



Workshop Manual 2001 - 2006





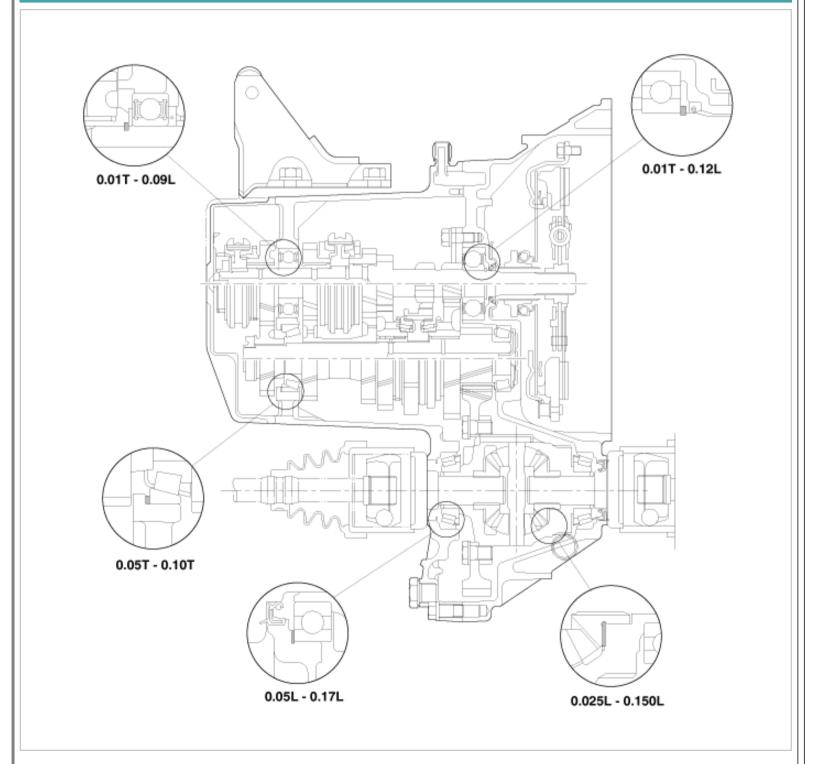
GENERAL INFORMATION (M5BF2)

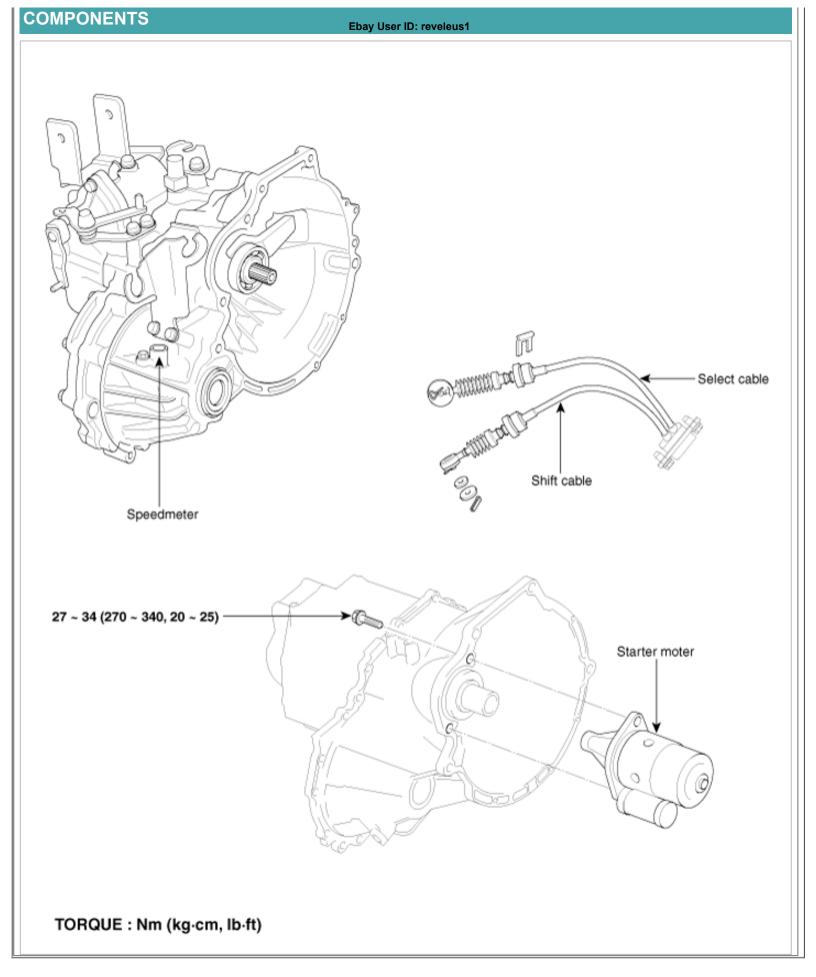
Manual transaxle overhaul section has been separated from the shop manual.

