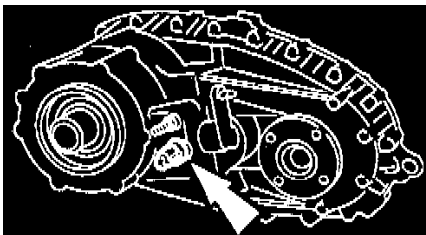


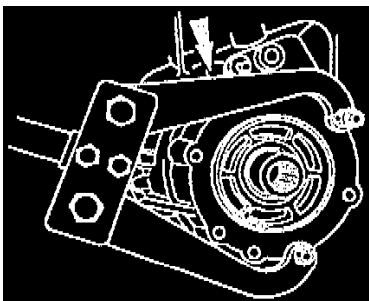
Transfer Case: Service and Repair Disassembly

NOTE: On the manual shift transfer case, place transfer case in the neutral position for disassembly.

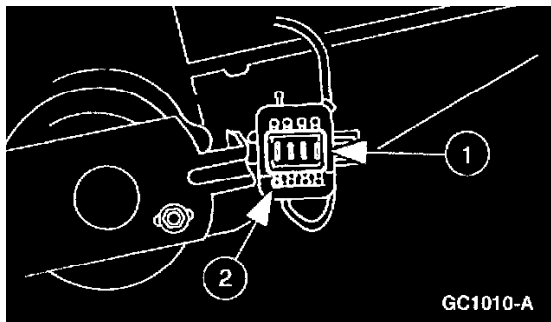
1. Remove the transfer case.



2. On manual shift transfer case, remove the 4WD indicator switch.

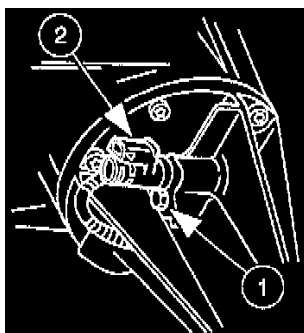


3. Secure transfer case.
 - Use Bench Mounted Holding Fixture.



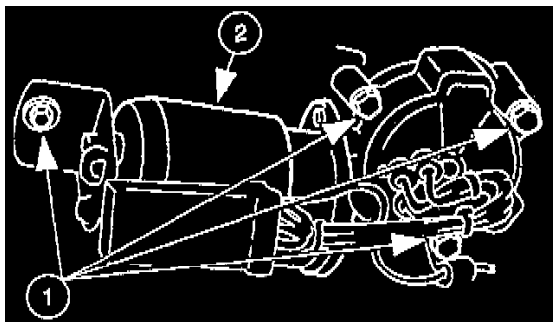
4. Remove the coil wire from the electric shift motor electrical connector.

- (1) Remove the wire connector spacer.
- (2) Remove the coil wire and pin.
 - Use electrical connector pin extractor tool.



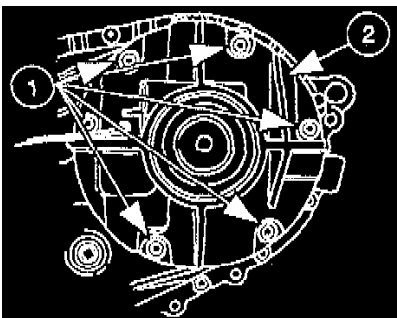
5. Remove the vehicle speed sensor (VSS).

- (1) Remove the VSS bolt.
- (2) Remove the VSS.



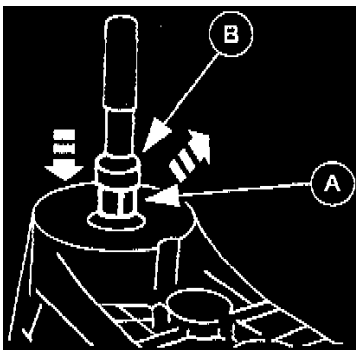
6. On electrical shift transfer case, remove the electric shift motor.

- (1) Remove the four electric shift motor bolts.
- (2) Remove the electric shift motor.

