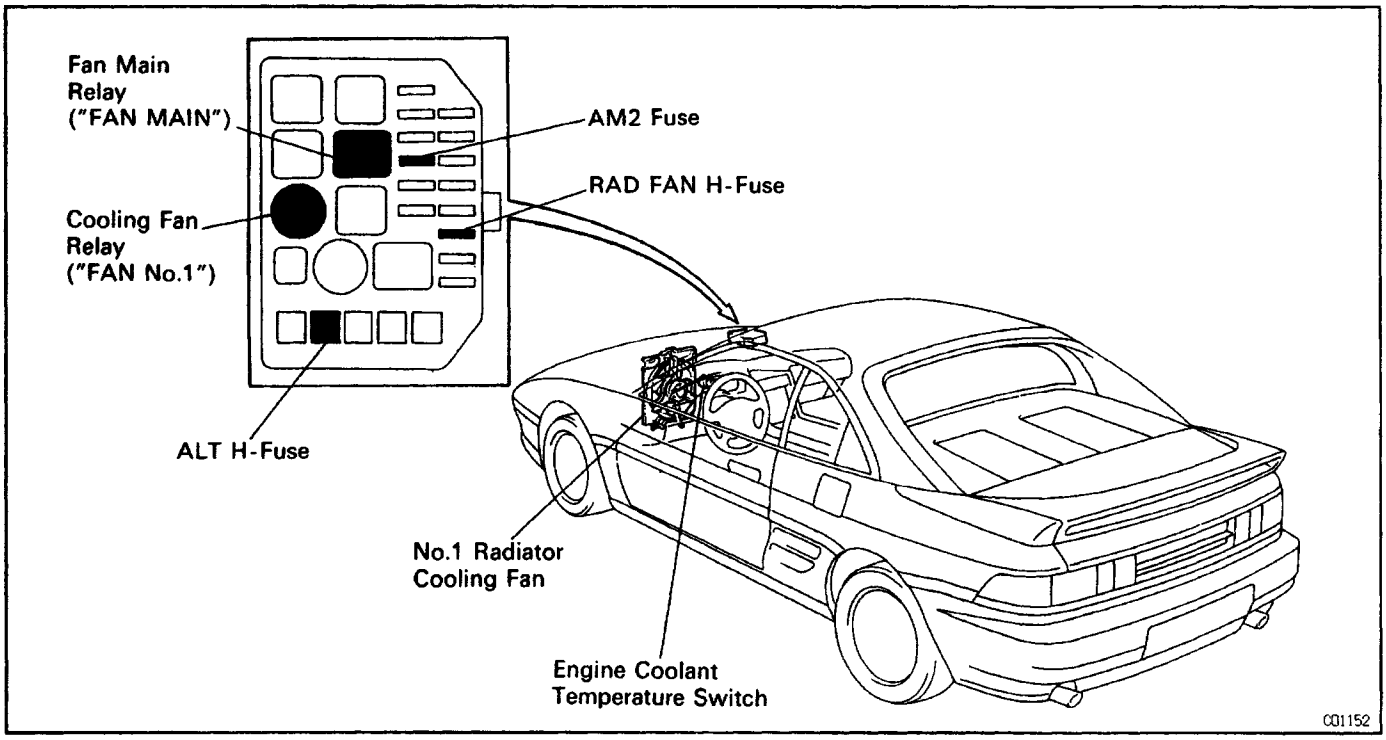
RADIATOR ELECTRIC COOLING FAN (Without AC)