M5BF2 overhaul section was included in the overhaul manual.

* M5BF2 model is marked as a "J" in transmission identification number, refer to "GI-GROUP" for the detail.

SECTION VIEW







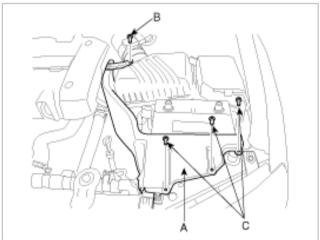


REMOVAL

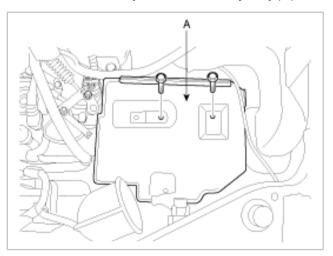
1. Remove the battery terminal. ("-", "+")



2. Remove the heat shield(A). (Bolt: 1EA(B), Retainer: 3EA(C))

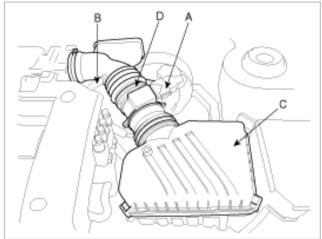


3. Remove the battery and the battery tray(A).

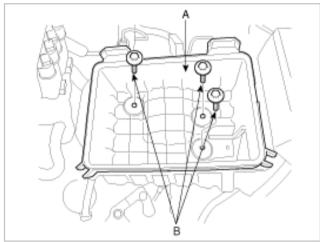


4. Removal of air cleaner and air intake hose.

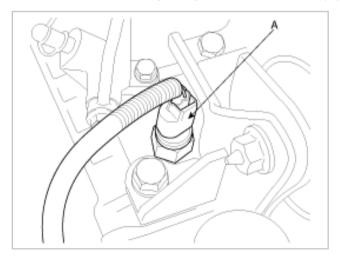
- (1) Disconnect the air flow sensor connector(A) and breather hose(B).
- (2) Air cleaner upper cover(C) and air intake hose(D).



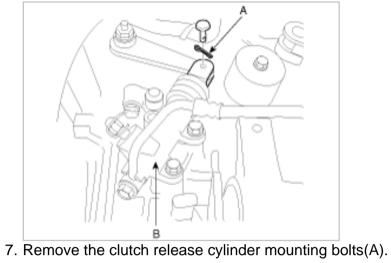
(3) Air cleaner lower(A) (Bolt: 3EA(B)).