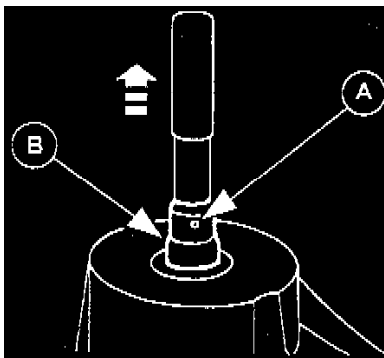


7. Remove the bearing retainer.

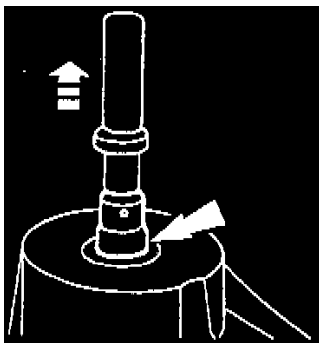
- (1) Remove the six extension housing bolts.
- (2) Remove the extension housing.



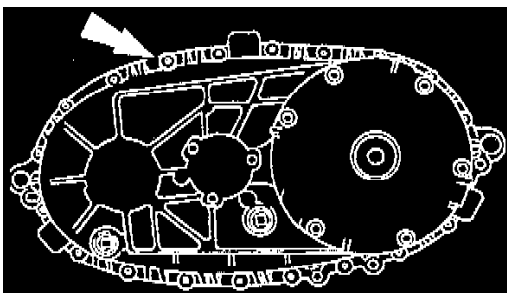
8. Remove the (A) speedometer spacer and push (B) speedometer drive gear toward transfer case.



9. Remove (A) steel ball and (B) speedometer drive gear.

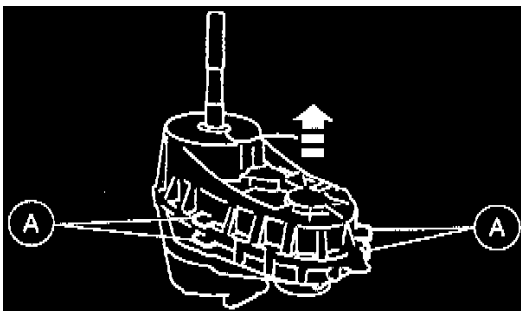


10. Remove the rear output shaft snap ring.
 - Lift up on the output shaft while removing snap ring.

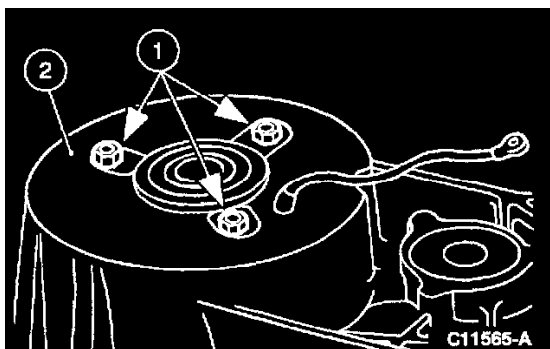


11. Remove the twenty transfer cover to case bolts.

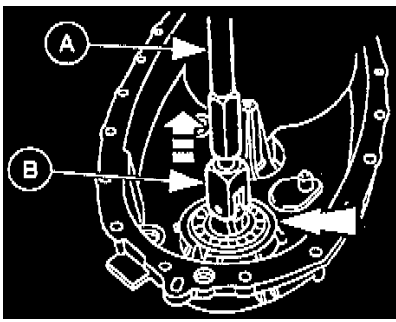
NOTE: The transfer cover to case bolts are self-tapping and it is normal to find metal shavings while removing cover.



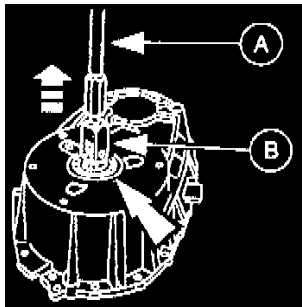
12. Remove the transfer case cover.
 - Use (A) pry bosses to separate cover from case.



