **(B-Fig.16)** securing the **C2** power steering circuit central return pipe and the brake vacuum pump pipe to the chassis.

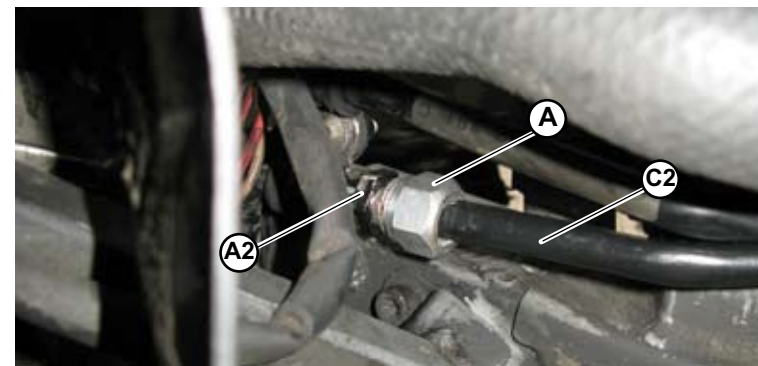


Fig.15

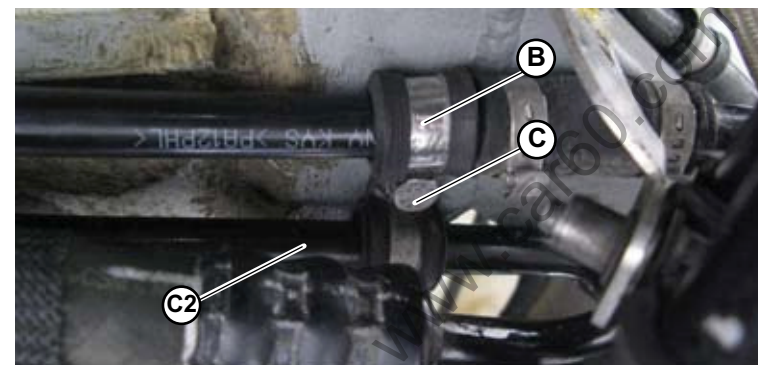


Fig.16

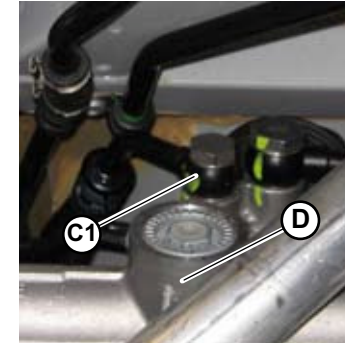


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3. Disconnect the **C1** power steering circuit central delivery pipe from the rack (**D-Fig.17**).

Left hand drive



Right hand drive

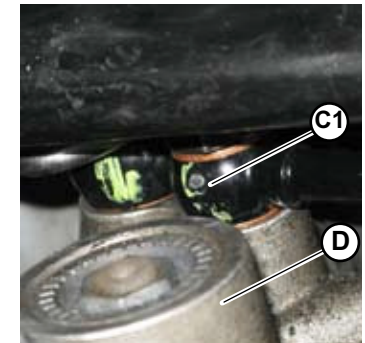


Fig.17

4. **Right hand drive only:**

Loosen the screw (**F-Fig.18**) to release the clamp (**E-Fig.18**) located on the bracket securing the **A1** front delivery pipe and **C1** rear delivery pipe.

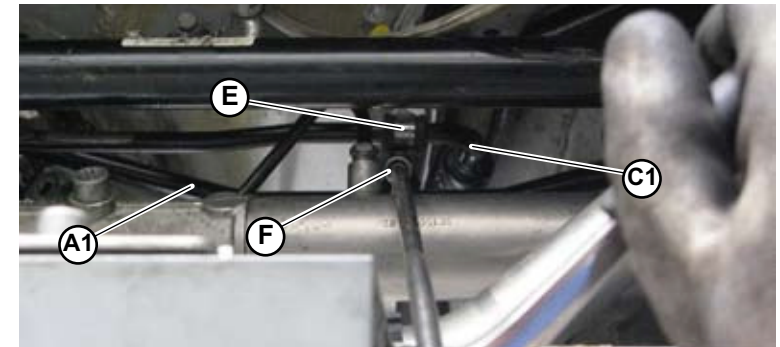


Fig.18

5. Release the 3 clamps (**G-Fig.19**) securing the **C1** central delivery pipes, **C2** central return pipes and the brake vacuum pump pipe to the chassis.

