Toyota Land Cruiser 100/105 Series - Ambient Temperature Sensor Installation

Overview

This guide provides step-by-step instructions for installation the ambient air (outside) temperature sensor provided with the mod

Difficulty Level: Easy **Estimated Time:** 2-3 minutes **Model Years:** 1998-2007 (100/105 Series) excluding all FZJ105R

Required Tools

- Plastic trim remover tools (likely optional)

Precautions

- Plastic trim clips generally don't come off easily and don't survive, these can be purchased as a generic from Supercheap/Repco to replace, likely that you wont need to remove more than 2 or 3

Removal Procedure (All models)



Step 1: Ambient air temperature sensor is located inside the driver's side wheel arch, under the thin plastic guard

- Position is roughly marked with red arrow on image

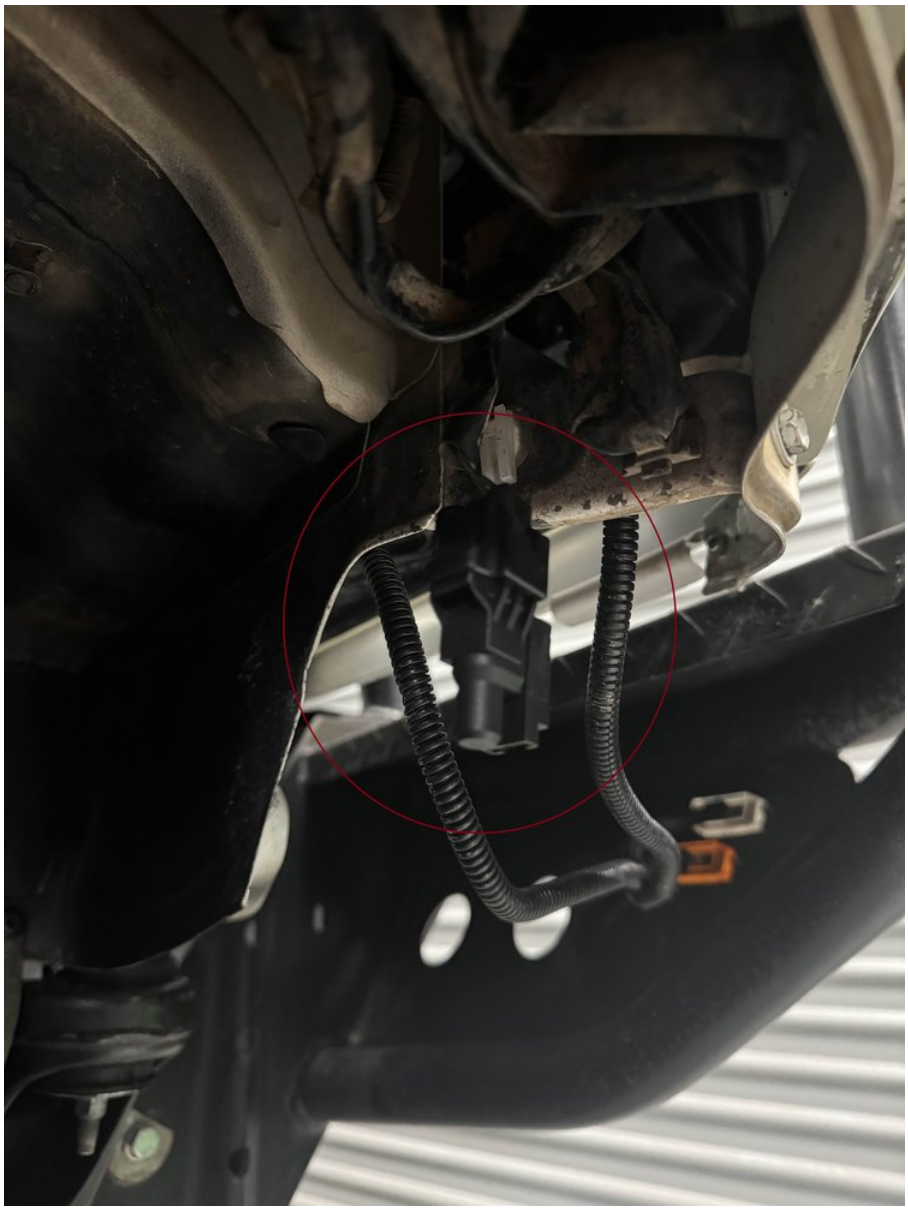
- Note: This is the factory location for this sensor, depending on your setup this area may get hotter from engine heat (or intercooler piping etc), extending the wiring to somewhere more suitable (like in front of radiator/condenser) may suit your setup better.





Step 2: Peel back front of thin plastic trim/guard

- Some push trim clips may need to be removed for this, and may break, it is advised to replace these
- Sensor plug will be tied up in bundle and clipped onto a metal body bracket (photo shows plug hanging down)





Step 3: Clean plug and plug in sensor, clip into designated hole with sensor facing to front of the car

- Clean plug thoroughly with either electrical contact cleaner, WD40 or even just water, bad contacts will result in either no temperature reading or very wrong readings

- There may be multiple spare plugs under here depending on trim variant and model, sensor should only fit on of them
- Clip white plastic part of sensor on the front side of the metal bracket, arrow marks front of car in photo

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Step 4: Replace thin plastic trim, it should "click" back in place up under the guard, replace any broken trim clips

- Ambient tempearture should now show inside car, expect it to read within 3-4 degrees either way of actual outside air temperature, none of these ambient sensors are perfect.

Revision History

Date	Version	Changes
12-11-2025	1.0	Initial documentation

Disclaimer: This procedure is provided for informational purposes. We are not liable for any damages caused do to excessive force or already fatigued parts.