13. Remove the coil.
 - (1) Remove the three coil to cover nuts.
 - (2) Remove the coil.

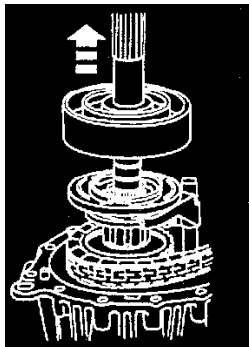


14. Remove the front output shaft bearing.
- Use (A) Slide Hammer and (B) Bearing Cup Remover.

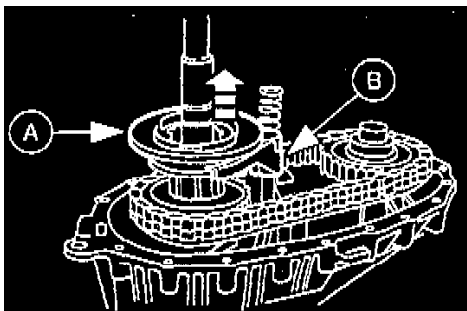


15. remove the rear output shaft bearing.
- Use (A) Slide Hammer and (B) Bearing Cup Remover.

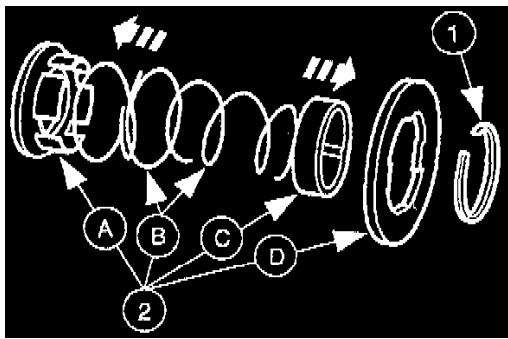
16. Remove shift collar hub.
- Remove shift collar hub snap ring from rear output shaft.



17. Remove the coil housing.



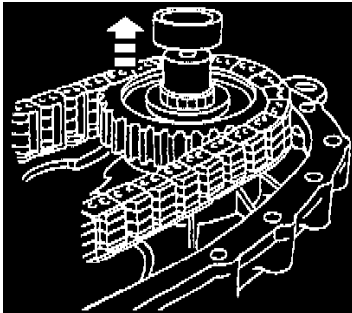
18. Remove the (A) lockup hub and (B) shift fork.



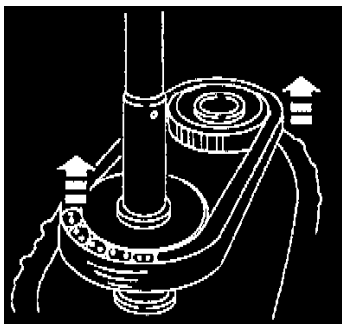
19. Disassemble the lockup hub assembly.

(1) Remove the lockup hub snap ring.

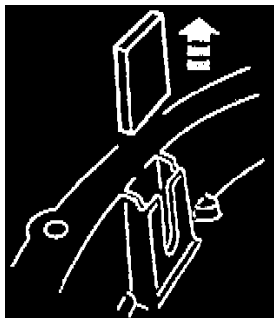
(2) Separate the (A) lockup collar, (B) two lockup springs, (C) lockup hub and (D) armature.



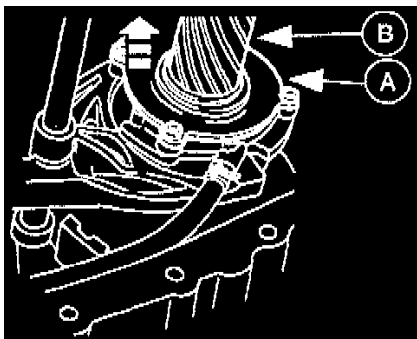
20. Remove the collar.



