COOL-PACK

Radiator Cooling System

1999 to 2006 Toyota Tundra and Sequoia, V8

Installation Instructions: Part No. 19512

PLEASE READ ALL OF THE INSTRUCTIONS BEFORE BEGINNING INSTALLATION OF THIS SYSTEM

FRONT VIEW 19512 Shown

REAR VIEW 19512 Shown

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Tools recommended:
Ratchet / socket set; 3/8 inch drive
Box wrench, 12mm
Mini-screw driver, flat blade (supplied)

Notes:
1. Verify that your vehicle's cooling system is functioning correctly. It is important that the coolant is fresh and properly mixed per factory specifications. The radiator should be free of any corrosion or blockage. Cooling system should be filled to factory specified level.

Equipment removal (Retain all bolts and nuts):
1. Remove the four shroud bolts that secure the shroud to the left and right radiator brackets. Remove the two clips that secure the upper and lower half of the shroud together.

2. Loosen and remove the four bolts that attach the fan clutch assembly to the water pump flange. Remove the shroud, fan clutch and fan assembly. Replace the four bolts removed and add supplied washers.

Cool-Pack Installation (Mechanical)

1. Carefully place the Cool-Pack assembly in position where the shroud was located.

2. Attach the Cool-Pack side brackets to the left and right radiator brackets using the shroud bolts removed in Step 1 of "Equipment Removal".

3. Insert the sensor probe through the foam pad, adhesive side out. Remove the adhesive backing and insert it into the radiator. The ideal probe location is three to five inches (3" to 5") below the top of the core in the center. Secure the probe wiring loom to prevent contact with the fan blades or any other moving parts. **Note:** Be sure that the probe and probe wire are away from the fan blade area. Allow 1" or more clearance.

Cool-Pack Installation (Electrical)

1. Disconnect the positive (red) battery cable. Remove the hex nut that tightens the terminal to the battery post.

2. Inspect and clean battery cable and terminal.

3a. Connect the blue Cool-Pack wire to the A/C Pressure Switch wire located on the dryer unit. **Note:** *If you are unsure or cannot locate the proper wire, it may be necessary to consult a repair manual or wiring schematic.* **Do not cut the A/C wire on the vehicle!** Use the provided wiretap instead. If vehicle does not have air conditioning, cut the wire and install a wire cap to the end of the wire.

3b. If a manual turn-on switch is desired, and there is no A/C connected in the system, the blue wire can be energized from a manual toggle switch to turn the unit on.
3c. If the vehicle does not have air conditioning, and a manual turn-on switch is not desired, cut the blue wire and install the provided wire cap to the end of the wire.

4. Connect the fused power wire to the battery cable terminal and replace the hex nut. At this time, you should also reconnect the battery cable to the battery.

5. Connect the black wire to body ground. Recommended attachment point is underneath the bolt that secures the upper radiator bracket to the radiator core support. the negative battery pigtail, or drill 1/8" hole in (metal) core support, frame, or fender well and use either of the sheet metal screws provided. To ensure a better electrical connection, scratch or scuff the paint surface where you will be attaching the wire.

Cool-Pack Adjustment:

1. After vehicle has reached normal operating temperature, the preset temperature (approx. 195˚F) controller can be adjusted for the fans to turn on at any temperature between 170˚F 220˚F.

2. Turn adjustment screw clockwise (CW) for a higher turn-on temperature. Conversely, turn the screw counterclockwise (CCW) for a lower turn-on temperature.

3. For units manufactured in 2022 or later, the adjustment is reverse! Turn the adjustment screw counterclockwise (CCW) for a higher turn on temperature. Conversely, turn the screw clockwise (CW) for a lower turn on temperature.

Note: Setting the turn-on temperature *to lower than 185˚F may affect vehicle emission control compliance.*

****The small blue adjustment screw can be found by following the power wire to where it enters the potted switch, next to the relay.****