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| Last Modified: 7-13-2007 | | 1.6 A |
| Service Category: Engine/Hybrid System | Section: Cooling | |
| Model Year: 2008 | Model: ES350 | Doc ID: RM0000011PG00LX |
| Title: 2GR-FE COOLING: WATER PUMP: REMOVAL (2008 ES350) | | |

REMOVAL

1. REMOVE ENGINE ASSEMBLY WITH TRANSAXLE

HINT:

INFO

2. SECURE ENGINE STAND

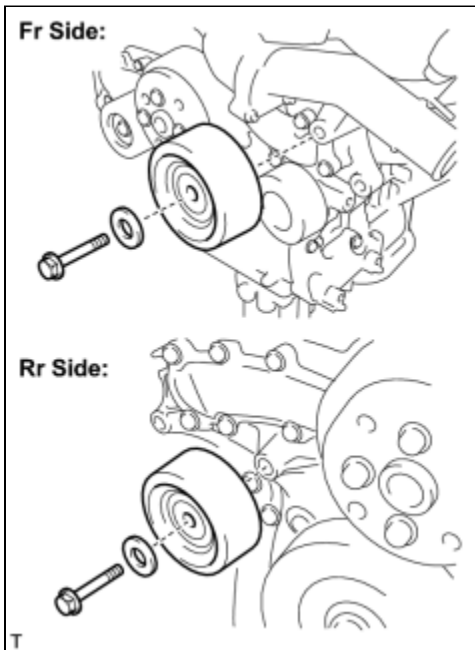
HINT:

INFO

3. REMOVE NO. 1 ENGINE MOUNTING BRACKET FRONT LH

INFO

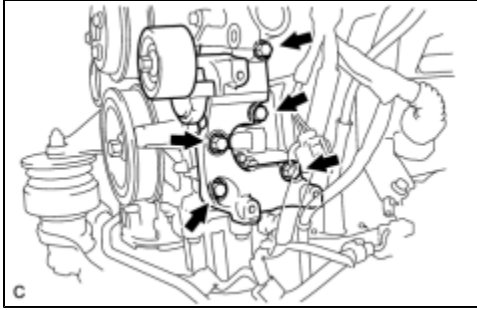
4. REMOVE NO. 2 IDLER PULLEY SUB-ASSEMBLY



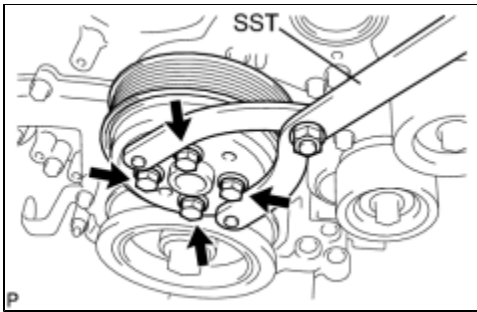
- (a) Remove the 2 bolts, 2 idler pulley cover plates and 2 idler pulley sub-assemblies.

5. REMOVE V-RIBBED BELT TENSIONER ASSEMBLY

- (a) Remove the 5 bolts and the V-ribbed belt tensioner assembly.



6. REMOVE WATER PUMP PULLEY



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

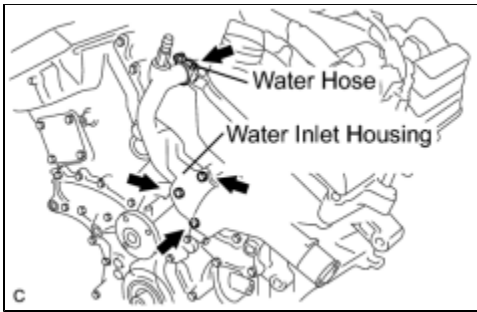
SST: 09960-10010

09962-01000

09963-00700

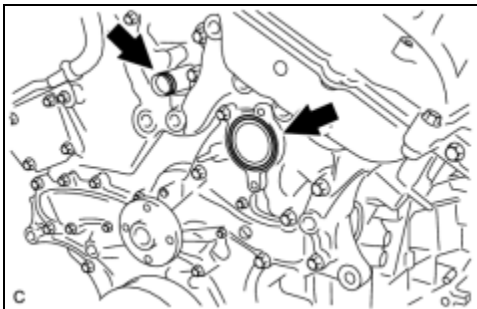
(b) Remove the 4 bolts and water pump pulley.

7. REMOVE WATER INLET HOUSING



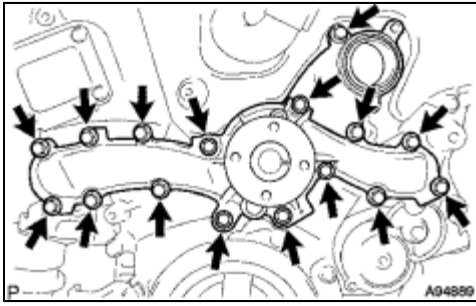
(a) Disconnect the water hose.

(b) Remove the 2 bolts, nut and water inlet housing.



(c) Remove the water inlet housing gasket and water outlet pipe O-ring.

8. REMOVE WATER PUMP ASSEMBLY



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