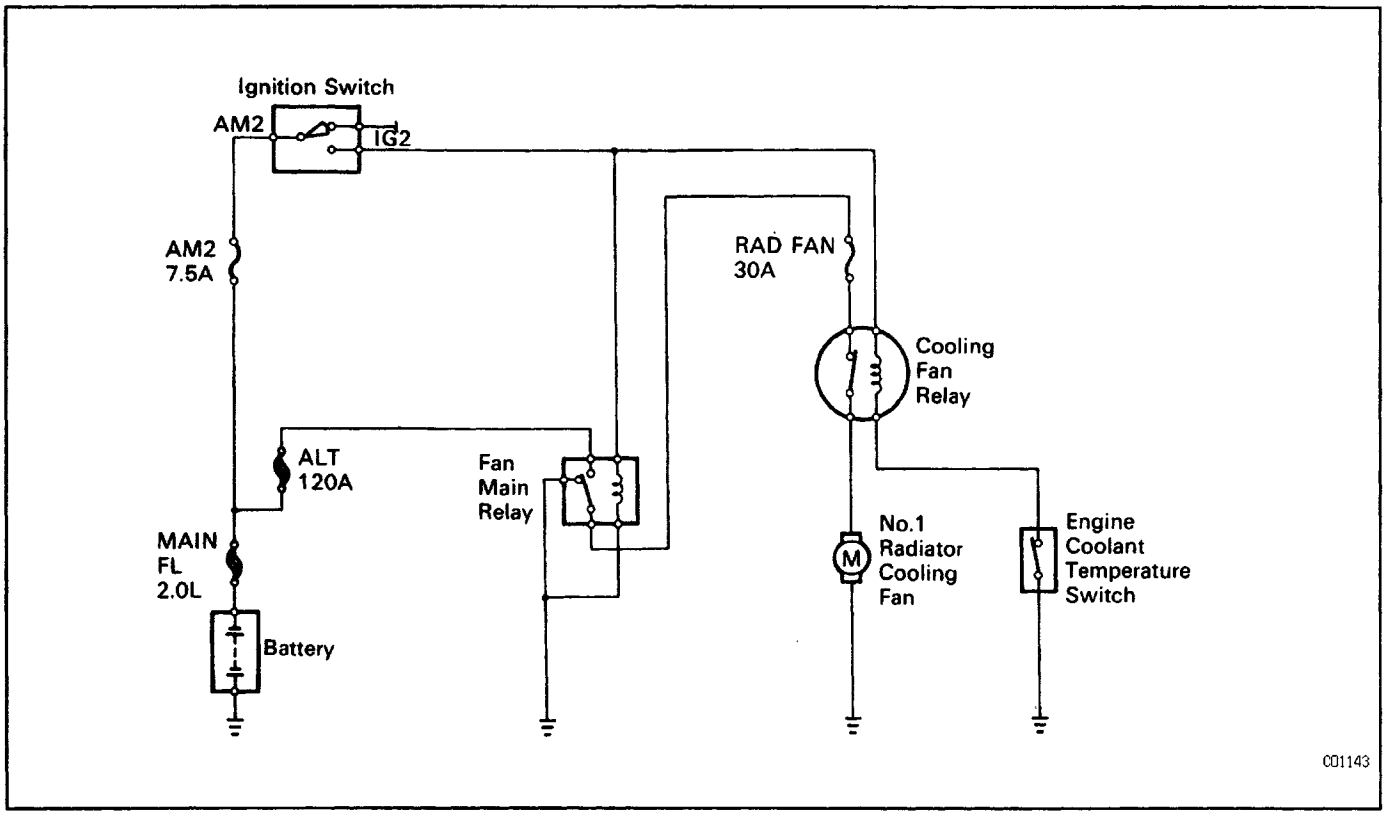
EG07B–01

Part Location



EG07C–07

System Circuit

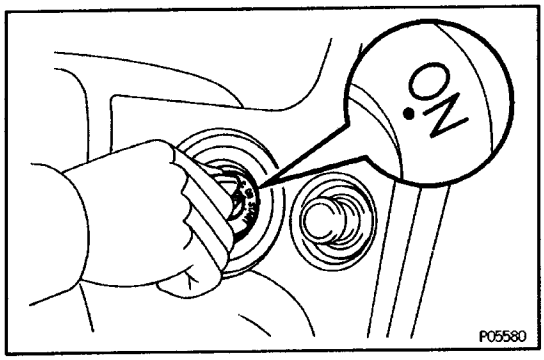


EG148–01

On–Vehicle Inspection

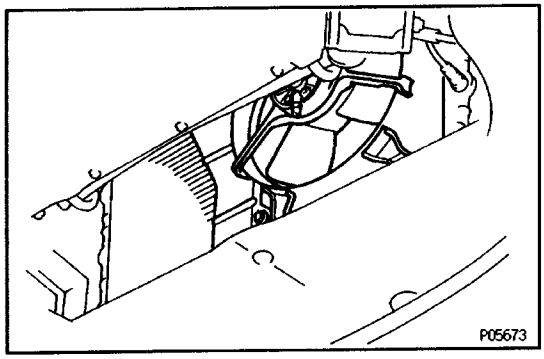
1. CHECK COOLING FAN OPERATION WITH LOW TEMPERATURE (Below 83°C (181°F))

(a) Turn the ignition switch ON.

