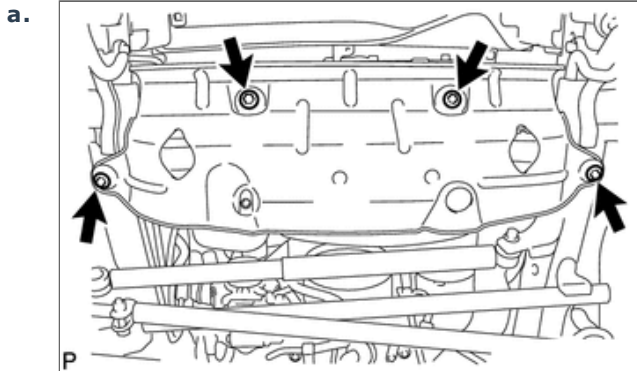


1GR-FE COOLING RADIATOR REMOVAL

PROCEDURE

1.REMOVE NO. 2 ENGINE UNDER COVER

51442



Remove the 4 bolts and No. 2 engine under cover.

2.DRAIN ENGINE COOLANT

[Click here](#)Engine / Hybrid System>1GR-FE COOLING>COOLANT>REPLACEMENT

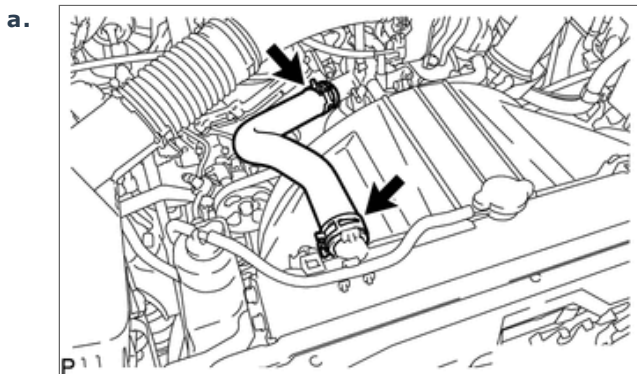
3.REMOVE RADIATOR GRILLE

53111

[Click here](#)Vehicle Exterior>EXTERIOR PANELS / TRIM>RADIATOR GRILLE>REMOVAL

4.REMOVE NO. 1 RADIATOR HOSE

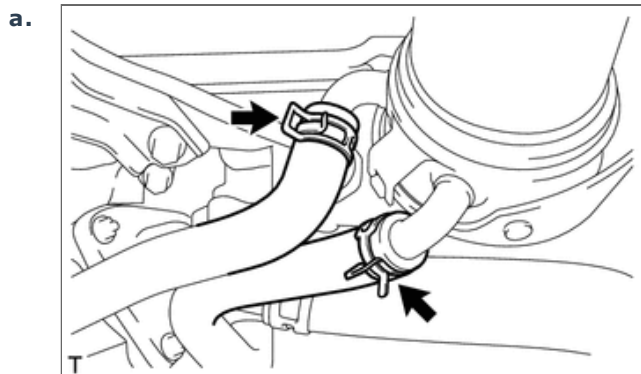
16571C



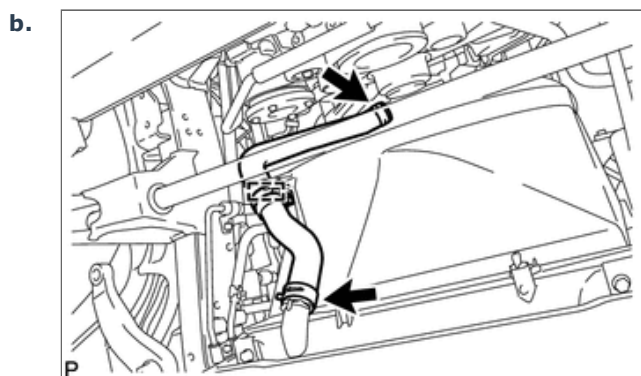
Slide the 2 hose clamps and remove the No. 1 radiator hose from the radiator assembly and water inlet housing.

5.REMOVE NO. 2 RADIATOR HOSE

16572D

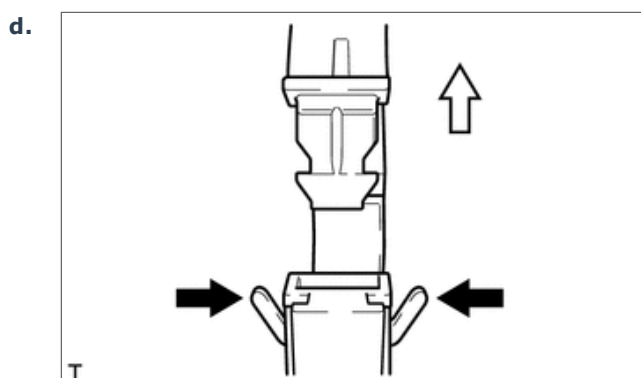


Slide the 2 hose clamps and disconnect the oil cooler hose and No. 2 oil cooler hose from the oil cooler assembly.



Slide the 2 hose clamps and remove the No. 2 radiator hose from the radiator assembly and water inlet housing.

