



# Coolant Temperature Gauge Replacement Procedure



## #1 This Kit contains the following;

- One (1), Coolant Temperature Gauge with high temp warning LED and revised dial with green, yellow, and red color zones.
- One (1), Temperature Transmitter with gray rubber boot.
- One (1), Plastic Mounting Clamp
- Two (2), #10/32 Nuts
- Two (2), #10 Split Washers
- One (1), Installation instruction sheet, (which you're currently reading).

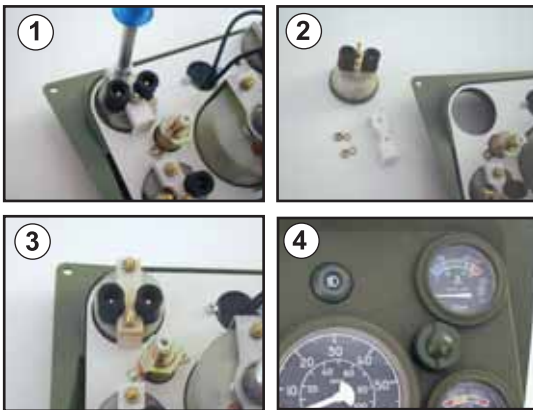
Remove this gauge.



Note: These instructions assume the Instrument panel is partially or completely removed from the vehicle dash panel with the rear side of the panel being accessible to persons performing the work described below.

**#2 Remove and replace temperature gauge.** The Instrument Panel (IP), in the vehicle you are working on to change the coolant temperature gauge to the upgraded version with LED warning light should look like the one shown here. If it does not, check with your superior or motor pool supervisor to confirm work to be performed.

Remove the Coolant Temperature gauge found in the upper right hand corner of the IP, (front view or, the upper left hand corner, rear view) This is the gauge with a range of 100 to 240 degrees Fahrenheit.



**#3 Disconnect electrical leads,** (if IP is still connected), loosen 2 #10 nuts, remove nuts, split washers and mounting clamp. Remove instrument from IP and install new Temperature gauge using nuts washers and mounting clamp provided.

NOTE: JUST 6 OR 7 INCH POUNDS (.8 nm) of torque are needed to secure gauge into panel. (OVER TIGHTENING MAY CAUSE INCORRECT READINGS OR PREVENT THIS INSTRUMENT FROM FUNCTIONING). Re-connect electrical leads and re-install IP.

Old Sender      New Sender



## #4 Replacing the Temperature Transmitter;

**WARNING:** Make sure the engine is cooled before attempting replacement of the Temperature Transmitter. Engine temperature can reach temperatures over 240°F and heated coolant can burn unprotected skin.

Note: It may be necessary to drain a portion of the coolant fluid from the engine before performing this next step.

Disconnect the electrical lead from the current transmitter, (found on the Left side of the engine block near the front), and remove the temperature transmitter, (with black rubber connector boot) using a 3/4 inch wrench or deep socket. Replace with New transmitter with Gray Rubber Boot and tighten to 30 foot pounds (22 nm) of torque. No sealant is required on the thread as this unit has a tapered thread and is self sealing.

Re-connect electrical lead.