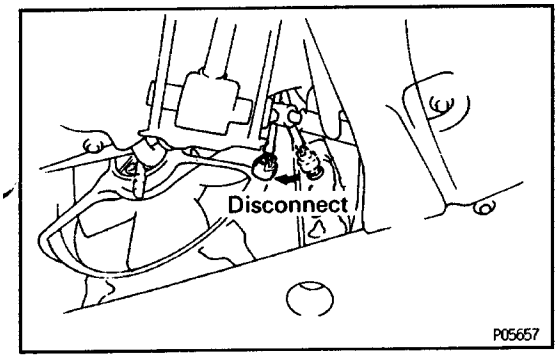


(b) Check that the cooling fan stops.

If not, check the cooling fan relay and engine coolant temperature switch, and check for a separated con–nector or severed wire between the cooling fan relay and engine coolant temperature switch.

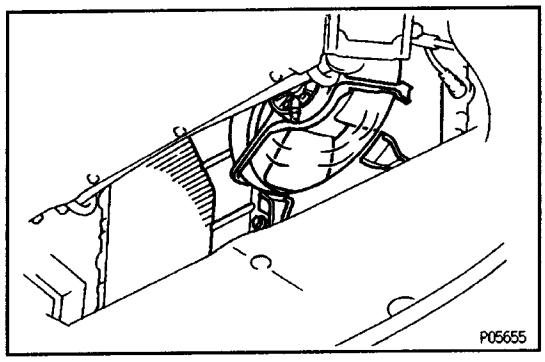


(c) Disconnect the engine coolant temperature switch.

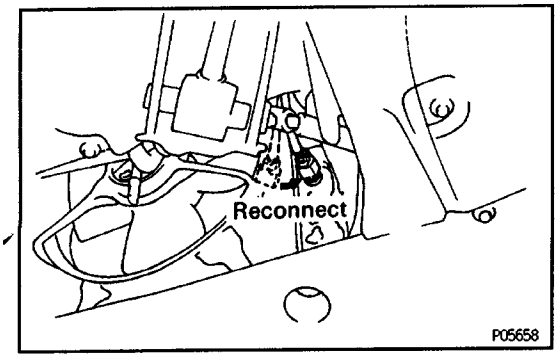


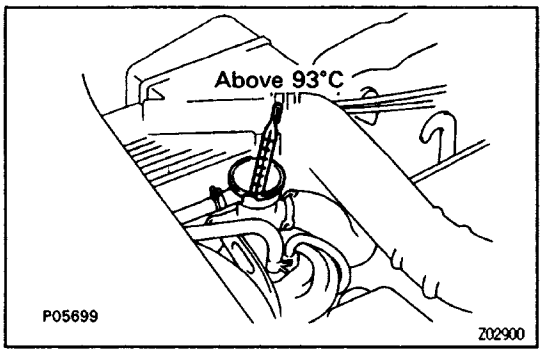
(d) Check that the cooling fan rotates.

If not, check the fan main relay, cooling fan relay, cooling fan, fuses, and check for short circuit between the cooling fan relay and engine coolant temperature switch.



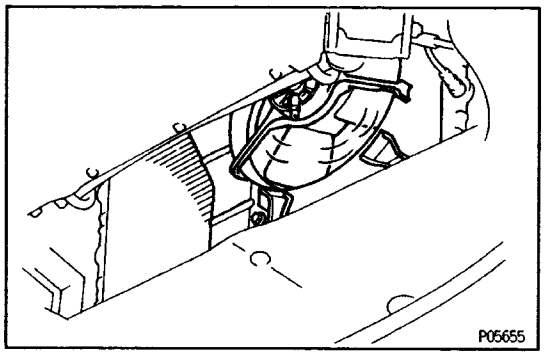
(e) Reconnect the engine coolant temperature switch.