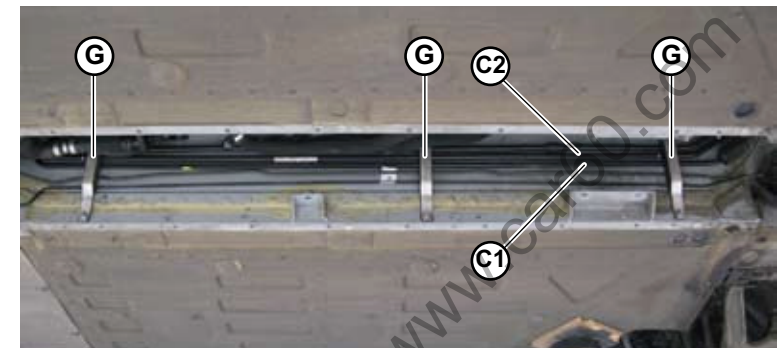


Fig.19



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6. To disconnect the **C1** central delivery pipe connections and the **C2** central return pipe connections from the **P1** rear delivery pipes and **P2** rear return pipes, unscrew the respective nuts (**H-Fig.20**).

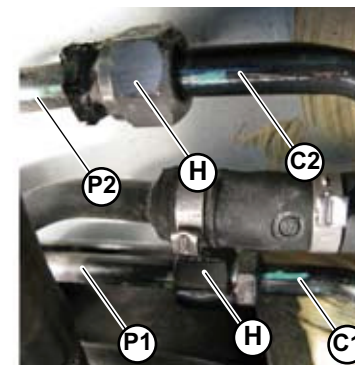


Fig.20

7. Remove and extract the **C1** and **C2** power steering circuit pipes (**Fig.21**).

Left hand drive



Right hand drive



Left-Right hand drive

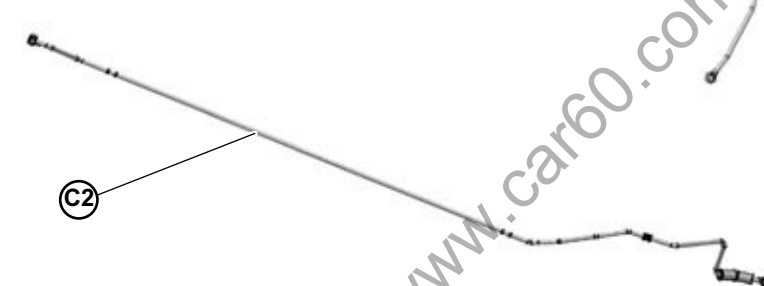


Fig.21





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## DISASSEMBLING THE REAR PIPES

### Disassembling the P1 and P2 power steering circuit pipes

#### Preliminary operations

- Remove the entire engine (010003).
- Disassemble the engine cooling system rear pipe (012103).
- Empty the power steering circuit (042307).

### Disassembling the P1 and P2 power steering circuit pipes



Position a suitable container to collect any residual power steering oil.

1. To disconnect the **C1** central delivery pipe connections and the **C2** central return pipe connections from the **P1** rear delivery pipes and **P2** rear return pipes, unscrew the respective nuts (**A-Fig.22**).
2. Release the front part of the **P2** return pipe from the clamp (**B-Fig.23**) securing it to the brake booster pipe.
3. Disconnect the front part from the rear part of the **P2** return pipe (**C-Fig.24**).