21. Remove drive chain and sprocket assembly.

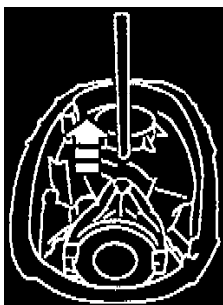


22. Remove magnet from its slot in case.

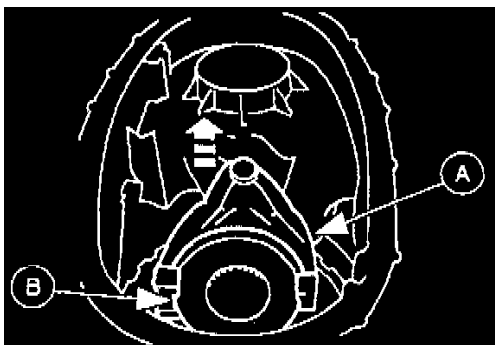


23. Remove (A) oil pump and (B) output shaft as an assembly.
- Remove oil pump from output shaft.

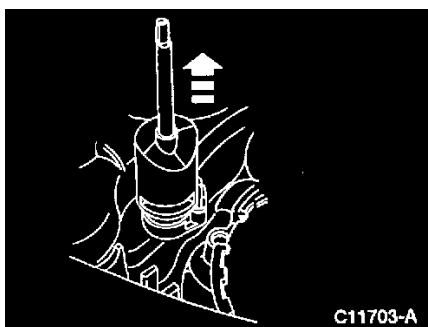
NOTE: The pump assembly is not repairable.



24. Remove shift fork shaft.

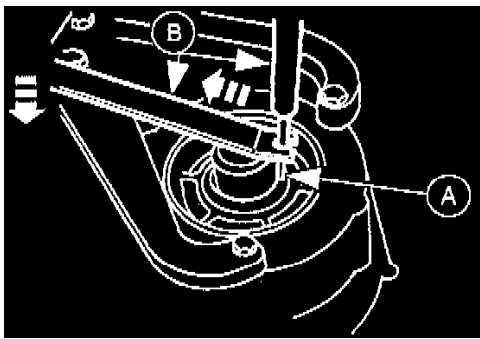


25. Remove (A) shift fork and (B) reduction hub.

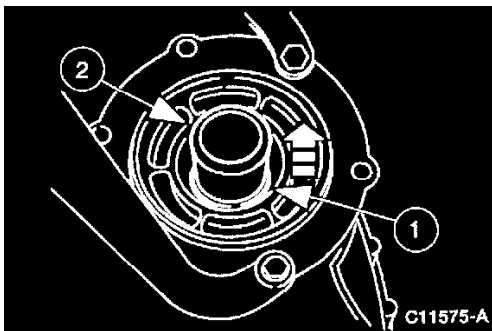


26. On electrical shift transfer case remove the electric shift cam assembly.

WARNING: DO NOT DISASSEMBLE SHIFT CAM ASSEMBLY.

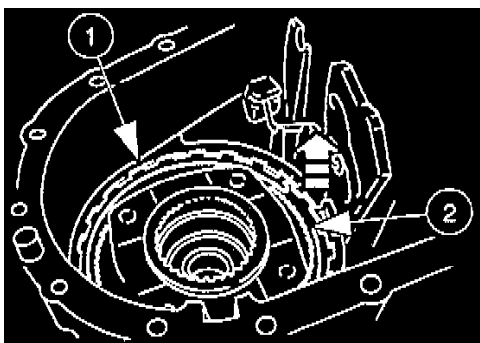


27. Use (B) Seal Remover to remove the (A) input seal.

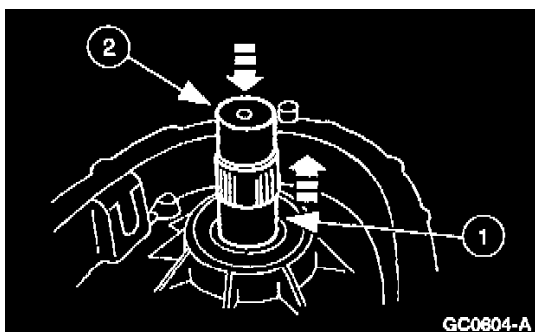


28. Remove the front planet carrier.
(1) Remove the front planet carrier snap ring.
(2) Remove the front planet carrier.

CAUTION: Do not let the front planet carrier fall while removing the snap ring.

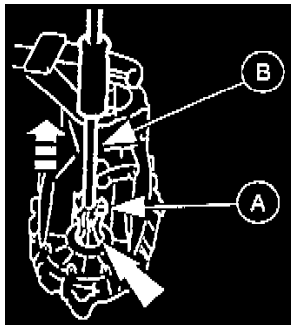


29. Remove the ring gear.
(1) Remove the ring gear snap ring.
(2) Remove the ring gear.

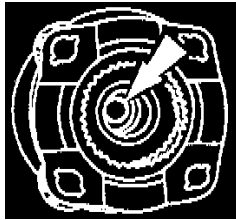


30. Remove the front output shaft.
(1) Remove the front output shaft snap ring.
(2) Remove the front output shaft.

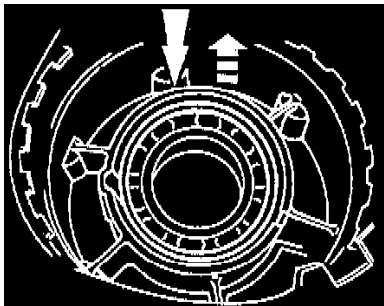
CAUTION: Do not let the front output shaft fall while removing the snap ring.