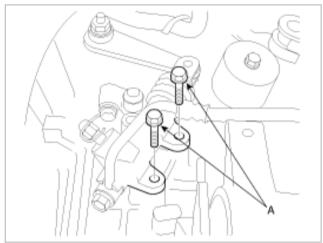


5. Disconnect the backup lamp switch connector(A).

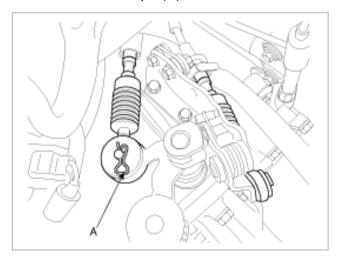


6. Remove the cotter pin(A) of the clutch release cylinder(B).



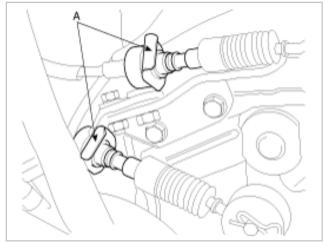


8. Remove the cotter pin(A) of the shift and selector cable.

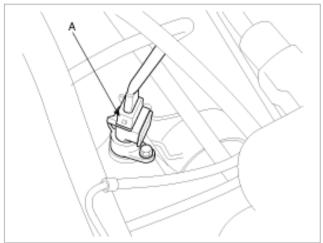


9. Remove the clip(A) of the shift and selector cable.

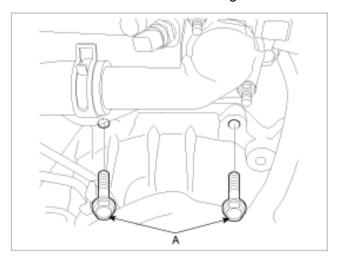
Ebay User ID: reveleus1



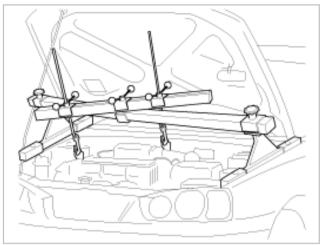
10. Disconnect the vehicle speed sensor connector(A).



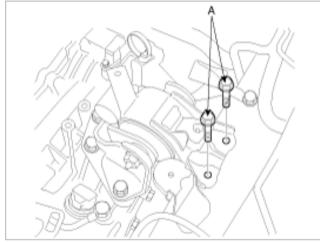
11. Remove the start motor mounting bolts and the transaxle mounting to the engine bolts(A).



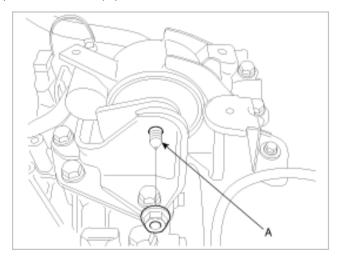
12. Attach to the engine hooks using special tool (09200-38001).



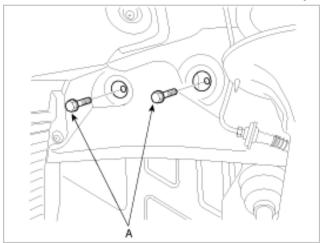
- 13. Remove the transaxle-mounting bracket.
 - (1) Body mounting bolts(A) (Upper side)



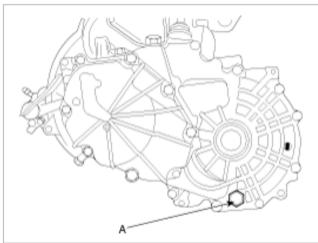
(2) Insulator bolt(A).



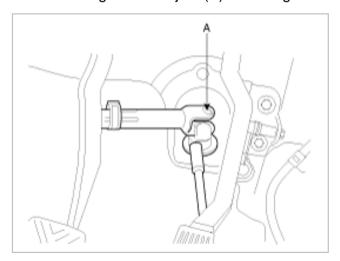
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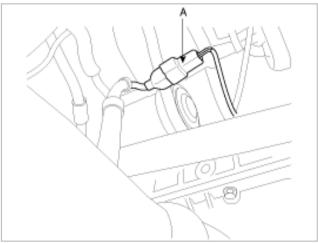
- 14. Lift up the vehicle.
- 15. Remove the front tire.
- 16. Remove the drain plug(A) and drain the transaxle gear oil.



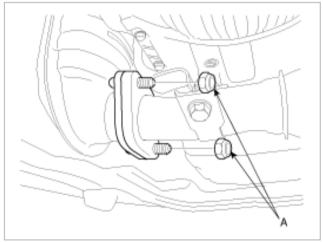
- 17. Disconnect the tie rod end, wheel speed sensor, knuckle, caliper and drive shaft. (see "DS" group).
- 18. Remove the gear box u-joint(A) mounting bolt.



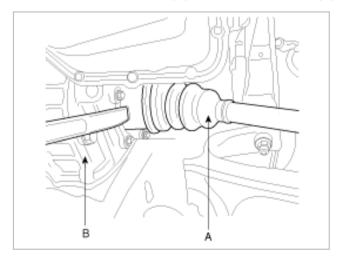
19. Disconnect the oxygen sensor connector(A). Ebay User ID: reveleus1



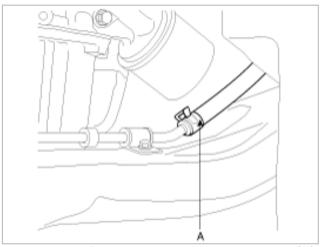
20. Remove the front muffler mounting nuts(A).