2. CHECK COOLING FAN OPERATION WITH HIGH TEMPERATURE (Above 93˚C (199˚F))

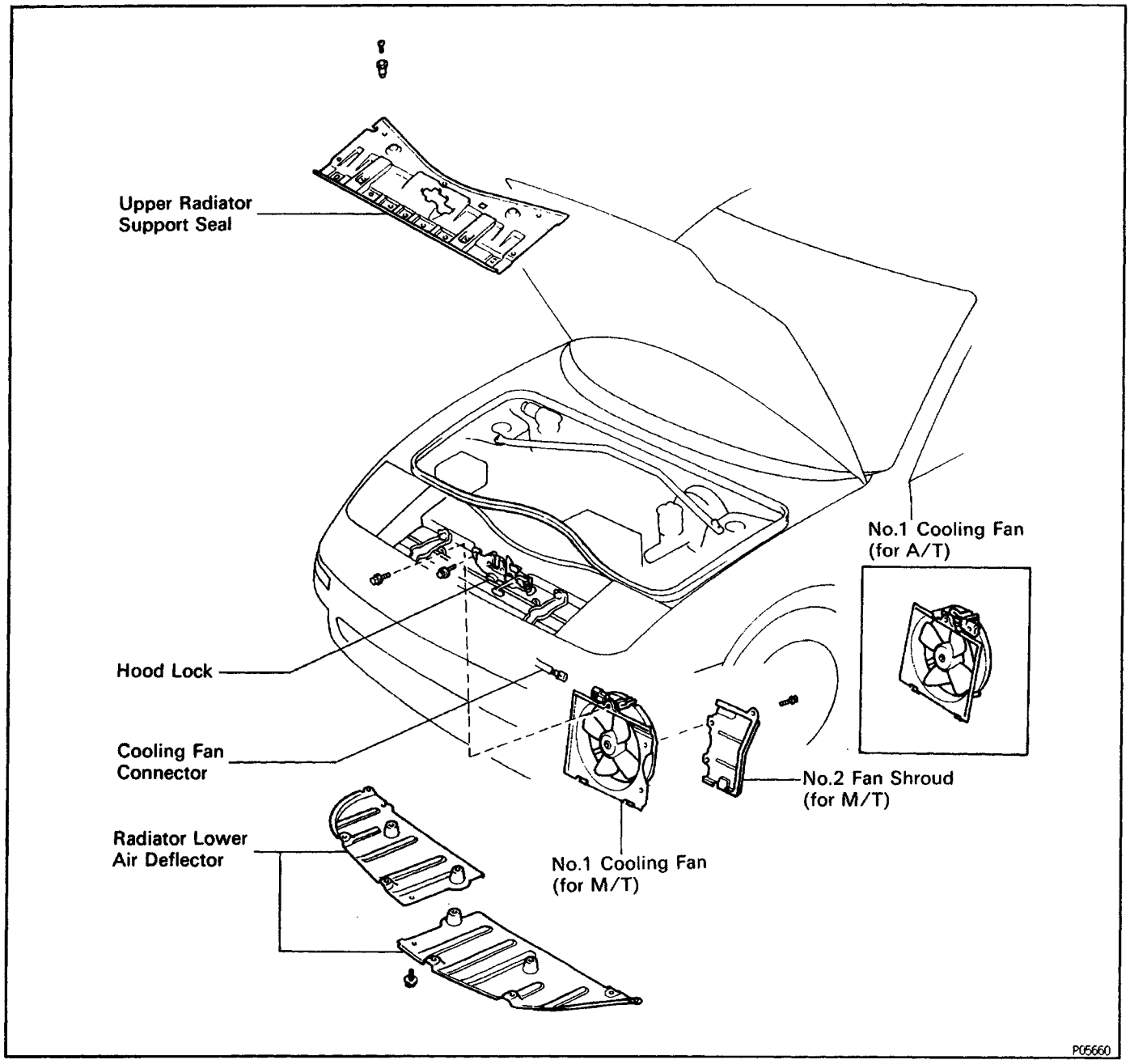
(a) Start the engine, and raise coolant temperature to above 93˚ C (199˚ F).

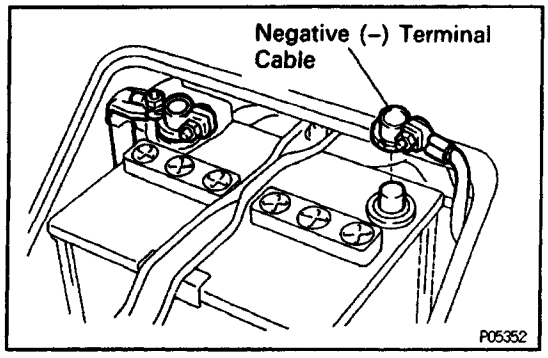


(b) Check that the cooling fan rotates.
If not, replace the engine coolant temperature switch.

