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Assembling the gearbox (manual gearbox)

1. Lift the engine (**A-Fig.1**) slightly using a specific lifting device to facilitate the connection between the engine and the gearbox rear differential assembly.



Fig.1

2. Position the gearbox rear differential assembly on the engine (**B-Fig.2**).

STOP **Important!** Ensure the gear shaft (α -Fig.2) and P.T.O. shaft (β -Fig.2) are aligned with their respective engine connections.



Lubricate the gear shaft (α -Fig.2) and P.T.O. shaft (β -Fig.2) junctures.

3. Tighten a screw (**C-Fig.2**) to secure the gearbox rear differential assembly to the engine.
Screw attachment: tightening torque (000800-3d).
4. Tighten the remaining eight screws (**D-Fig.2**) securing the gearbox housing to the engine.
Screw attachment: tightening torque (000800-3d).

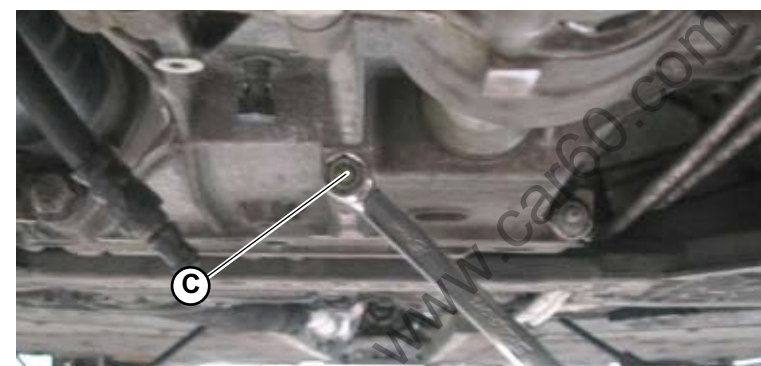
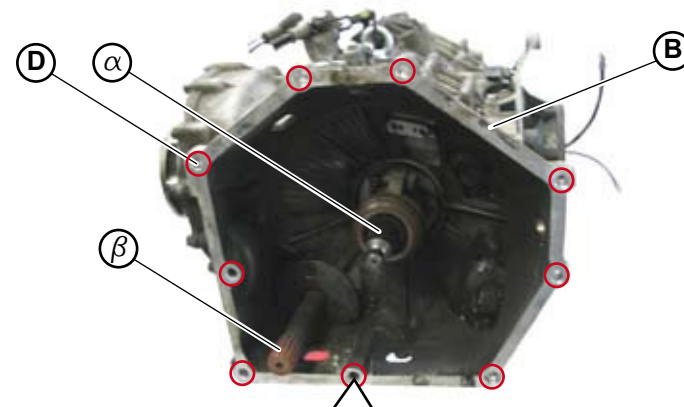


Fig.2



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5. Tighten four screws (**E-Fig.3**) to secure the engine to the chassis.
Screw attachment: tightening torque (000800-36b).

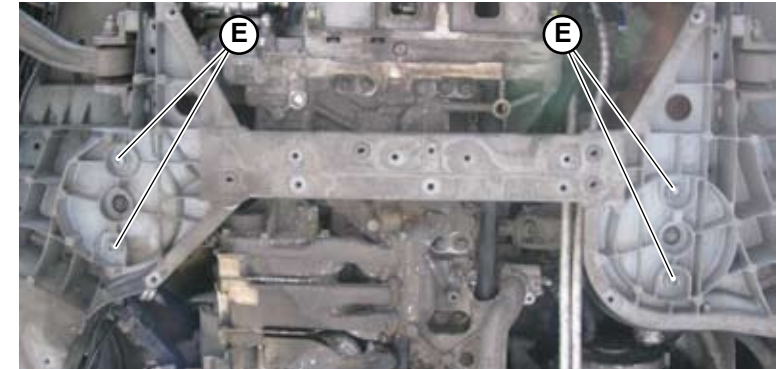


Fig.3

6. Connect the power steering circuit pipe (**F-Fig.4**) to the corresponding pump.



Fig.4

7. Connect the speed sensor cable connector (**G-Fig.5**).

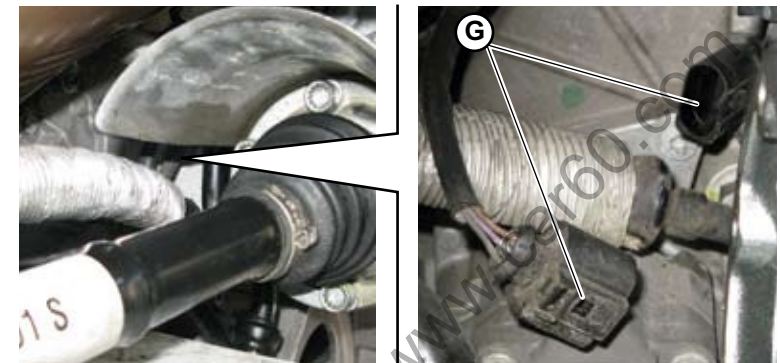


Fig.5



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8. Tighten the six screws on both sides (**H-Fig.6**) securing the axle shaft to the rear differential.

