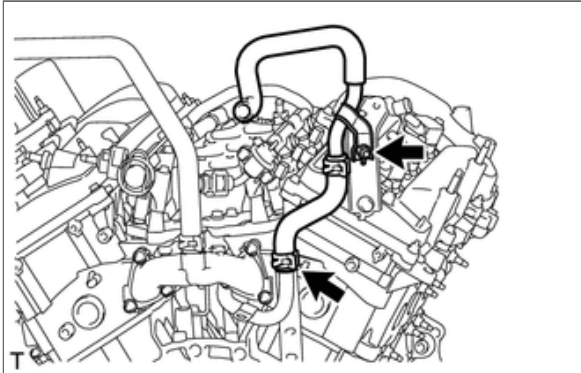
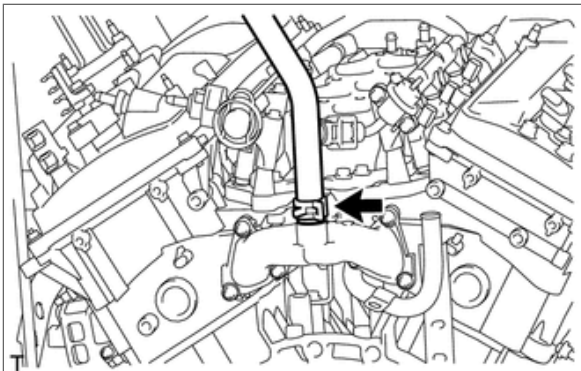


PROCEDURE**1.REMOVE WATER HOSE SUB-ASSEMBLY****87209****a.**

Slide the hose clamp and remove the nut and water hose sub-assembly.

2.REMOVE OUTLET HEATER WATER HOSE**87246A****a.**

Slide the hose clamp and remove the outlet heater water hose.

3.REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY AND NO. 2 FUEL PIPE SUB-ASSEMBLY**23801P**

[Click here](#)Engine / Hybrid System>1GR-FE LUBRICATION>OIL PUMP>REMOVAL

4.REMOVE FUEL DELIVERY PIPE SUB-ASSEMBLY**23807**

[Click here](#)Engine / Hybrid System>1GR-FE FUEL>FUEL INJECTOR>REMOVAL

5.REMOVE FUEL INJECTOR ASSEMBLY**23250**

[Click here](#)Engine / Hybrid System>1GR-FE FUEL>FUEL INJECTOR>REMOVAL

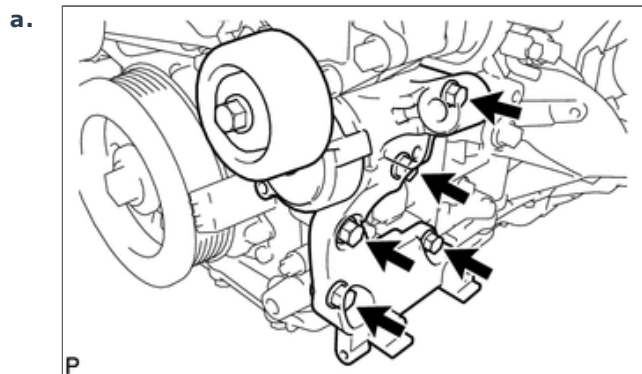
6.REMOVE INTAKE MANIFOLD**17111**

[Click here](#)Engine / Hybrid System>1GR-FE INTAKE / EXHAUST>INTAKE MANIFOLD>REMOVAL

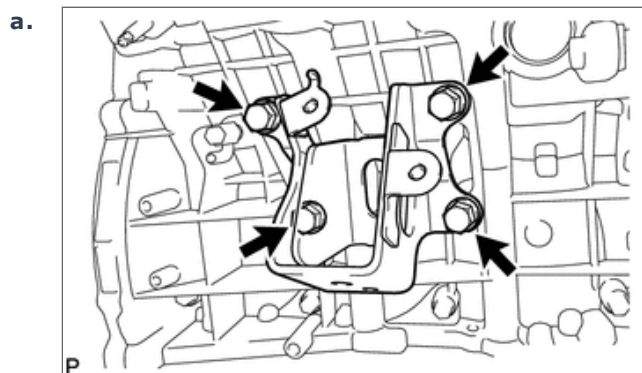
7.REMOVE ENGINE WIRE

a. Remove the engine wire.