EG149–01

NO.1 Cooling Fan
COMPONENTS FOR REMOVAL AND INSTALLATION





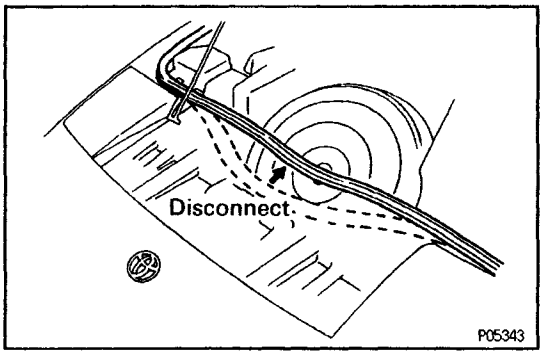
EG14A–01

NO.1 COOLING FAN INSPECTION

(See Components for Removal and Installation)

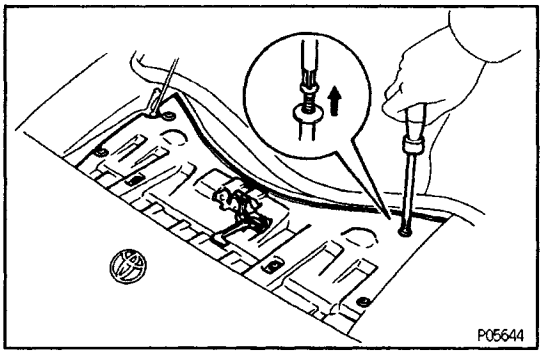
1. DISCONNECT CABE FROM NEGATIVE TERMINAL OF BATTERY

CAUTION: Turn the ignition switch to "LOCK". Disconnect the negative terminal from the battery. Wait at least 20 seconds before proceeding with work.



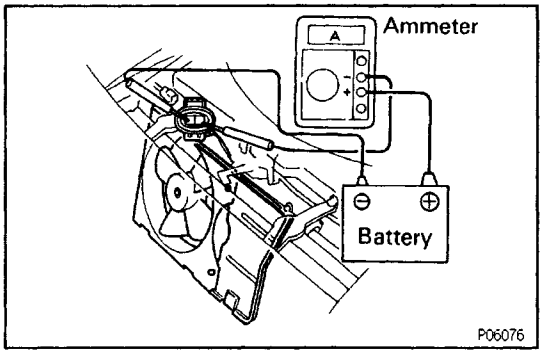
2. REMOVE UPPER RADIATOR SUPPORT SEAL

(a) Disconnect the hood weatherstrip.



(b) Remove the clips.

(c) Remove the two hood lock mounting bolts, and remove the support seal.



3. INSPECT NO.1 COOLING FAN

(a) Disconnect the fan connector.

(b) Connect battery and ammeter to the cooling fan connector.

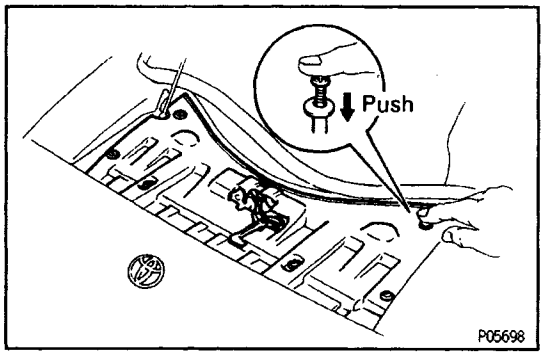
(c) Check that the cooling fan rotates smoothly, and check the reading on the ammeter.

Standard amperage:

5.8 – 7.4 A for M/T

8.8 – 10.8 A for A/T

(d) Reconnect the fan connector.

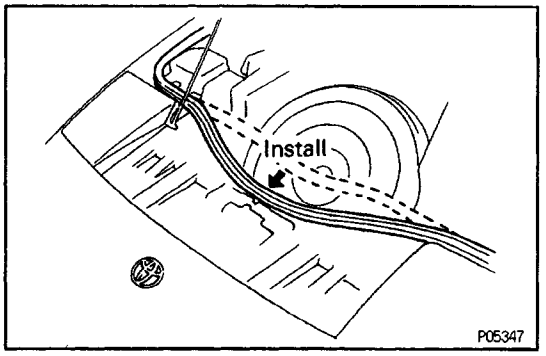


4. REINSTALL UPPER RADIATOR SUPPORT SEAL

(a) Temporarily install the hood lock with the RH side bolt.