Screw attachment: tightening torque (000800-19c).



Fig.6

9. Position the gear selection cable support bracket (**I-Fig.7**) by tightening three screws.

10. Connect the two gear selection cables (**J-Fig.7**).

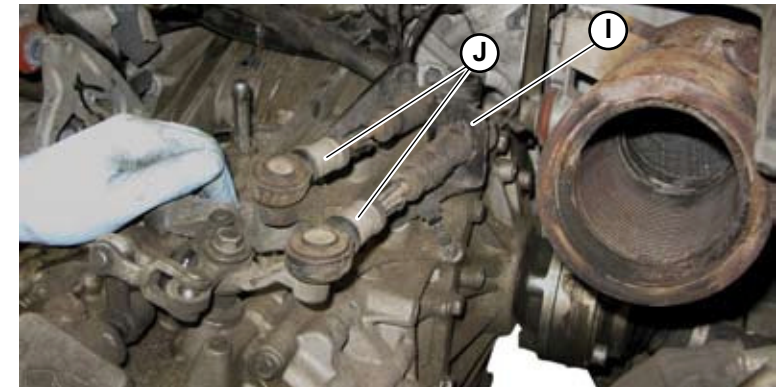


Fig.7

11. Position the joint bulkhead (**K-Fig.8**) on the right side between the axle shaft and the differential by tightening three screws (**L-Fig.8**).

Screw attachment: tightening torque (000800-5b).

12. Position the bracket (**M-Fig.8**) and tighten the rear differential gearbox assembly support screw (**N-Fig.8**).

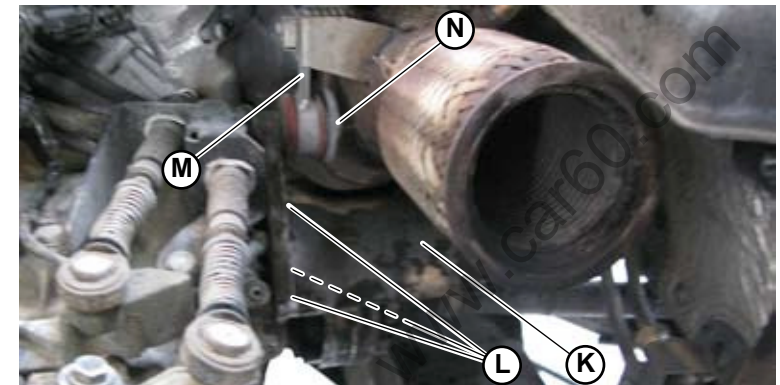


Fig.8



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13. Position the joint bulkhead (**O-Fig.9**) on the left side between the axle shaft and the differential by tightening three screws (**P-Fig.9**).

Screw attachment: tightening torque (000800-5b).

14. Position the bracket (**Q-Fig.9**) and tighten the rear differential gearbox assembly support screw (**R-Fig.9**).

15. Secure three clamps (**S-Fig.9**).

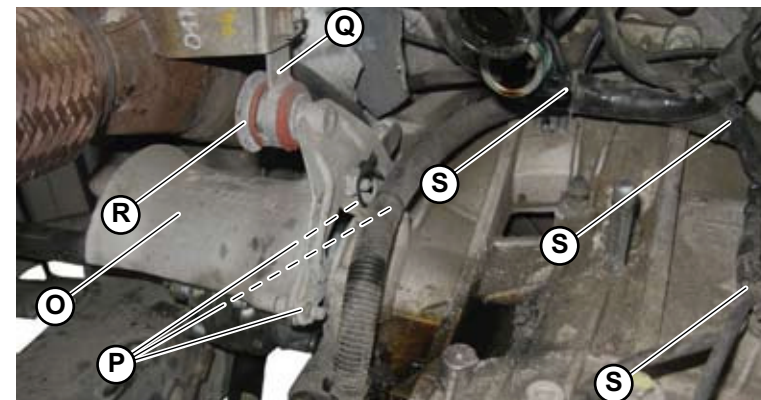


Fig.9

16. Connect the oil circuit delivery and return pipes (**T-Fig.10**) to the gearbox.

17. Tighten the screw (**U-Fig.10**) securing the mounting bracket of the gearbox oil circuit pipes.

18. Tighten the nut (**V-Fig.10**) on both sides securing the gearbox to the chassis.

Bolt attachment: tightening torque (000800-36c).