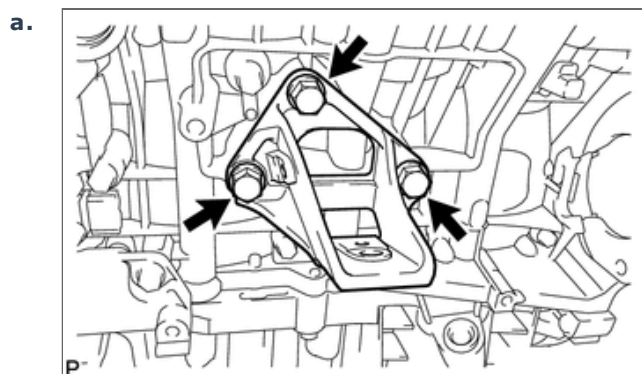
Click here [Engine / Hybrid System>1GR-FE ENGINE CONTROL>IGNITION COIL AND SPARK PLUG>REMOVAL](#)



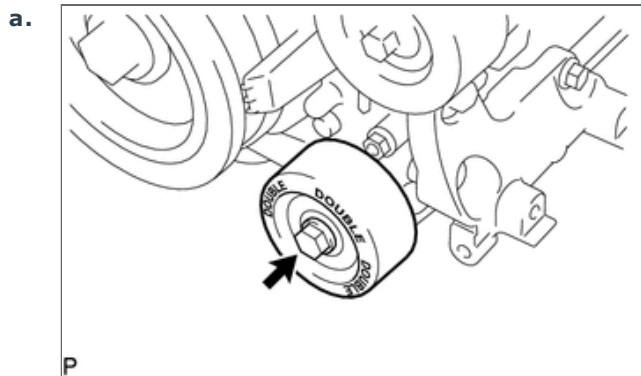
Remove the 5 bolts and V-ribbed belt tensioner assembly.



Remove the 4 bolts and front No. 1 engine mounting bracket RH.



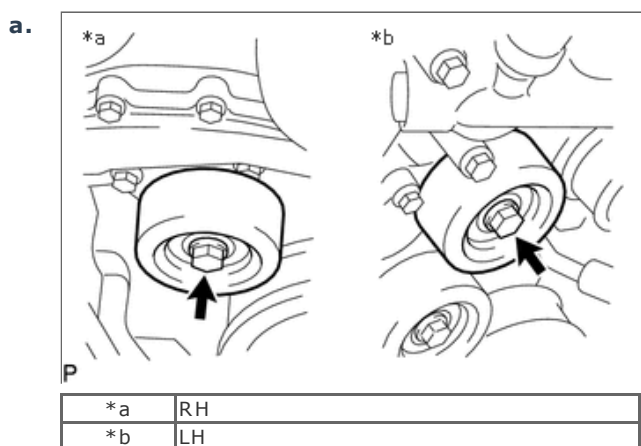
Remove the 3 bolts and front No. 1 engine mounting bracket LH.



Remove the bolt and No. 1 idler pulley sub-assembly.

13.REMOVE NO. 2 IDLER PULLEY SUB-ASSEMBLY

16604



for Cover Separate Type:

Remove the 2 bolts, 2 idler pulley cover plates, 2 No. 2 idler pulley cover plates and 2 No. 2 idler pulley sub-assemblies.

b. for Cover Integrated Type:

Remove the 2 bolts and 2 No. 2 idler pulley sub-assemblies.

14.REMOVE FLYWHEEL RING GEAR

13453

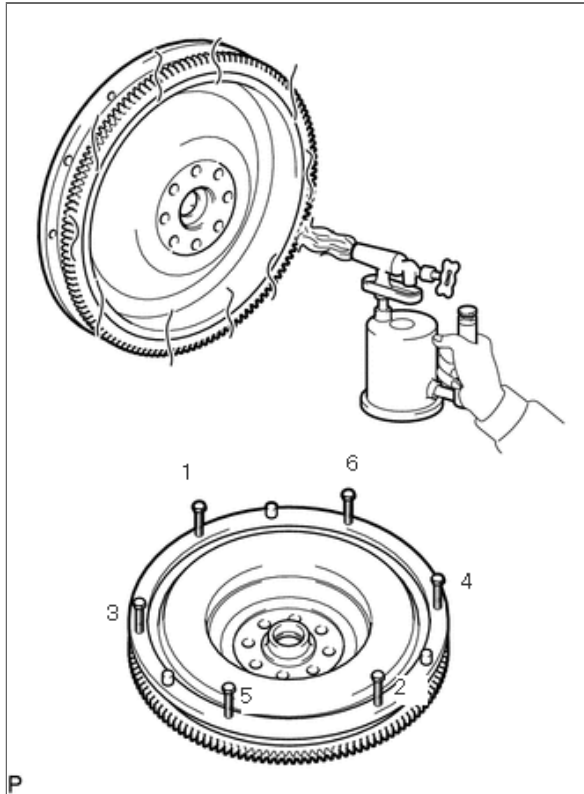
CAUTION:

Wear protective gloves. Hot areas on the flywheel ring gear may injure your hands.

HINT:

If the flywheel ring gear is deformed or damaged, replace it.

a.



Using a torch, heat the ring flywheel ring gear evenly to approximately 200°C (392°F).

- b.** Temporarily install 6 bolts (8 mm x 1.25 pitch) with a length of 70 mm (2.76 in.) or more to the flywheel sub-assembly.
- c.** Uniformly tighten the 6 bolts in the order shown in the illustration.
- d.** Remove the flywheel ring gear from the flywheel sub-assembly.