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2016 Toyota Corolla Service and Repair Manual

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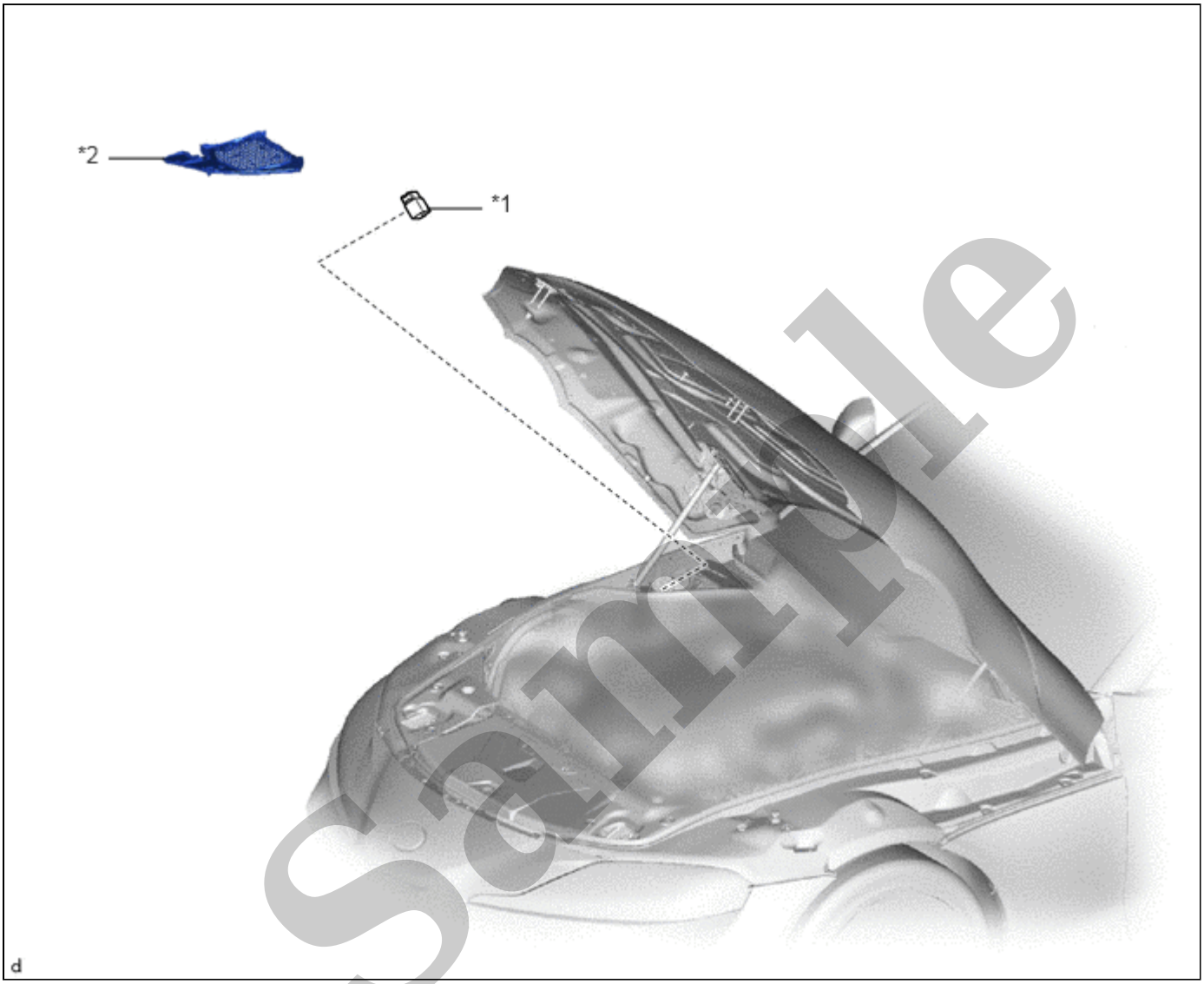
Last Modified: 07-26-2024	6.11:8.1.0	**Doc ID:** RM100000001R4WR
Model Year Start: 2021	**Model:** Supra	**Prod Date Range:** [07/2020 -]
Title: B48 (COOLING): COOLING FAN RELAY: COMPONENTS; 2021 - 2025 MY Supra [07/2020 -]		

COMPONENTS

ILLUSTRATION



*1	COOLING FAN RELAY	*2	COWL VENT COVER RH

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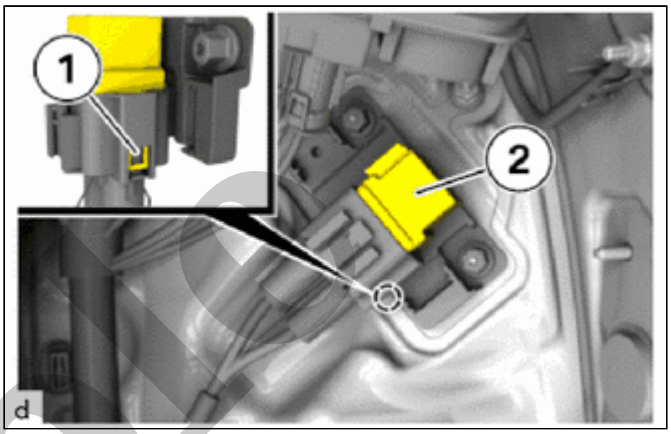
INSTALLATION

PROCEDURE

1. INSTALL COOLING FAN RELAY



(a) Connect and lock cooing fan relay (2).

