

POWER ASSIST SYSTEMS VANE PUMP(for 1GR-FE) REMOVAL

PROCEDURE

1. PRECAUTION

NOTICE:

After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) battery terminal. Therefore, make sure to read the disconnecting the cable from the negative (-) battery terminal notices before proceeding with work.

[Click here](#)[General>INTRODUCTION>REPAIR INSTRUCTION>PRECAUTION](#)

2.DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

3.REMOVE AIR CLEANER CAP SUB-ASSEMBLY WITH NO. 1 AIR CLEANER HOSE

17705

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

4.REMOVE AIR CLEANER FILTER ELEMENT SUB-ASSEMBLY

17801

[Click here](#)[Engine / Hybrid System>1GR-FE ENGINE MECHANICAL>ENGINE ASSEMBLY>REMOVAL](#)

5.REMOVE AIR CLEANER ASSEMBLY

17700

[Click here](#)[Engine / Hybrid System>1GR-FE ENGINE MECHANICAL>ENGINE ASSEMBLY>REMOVAL](#)

6.REMOVE FAN AND GENERATOR V BELT

16361A

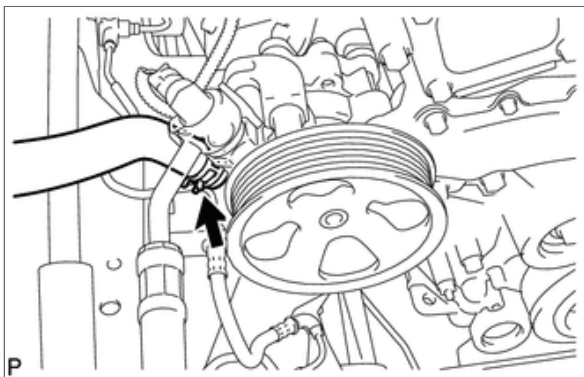
[Click here](#)[Engine / Hybrid System>1GR-FE ENGINE MECHANICAL>DRIVE BELT>REMOVAL](#)

7.DRAIN POWER STEERING FLUID

8.DISCONNECT NO. 1 OIL RESERVOIR TO PUMP HOSE

44348A

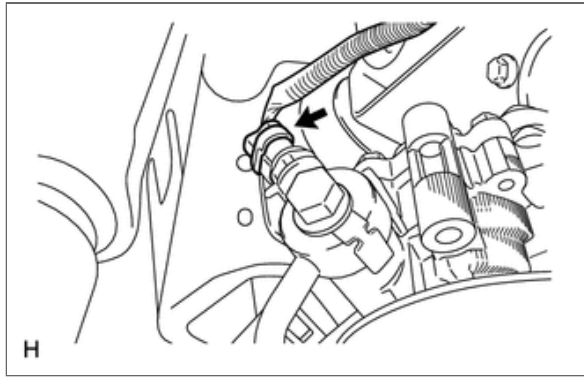
a.



Slide the clip and disconnect the No. 1 oil reservoir to pump hose from the vane pump assembly.

9.DISCONNECT POWER STEERING OIL PRESSURE SWITCH CONNECTOR

a.



Disconnect the power steering oil pressure switch connector.

10.DISCONNECT PRESSURE FEED TUBE ASSEMBLY

44410

a.

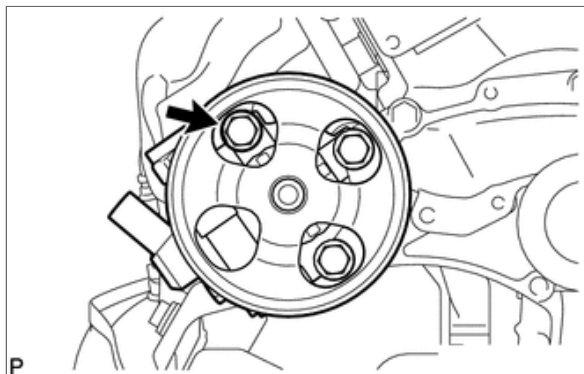


Remove the union bolt and disconnect the pressure feed tube assembly.

b. Remove the gasket from the pressure feed tube assembly.

11.REMOVE WIRE HARNESS BRACKET

a.

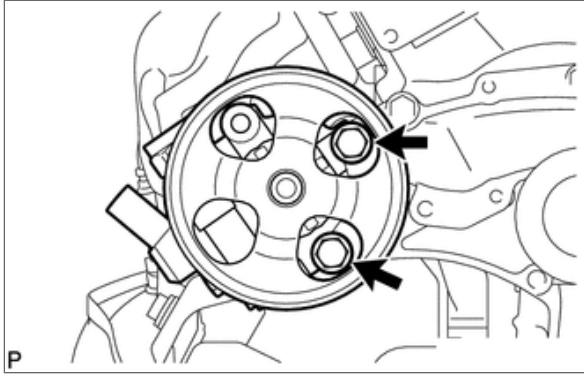


Remove the bolt and wire harness bracket.

12.REMOVE VANE PUMP ASSEMBLY

44310

a.



Remove the 2 bolts and vane pump assembly.