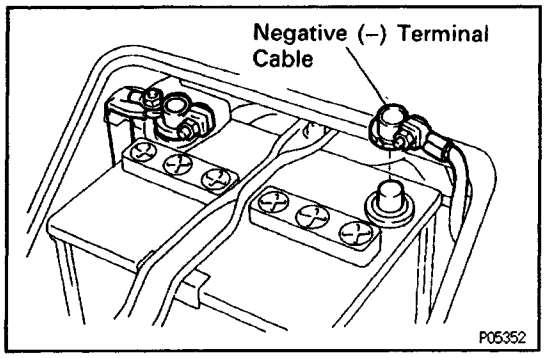
(b) Place the support seal in position.

(c) Install the hood lock with the two bolts.



(d) Install the hood weatherstrip.

5. RECONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY



EG14C–01

NO.1 COOLING FAN REMOVAL

(See Components for Removal and Installation)

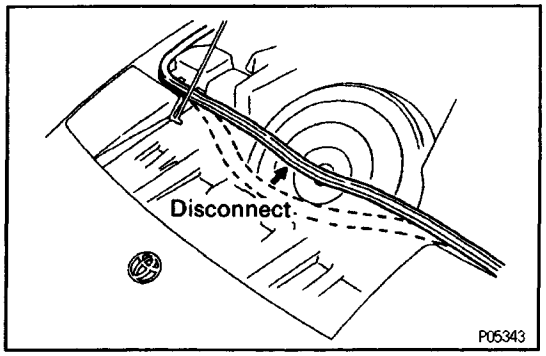
1. DISCONNECT CABE FROM NEGATIVE TERMINAL OF BATTERY

CAUTION: Turn the ignition switch to 'LOCK'. Disconnect the negative terminal from the battery. Wait at least 20 seconds before proceeding with work.

2. REMOVE RADIATOR LOWER AIR DEFLECTOR

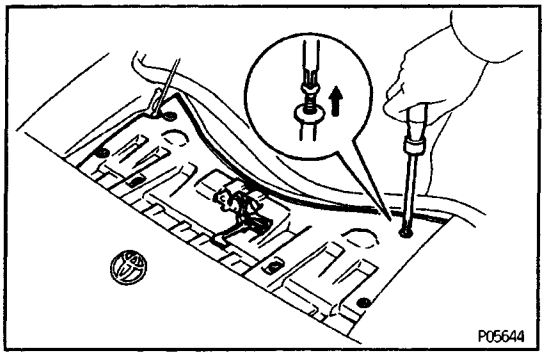
3. REMOVE UPPER RADIATOR SUPPORT SEAL

(a) Disconnect the hood weatherstrip.



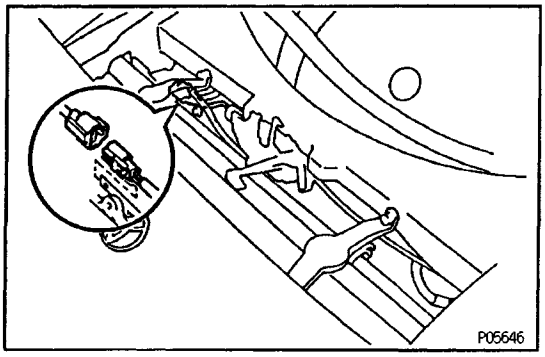
(b) Remove the clips.

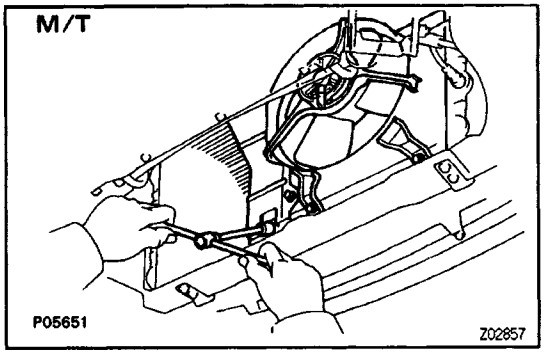
(c) Remove the two hood lock mounting bolts, and remove the support seal.