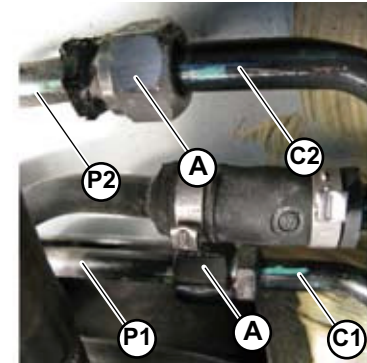


Fig.22

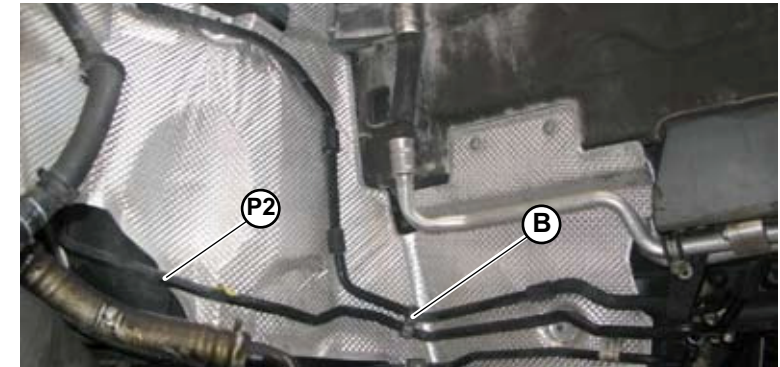


Fig.23

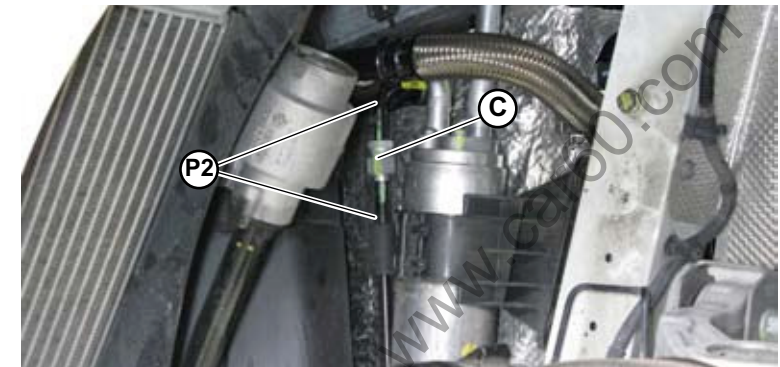


Fig.24



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4. Loosen the screw (D-Fig.25) securing the rear part of the P2 return pipe to the support bracket.

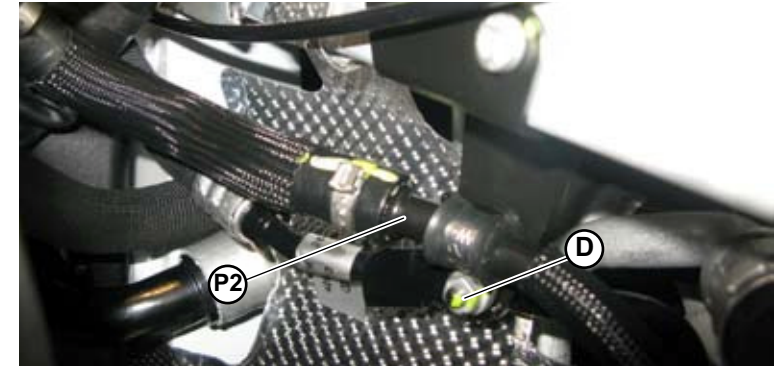


Fig.25

5. Loosen the 3 screws (F-Fig.26) to release the power steering tank (E-Fig.26) and loosen the clamp (G-Fig.26) to disconnect the rear part of the P2 return pipe.

