

Last Modified: 9-29-2011	6.4 A	From: 200607
Model Year: 2007	Model: GS350	Doc ID: RM000000V1100MX
Title: 2GR-FSE COOLING: WATER PUMP: REMOVAL (2007 GS350)		

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE ENGINE UNDER COVER (for 2WD) Not necessary

3. REMOVE ENGINE UNDER COVER (for 4WD)

4. REMOVE REAR ENGINE UNDER COVER LH (for 2WD) Not necessary

5. REMOVE COOL AIR INTAKE DUCT SEAL [INFO](#)

6. REMOVE ENGINE ROOM SIDE COVER LH [INFO](#)

7. REMOVE V-BANK COVER SUB-ASSEMBLY [INFO](#)

8. REMOVE NO. 1 AIR CLEANER INLET [INFO](#)

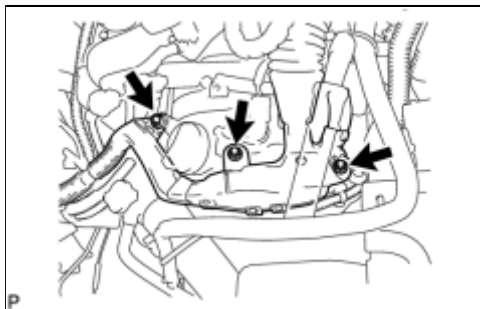
9. DRAIN ENGINE COOLANT [INFO](#) Not necessary

10. DISCONNECT NO. 1 RADIATOR HOSE

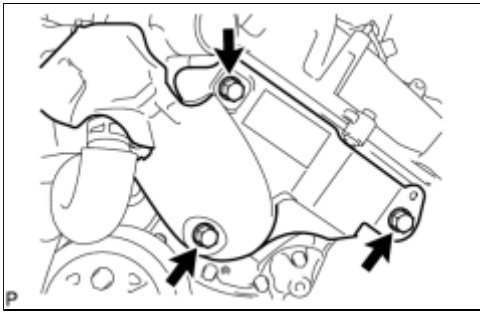
11. DISCONNECT NO. 2 RADIATOR HOSE

12. REMOVE V-RIBBED BELT [INFO](#)

13. REMOVE NO. 2 ENGINE COVER



(a) Remove the 3 nuts and engine harness cover (LH bank side).

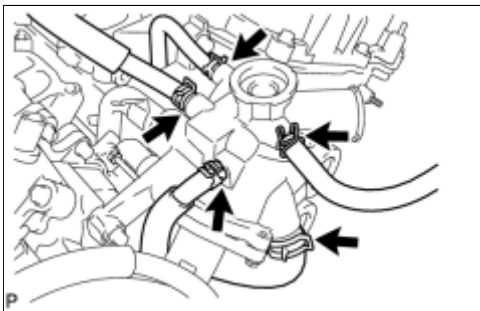


(b) Remove the 3 nuts and cover.

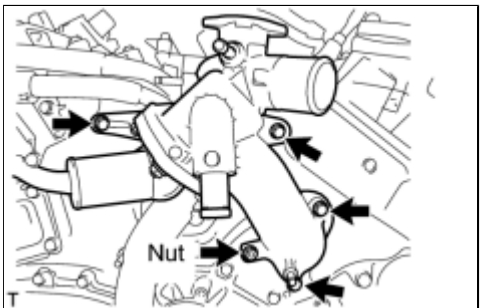
14. REMOVE NO. 1 ENGINE COVER INFO

15. REMOVE INJECTOR DRIVER INFO

16. REMOVE WATER INLET

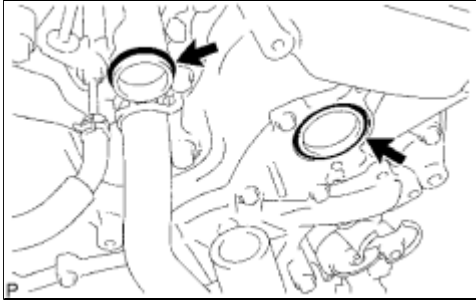


(a) Disconnect the 5 hoses.



(b) Remove the 4 bolts, nut and water inlet.

(c) Remove the water inlet housing gasket and water outlet



pipe's O-ring.

17. REMOVE NO. 1 COOLER REFRIGERANT SUCTION HOSE INFO

18. REMOVE DISCHARGE HOSE SUB-ASSEMBLY INFO

19. REMOVE COOLER COMPRESSOR ASSEMBLY (for 2WD) INFO

20. REMOVE OIL FILTER BRACKET (for 4WD) INFO

21. REMOVE OIL FILTER BRACKET SUB-ASSEMBLY (for 4WD) INFO

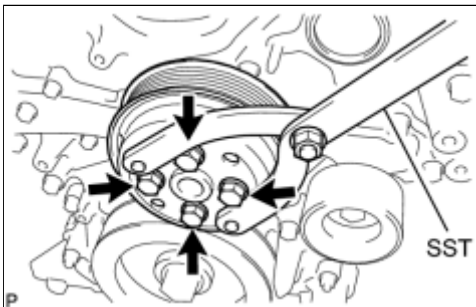
22. REMOVE COOLER COMPRESSOR ASSEMBLY (for 4WD) INFO

23. REMOVE NO. 2 IDLER PULLEY SUB-ASSEMBLY INFO

24. REMOVE V-RIBBED BELT TENSIONER ASSEMBLY (for 2WD) INFO

25. REMOVE V-RIBBED BELT TENSIONER ASSEMBLY (for 4WD) INFO

Just remove the tensioner pulley not the complete assembly



26. REMOVE WATER PUMP PULLEY

(a) Using SST, hold the water pump pulley.

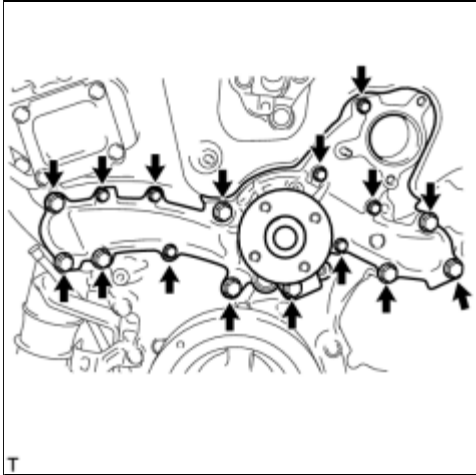
SST: 09960-10010

09962-01000

09963-00700

(b) Remove the 4 bolts and water pump pulley.

You don't need this tool, just loosen the bolts before you take the belt off



27. REMOVE WATER PUMP ASSEMBLY

- (a) Remove the 16 bolts, water pump and gasket.