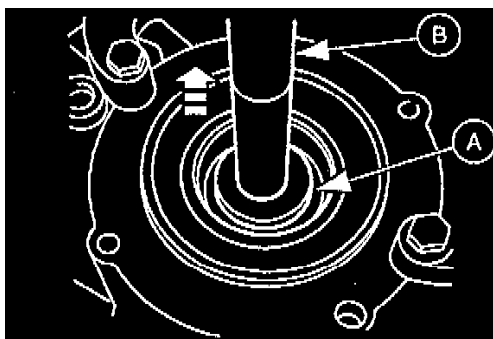
31. Remove the front output shaft seal.
- Use (A) Bearing Cup Remover and (B) Slide Hammer.



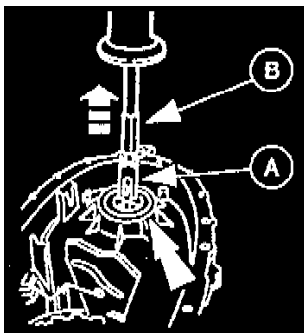
32. If necessary, remove the bushing and needle bearing from the front planet carrier.
- Use (1.25-1.50 inch) collet, Actuator Pin and Slide Hammer from Blind Hole Puller Set for Bushing.
 - Use (1-1.25 inch) collet, Actuator Pin and Slide Hammer from Blind Hole Puller Set for Bearing.



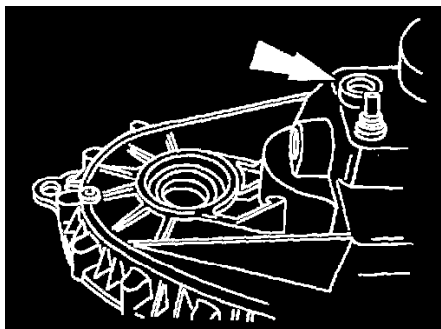
33. Remove the front planet carrier bearing snap ring.



34. Remove the front planet carrier bearing.
- Use (A) Bearing Cup Replacer and (B) Driver Handle.



35. Remove the front output shaft bearing.
 - Use (A) Bearing Cup Remover and (B) Slide Hammer.

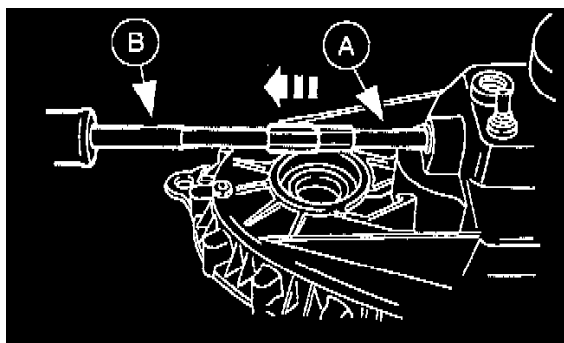


36. Loosen the shift lever set screw.

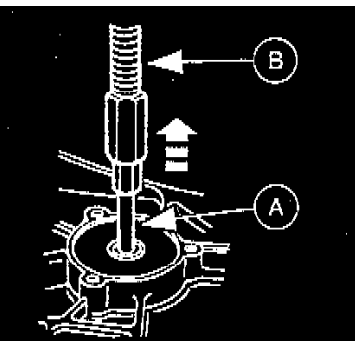
NOTE: On manual shift transfer case, access the shift lever set screw through the 4WD indicator switch hole.



37. On manual shift transfer case, remove the shift lever (from outside of case), (A) shift cam and (B) spring.



38. On manual shift transfer case, remove the shift lever seal.
 - Use (A) collet and (B) Slide Hammer from Blind Hole Puller Set.



39. Use (A) collet and (B) Slide Hammer from Blind Hole Puller Set.