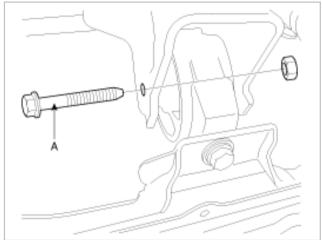
- 21. Remove the front muffler to the center muffler mounting nuts. (2EA)
- 22. Remove the front muffler bracket bolt and front muffler. (1EA)
- 23. Remove the drive shaft(A) from the transaxle(B).



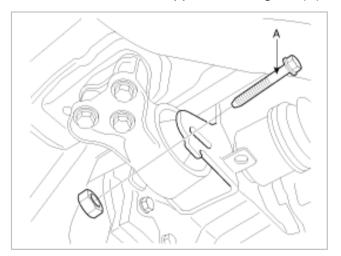
24. Remove the power return hose(A) and drain the power steering oil.



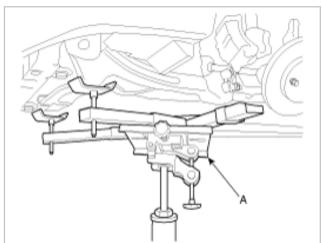
25. Remove the front roll stopper-mounting bolt(A).



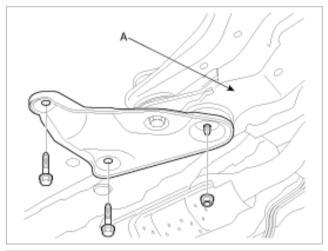
26. Remove the rear roll stopper-mounting bolt(A).

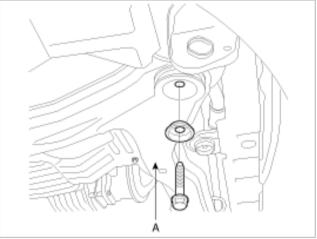


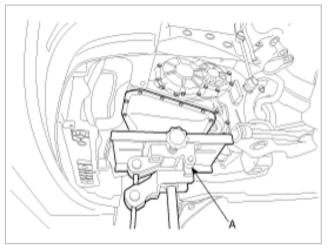
27. Install the jack(A) for supporting sub-frame. Ebay User ID: reveleus1



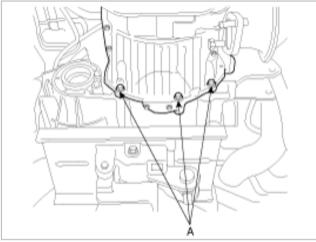
28. Remove the sub frame(A).







30. Remove the transaxle lower mounting bolts(A).



31. Remove the transaxle assembly supporting by a jack.

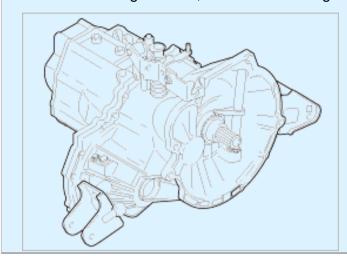
NOTE

When supporting the transaxle assembly, make sure that the lifting force is applied to a wide area, not to a small localized area.

CAUTION

- •Engine and transaxle mounting insulators should be installed the specified them.
- •Mounting bracket installation procedures.
- -Engine mounting bracket.
- -T/M mounting bracket.
- -Rear roll stopper mounting bracket.
- -Front roll stopper mounting bracket.

•Especially, when installing front roll stopper mounting bracket, be careful not to be crushed the insulator. If being crushed, idle vibration is high.