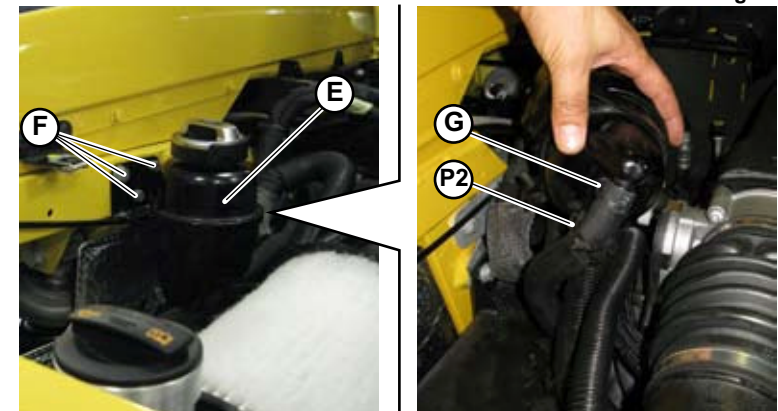


Fig.26

6. Remove both parts of the P2 return pipe (Fig.27)



Fig.27



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7. Loosen the screw (**H-Fig.28**) fastening the mounting bracket on the front part of the **P1** delivery pipe to the chassis.

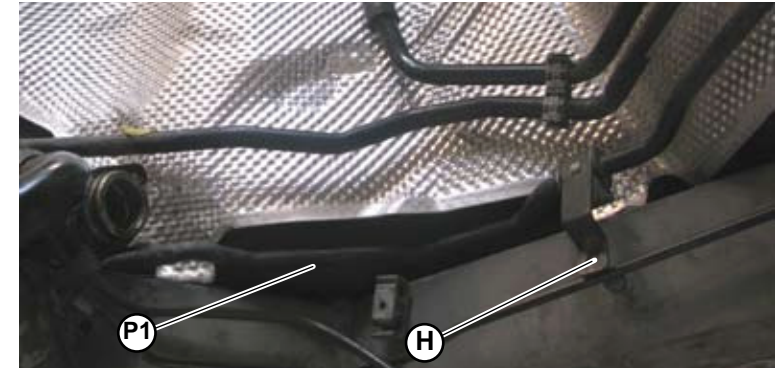


Fig.28

8. Loosen the connection nut (**I-Fig.29**) to disconnect the front part from the rear part of the **P1** delivery pipe.

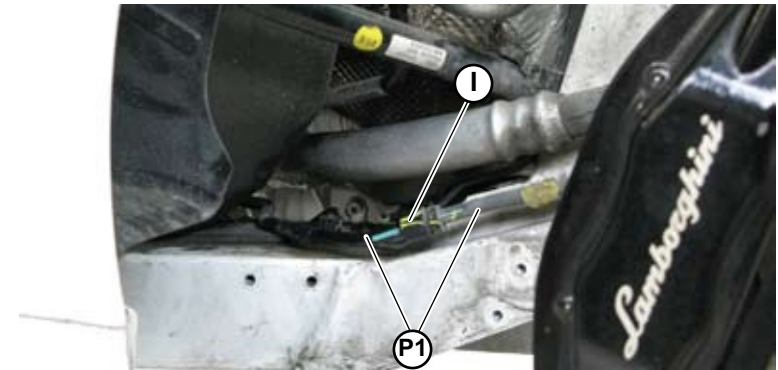


Fig.29

9. Loosen the screw (**J-Fig.30**) fastening the fixing clamp of the **P1** delivery pipe rear part to the chassis. Then disconnect the connection to the power steering circuit pump (**K-Fig.30**).

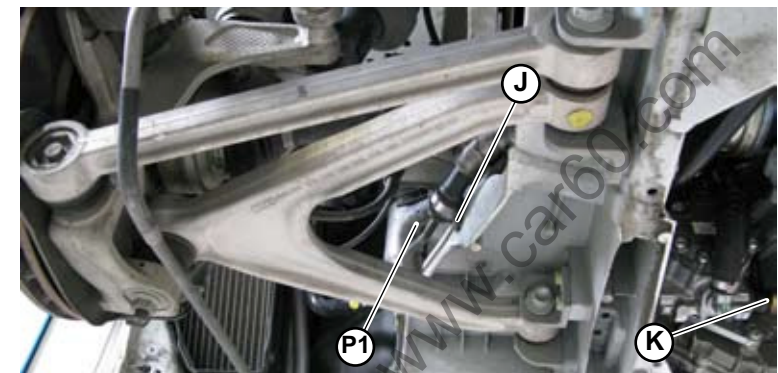


Fig.30



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10. Remove both parts of the **P1** delivery pipe (Fig.31).