HINT:

Latch mechanism (1) must engage audibly.

2. INSTALL COWL VENT COVER RH

Click here INFO

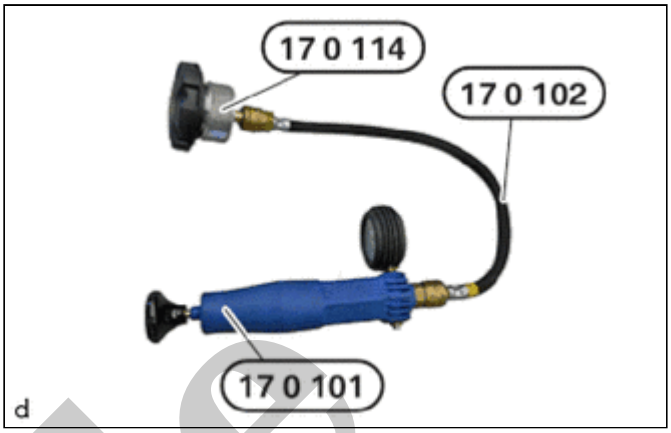
3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here INFO

- When driving at high ambient temperatures, the design may cause the pressure relief valve in the reserve tank cap sub-assembly to open slightly and air to escape together with dissolved coolant.
- This coolant vapor condenses on the surface of the radiator reserve tank assembly and leaves traces of coolant when the vehicle has cooled down. These traces of coolant do not indicate whether the reserve tank cap sub-assembly is defective or not.
- Escaping coolant vapor when the vehicle is at standstill may cause the pressure relief valve to stick to the reserve tank cap sub-assembly. This may cause an incorrect opening pressure.

(d) Screw on reserve tank cap sub-assembly (1) on special tool 0 494 643 (17 0 114) from the set of special tools 0 494 417 (17 0 100).

SST: 09200-WA050



(e) Build up the pressure with special tools 0 494 418 (17 0 101) and 0 494 419 (17 0 102) from the set of special tools 0 494 417 (17 0 100).

(f) Observe on the pressure measuring device when the opening pressure has been reached.

Maximum:

140 kPa (1.4 kgf/cm^2, 20 psi)

(g) Close reserve tank cap sub-assembly.

(h) Close the reserve tank cap sub-assembly until the arrows are flush.

2. INSPECT FOR COOLANT LEAK (for Low Temperature)

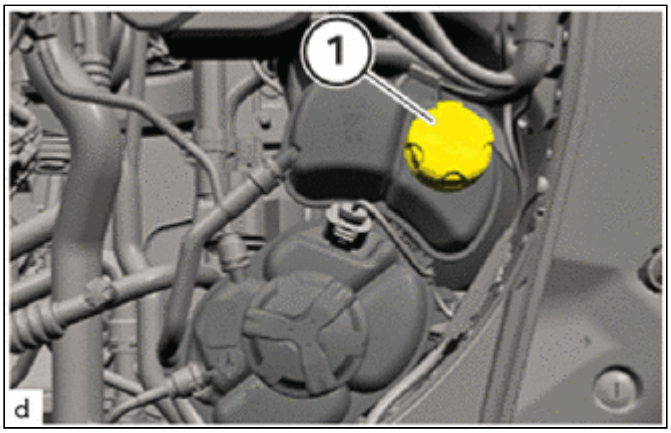
NOTICE:

- Hot surfaces.

  Risk of burning!

  - Perform all work only on components that have cooled down.

(a) Loosen radiator reserve tank cap sub-assembly (1).



(b) Attach the special tool 0 494 418 (17 0 101) with 0 494 419 (17 0 102) and 0 494 426 (17 0 109) from the set of special tools 0 494 417 (17 0 100).

(a) Check the connections, hose clamps and hoses for coolant residues and damage such as e.g. cracks.

(b) Check the coolant composition in both radiator reserve tank.

CAUTION:

- When engine assembly and radiator assembly is hot, do not remove the radiator cap sub-assembly and air release valve.
- Fluid and steam may spray out due to high pressure, possibly resulting in burns.

(c) Check the coolant level in both radiator reserve tank.

The filling level in the radiator reserve tank must be between the minimum and maximum mark.

(d) Adjust filling level in the radiator reserve tank to the desired filling level.

The according amount of coolant must be supplemented or drawn off.

HINT:

When using Antifreeze and Corrosion Inhibitor Frostox HT-12, dilute the Antifreeze and Corrosion Inhibitor Frostox HT-12 to 50% before using it.