4. REMOVE NO.1 COOLING FAN

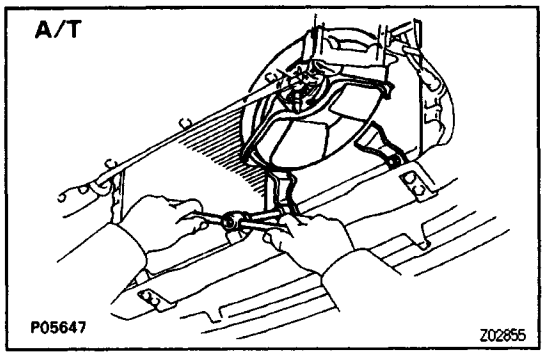
(a) Disconnect the cooling fan connector.





(b) (M/T)

Remove the five bolts and No.2 fan shroud. Remove the three bolts and No.1 cooling fan.



(c) (A/T)

Remove the three bolts and cooling fan.

COMPONENTS FOR DISASSEMBLY AND ASSEMBLY

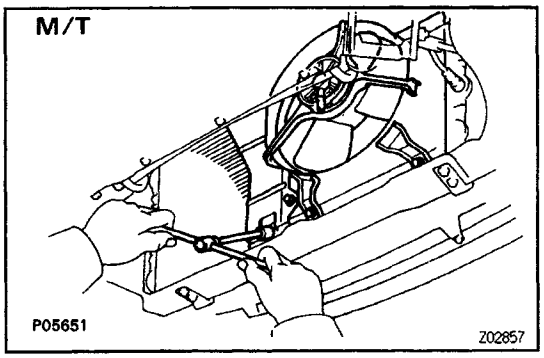
(See Radiator Cooling Fens (w/ A/C))

NO.1 COOLING FAN DISASSEMBLY EG07J–03

(See Radiator Cooling Fans (w/ A/C))

NO.1 COOLING FAN ASSEMBLY EG14E–01

(See Radiator Cooling Fans (w/ A/C))



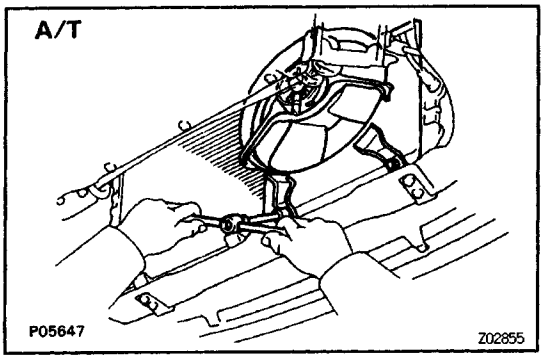
NO.1 COOLING FAN INSTALLATION

(See Components for Removal and Installation)

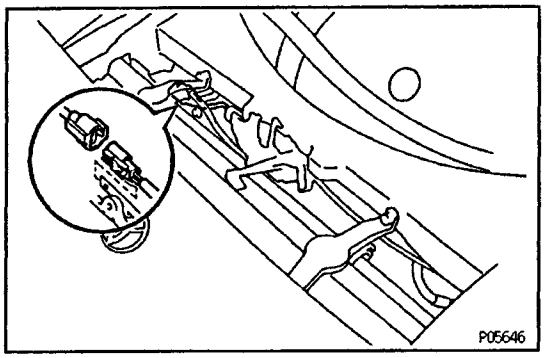
1. INSTALL NO.1 COOLING FAN

(a) (M /T)

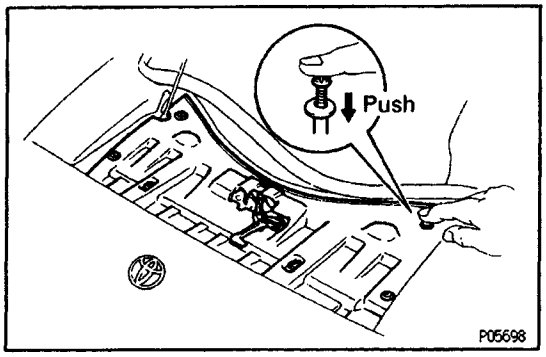
Install the No. 1 cooling fan with the three bolts. Install the No.2 fan shroud with the five bolts.



(b) (A/T)
Install the cooling fan with the three bolts.

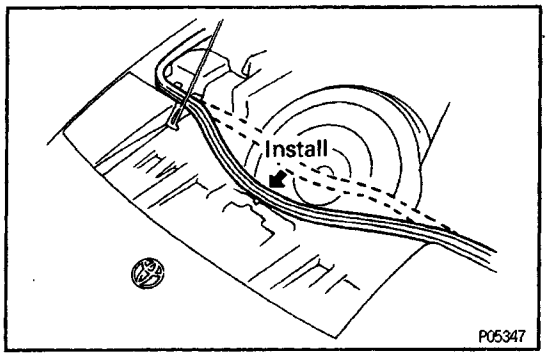


(c) Connect the cooling fan connector.