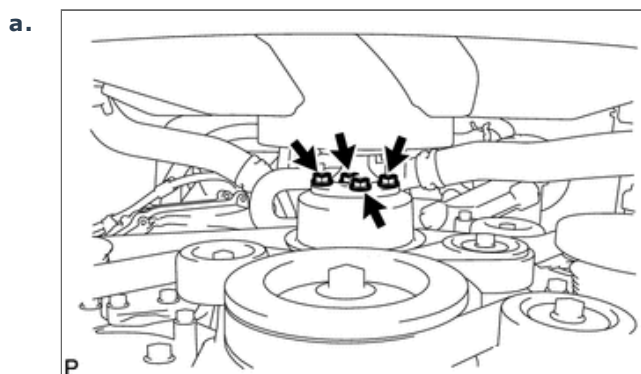
c. Detach the clamp.



As shown in the illustration, open the hose clamp while pushing in the claws on both sides of the clamp, and then remove it.

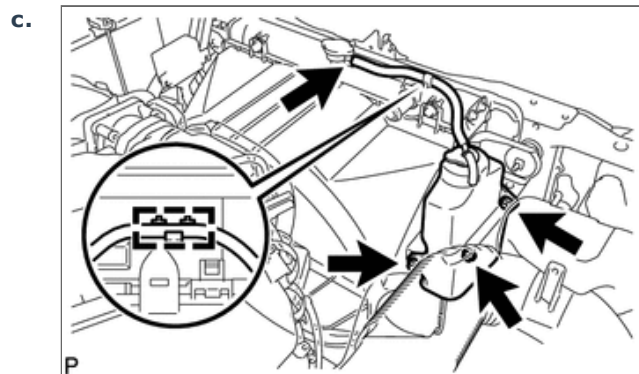
6.REMOVE FAN SHROUD

16711



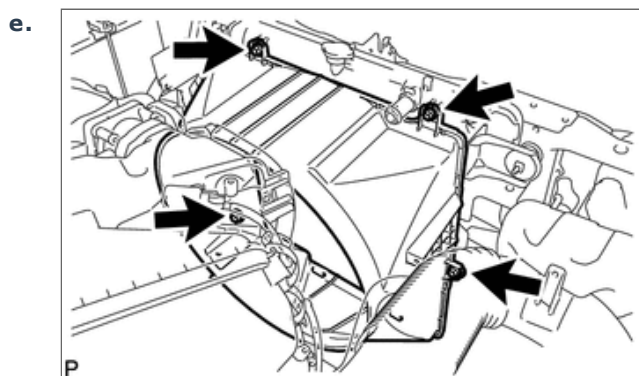
Loosen the 4 nuts holding the fan with fluid coupling.

- b. Remove the fan and generator V-belt.
Click here [Engine / Hybrid System>1GR-FE ENGINE MECHANICAL>DRIVE BELT>REMOVAL](#)



Detach the clamp and disconnect the reservoir hose from the radiator assembly.

- d. Remove the 3 bolts and radiator reservoir.



Remove the 4 bolts holding the fan shroud.

- f. Remove the 4 nuts of the fan with fluid coupling, and then remove the fan shroud together with the fan with fluid coupling.

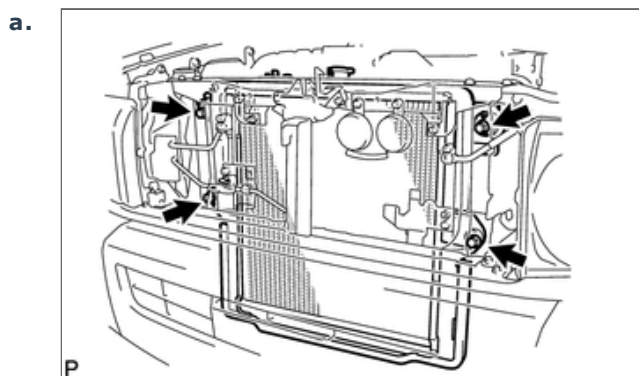
NOTICE:

Be careful not to damage the radiator core.

- g. Remove the fan pulley from the engine water pump assembly.

7.REMOVE RADIATOR ASSEMBLY

16400

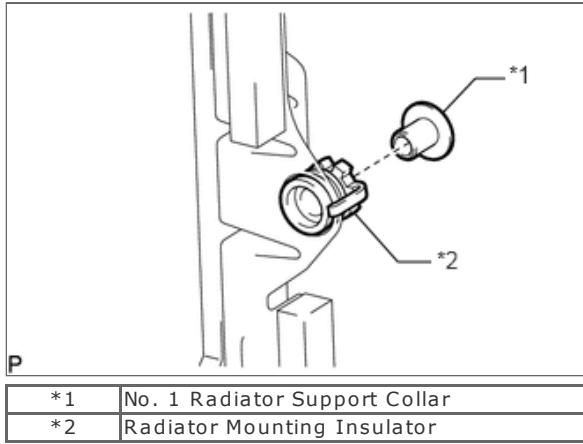


Remove the 4 bolts and radiator assembly.

8.REMOVE RADIATOR MOUNTING INSULATOR

16584

a.



Remove the 2 No. 1 radiator support collars and 2 radiator mounting insulators.