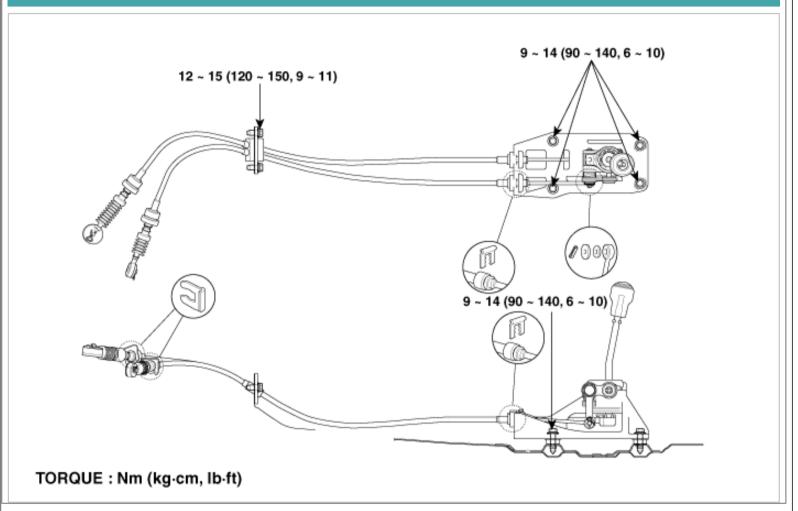
INSTALLATION

Installation is the reverse of removal.











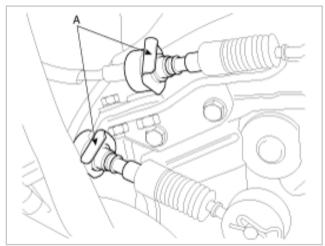


REMOVAL

- 1. Remove the shift knob.
- 2. Remove the console assembly.
- 3. Remove the cotter pins and clips (shift lever side).
- 4. Remove the retainer(A) and bolts(B).



5. Remove the cotter pins and clips(A) (Transaxle side).



6. Remove the shift cable and selector cable.

INSTALLATION

- 1. Install the shift lever assembly.
- 2. Installation is the reverse of the removal.

INSPECTION

- 1. Check the select cable for proper operation and for damage.
- 2. Check the shift cable for proper operation and for damage.
- 3. Check the boot for damage.

Purchased from Ebay seller Reveleus1

Thank-you for purchasing from me, it is much appreciated.

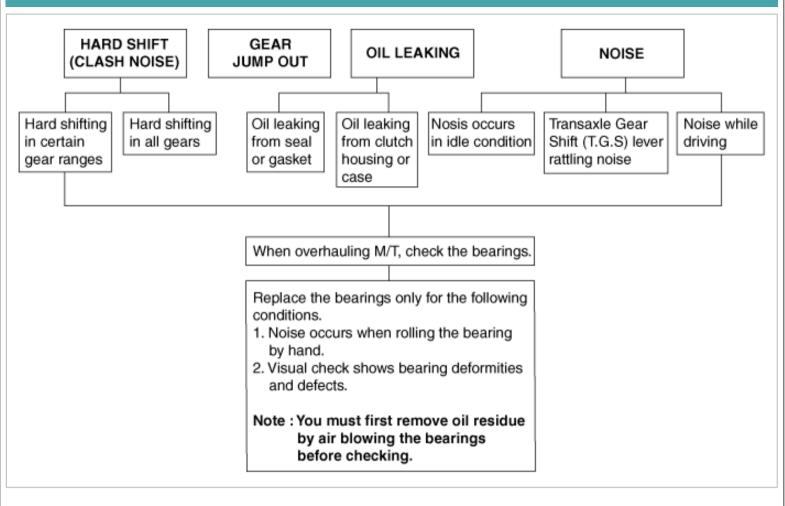
To contact me please email suzlever@gmail.com

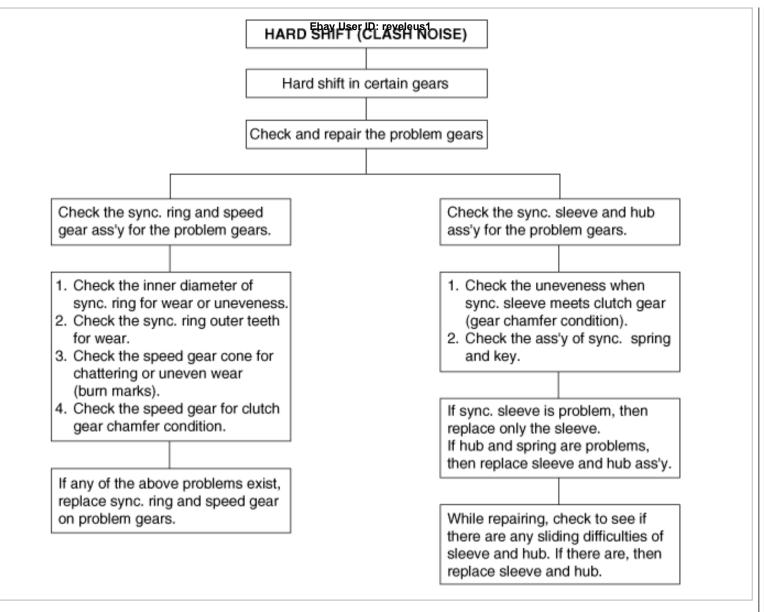
- 4. Check each bushing for wear, abrasion, sticking, restricted movement or damage.
- 5. Check for a weak or damaged spring.