2. INSTALL UPPER RADIATOR SUPPORT SEAL

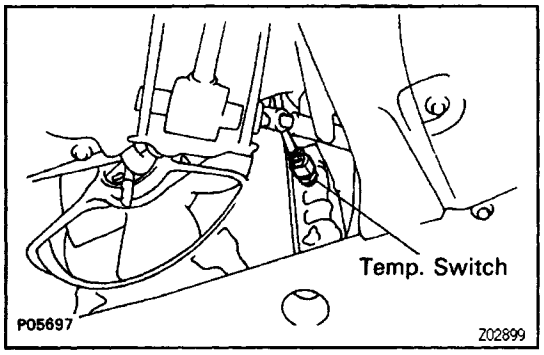
(a) Temporarily install the hood lock with the RH side bolt.
(b) Place the support seal in position.
(c) Install the hood lock with the two bolts.



(d) Install the hood weatherstrip.

3. INSTALL RADIATOR LOWER AIR DEFLECTOR

4. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY

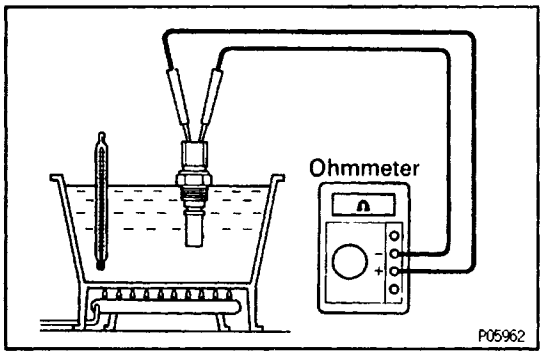


Engine Coolant Temperature Switch EG14J–01

ENGINE COOLANT TEMPERATURE SWITCH INSPECTION

1. DRAIN ENGINE COOLANT

2. REMOVE ENGINE COOLANT TEMPERATURE SWITCH



3. INSPECT ENGINE COOLANT TEMPERATURE SWITCH

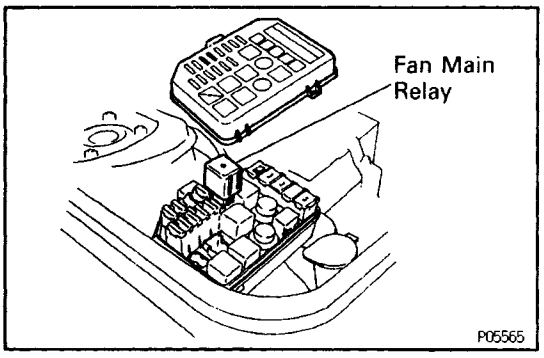
(a) Using an ohmmeter, check that there is no continuity between the terminals when the coolant temperature is above 93˚C (199˚F).

(b) Using an ohmmeter, check that there is continuity between the terminals when the coolant temperature is below 83˚C (181˚F).

If continuity is not as specified, replace the switch.

4. REINSTALL ENGINE COOLANT TEMPERATURE SWITCH

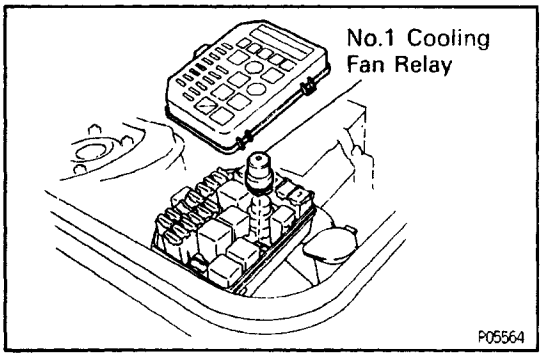
5. REFILL WITH ENGINE COOLANT



Fan Main Relay (”FAN MAIN”) EG14K–01

FAN MAIN RELAY INSPECTION

(See Radiator Cooling Fans (w/ A/C))



No.1 Cooling Fan Relay (”FAN N0.1”) EG14L–01

No.7 COOLING FAN RELAY INSPECTION

(See Radiator Cooling Fans (w/ A/C))