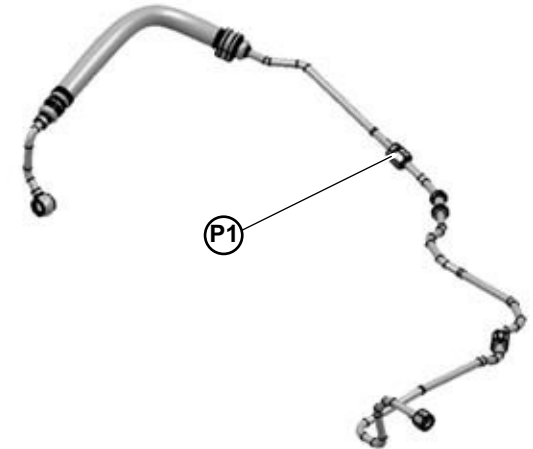


Fig.31





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## Disassembling the P3 power steering circuit pipe

### Preliminary operations

- Disassemble the rear vehicle floor (082503).
- Disassemble the left and rear aesthetic panels (081303).
- Disassemble the air filter box (013303).
- Empty the power steering circuit (042307).

## Disassembling the P3 power steering circuit pipe



Position a suitable container to collect any residual power steering oil.

1. Cut the clamp (A-Fig.32) to disconnect pipe **P3** from the power steering pump
2. Release the clamp (B-Fig.32) securing the pipe to the engine.
3. Loosen the three screws (D-Fig.33) to release the power steering oil tank (C-Fig.33).
4. Release the clamp (E-Fig.33) to disconnect pipe **P3** from the power steering oil tank.
5. To remove pipe **P3** (Fig.34), extract it from below the vehicle.

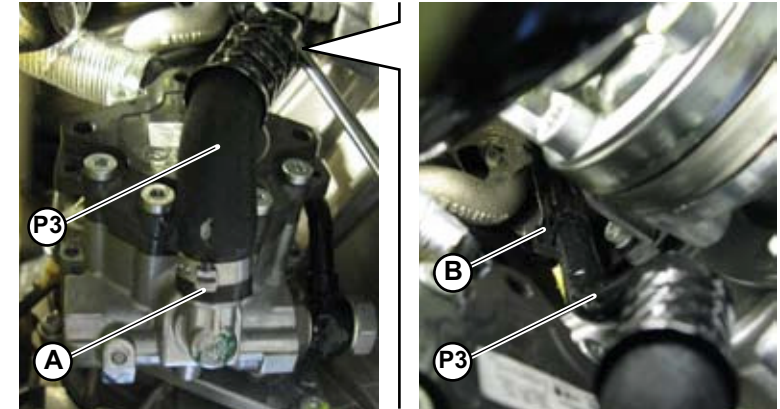


Fig.32

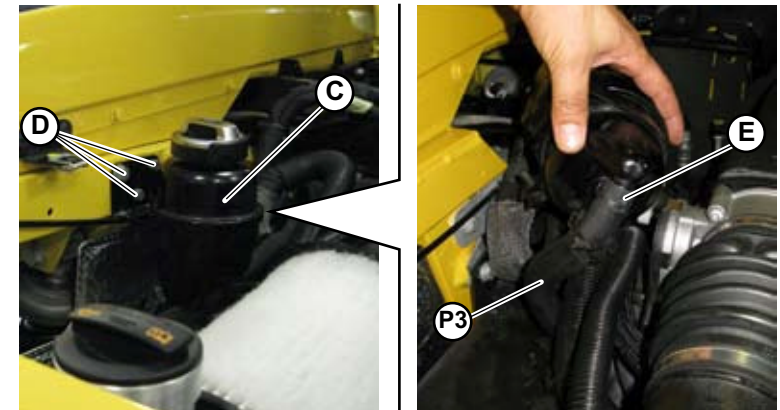


Fig.33



Fig.34