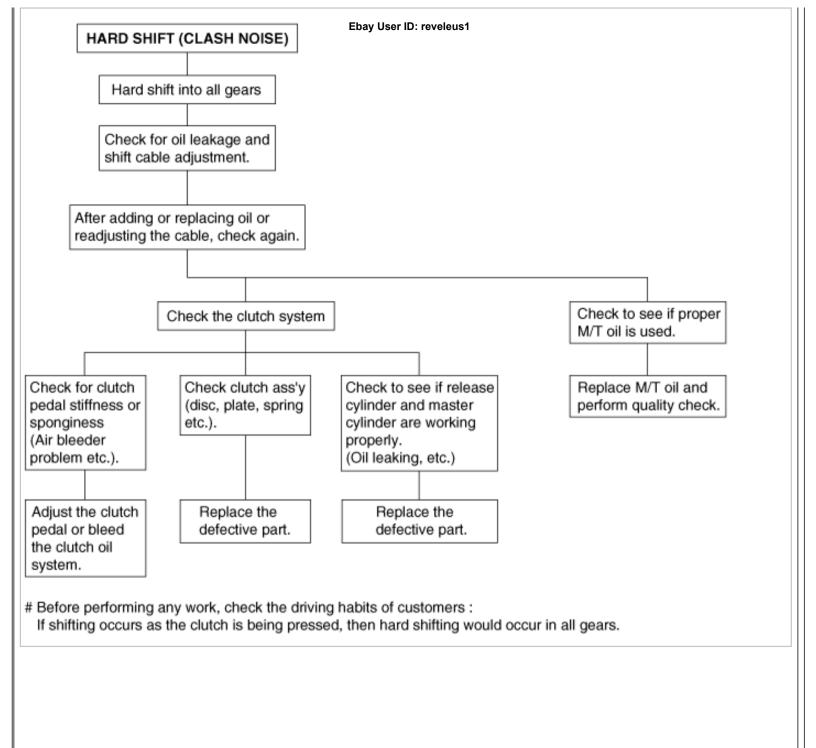


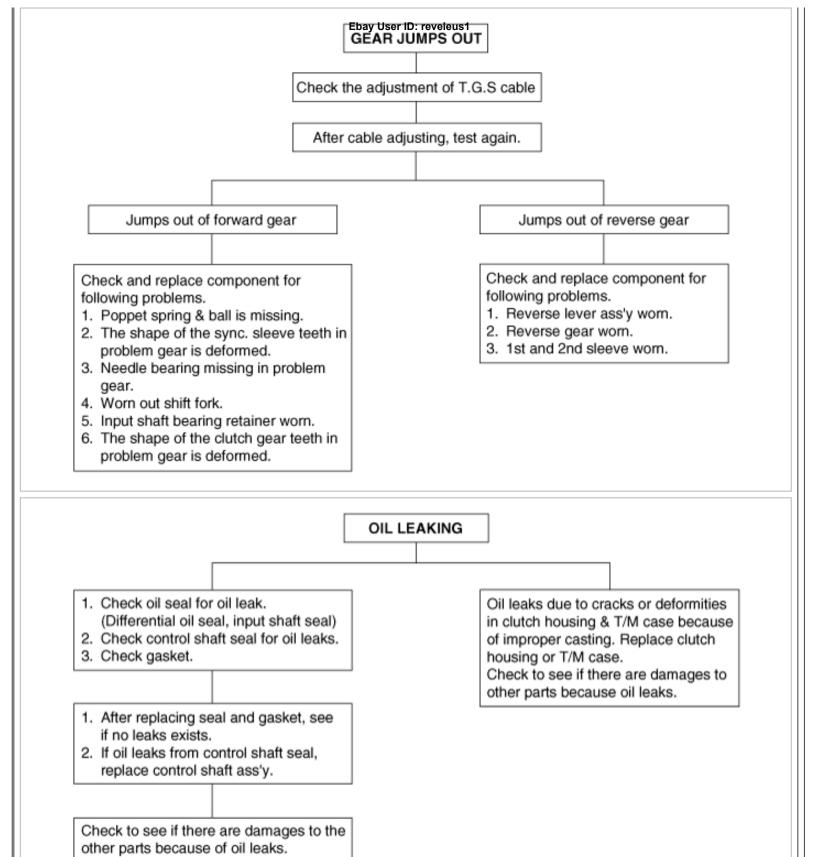


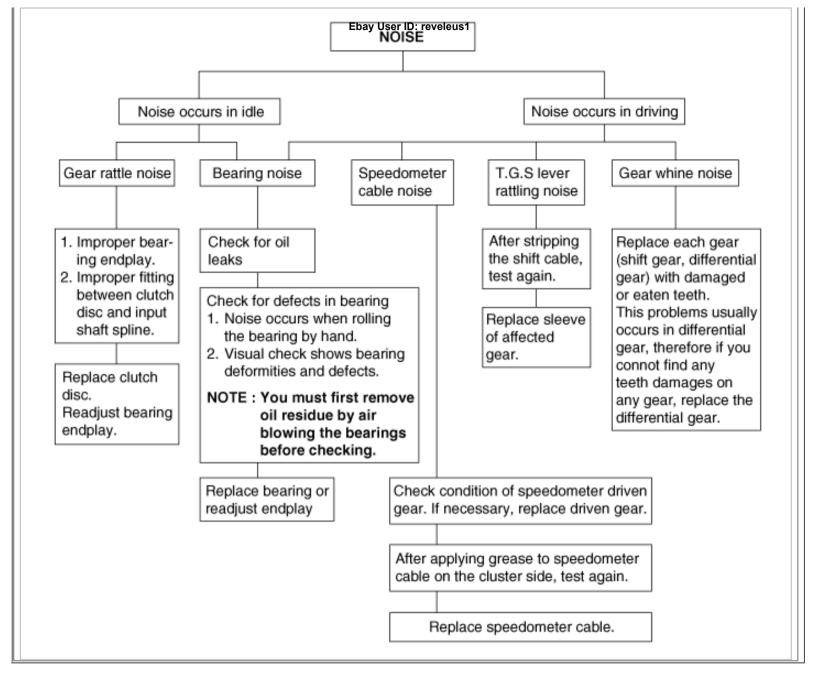
INSPECTION PROCEDURE FOR TROUBLE SYMPTOMS















SERVICE ADJUSTMENT PROCEDURES

TRANSAXLE GEAR OIL LEVEL INSPECTION

Inspect each component for evidence of leakage. Check the gear oil level by removing the filler plug. If the oil is contaminated, it is necessary to replace it with new oil.

- 1. Remove oil filler plug and check level with finger.
- 2. Oil level must be up to fill the hole, add oil until it runs over. Then reinstall plug.
- 3. Replace the oil so that the transaxle gear oil is not dirty, and so that it is of a suitable viscosity.

REPLACEMENT OF TRANSAXLE GEAR OIL

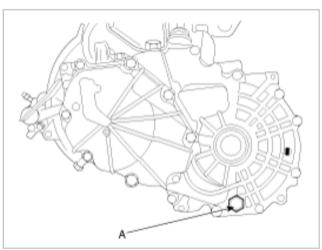
Transaxle gear oil:

HYUNDAI GENUINE PARTS MTF 75W/90 (API GL-4)

- 1. With the vehicle parked on a level surface, remove the drain plug and drain the transaxle oil.
- 2. Replace the gasket with a new one and install the drain plug(A).

Drain plug tightening torque:

30~35Nm (300~350kg·cm, 22~25lb·ft)



3. Add new oil through the filler plug(A) and, fill it to just below the plug opening.

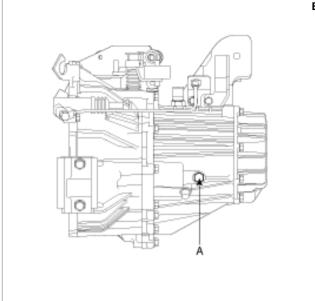
Transaxle oil total capacity:

2.15 lit (2.27 U.S.qts., 1.89 imp.qts.)