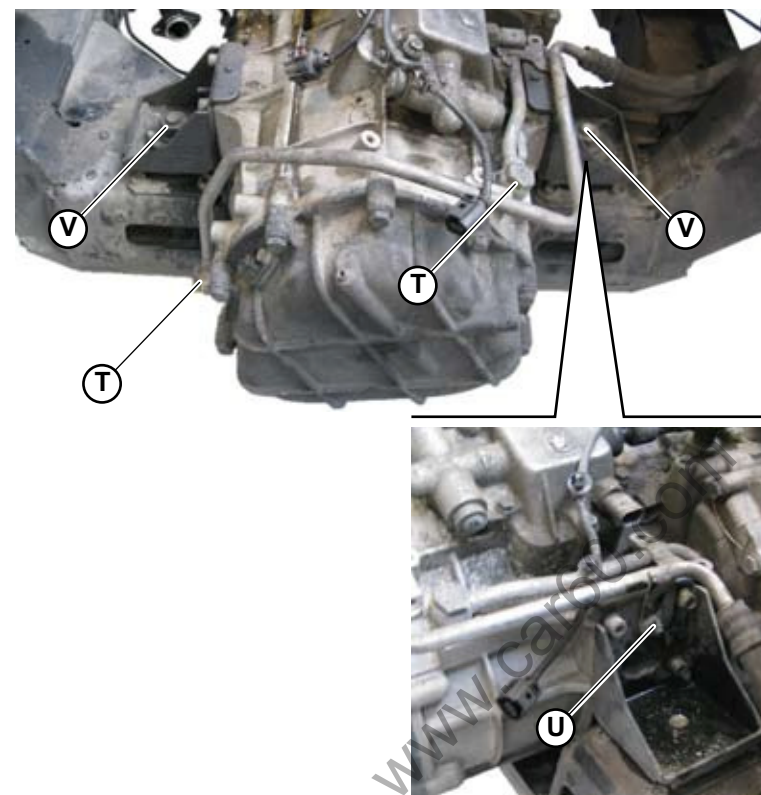


Fig.10



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19. Connect the positive cable connector (**W-Fig.11**) to the starter.

20. Connect the earth cable (**X-Fig.11**) to the starter.

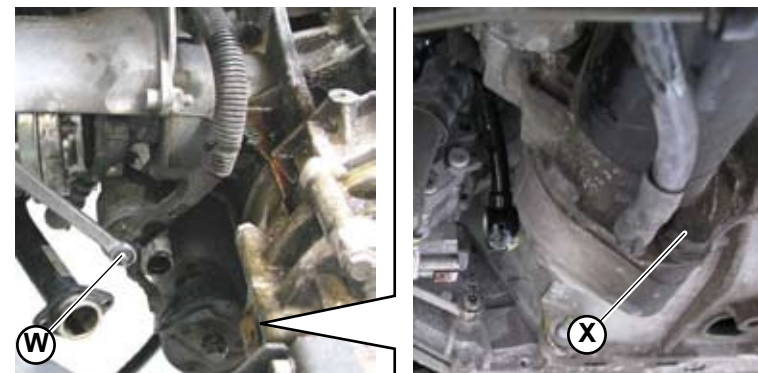


Fig.11

21. Connect the speed sensor connector (**Y-Fig.12**).

22. Connect the cable connector (**Z-Fig.12**) originating from the starter.

23. Connect the cable connector (**A¹-Fig.12**) originating from the gear selector (reverse gear).

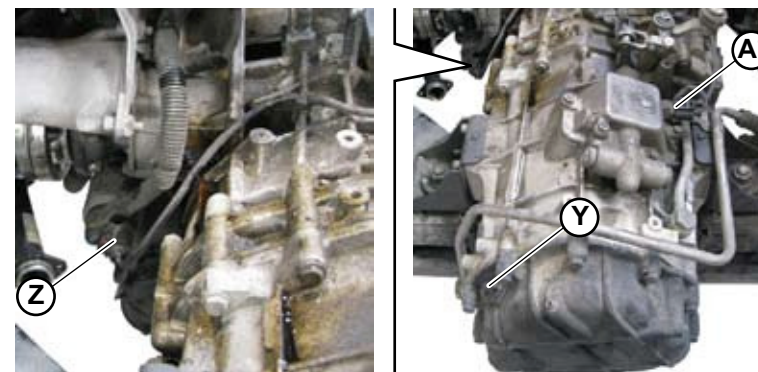


Fig.12

24. Secure the clamps on both sides (**B¹-Fig.13**) securing the rear hood opening pipe to the chassis.



Place the gear selection lever in neutral and make any necessary adjustments to the gearbox. (071102).



Fig.13



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- Assemble the oil tank **(011505)**.
- Assemble the exhaust terminal **(025105)**.
- Assemble the air filter assembly **(013305)**.
- Assemble the stabiliser bar **(051005)**.
- Assemble the rear bumper **(080705)**.
- Assemble the upper panel **(081305)**.
- Assemble the rear lights **(094505)**.
- Assemble the engine internal panels (Engine Bay) **(081305)**.
- Assemble the engine hood **(082705)**.
- Assemble the rear vehicle floor **(082505)**.
- Assemble the rear wheel arches **(082105)**.
- Assemble the rear tires **(060105)**.
- Fill the engine oil circuit **(011708)**.