Filler plug tightening torque:

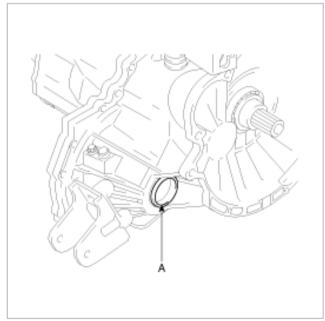
30~35Nm (300~350kg·cm, 22~25lb·ft)

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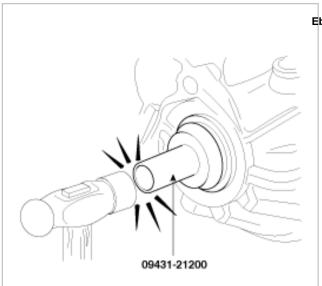


DRIVE SHAFT OIL SEAL REPLACE

- 1. Disconnect the drive shaft from the transaxle (see "DS" group).
- 2. Using a flat-tip screwdriver, remove the oil seal(A).



3. Using the special tool (09431-21200), tap the drive shaft oil seal into the transaxle.



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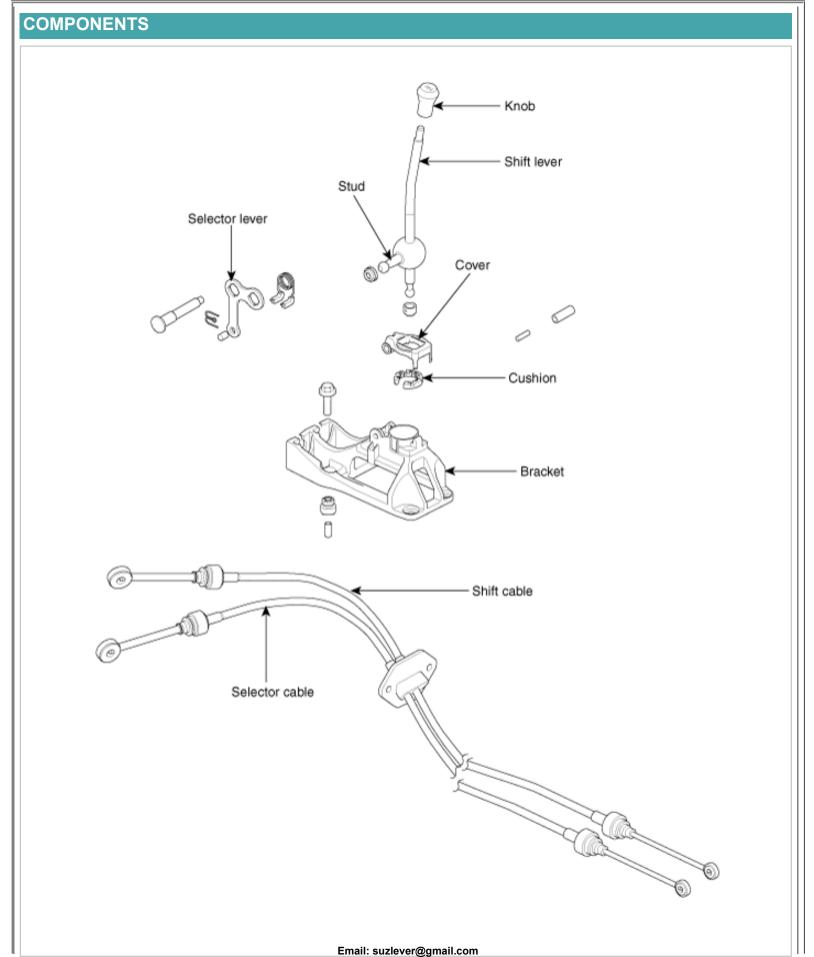
4. Apply a coating of gear oil to the oil seal.

Transaxle gear oil:

HYUNDAI GENUINE PARTS MTF 75W/90 (API GL-4)







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INSPECTION	
Check the bushing for wear or damage.	
Check the return spring for damage or deterioration.	
REASSEMBLY	
Apply multi-purpose grease to the sliding part of the bushings.	
2. Reassembly is reverse of the disassembly.	