



# **REACH**

***THERMOSTAT INSTALLATION INSTRUCTION.***

# **INSTALLATION MANUAL**

## **ORIGINAL INSTRUCTIONS THERMOSTAT**

Changing a vehicle's coolant thermostat is a relatively straightforward task that can be done with basic tools. Here's a step-by-step guide to help you through the process.

### **CONTENTS**

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Tools and materials needed .....	2
Step 1: Park and prepare .....	2
Step 2: Locate the thermostat housing .....	3
Step 3: Drain coolant .....	3
Step 4: Remove thermostat .....	3
Step 5: Remove old thermostat .....	4
Step 6: Clean surface .....	4
Step 7: Install new thermostat .....	4
Step 8: Reinstal thermostat housing .....	5
Step 9: Refill coolant .....	5
Step 10: Bleed air from cooling system .....	5
Step 11: Check for leaks .....	6
Step 12: Test .....	6

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## TOOLS AND MATERIALS NEEDED

1. New coolant thermostat
2. Coolant
3. Socket set
4. Wrench set
5. Screwdrivers
6. Pliers
7. Coolant catch pan
8. Gasket scraper or razor blade
9. Gasket sealer (if necessary)
10. Safety glasses
11. Gloves



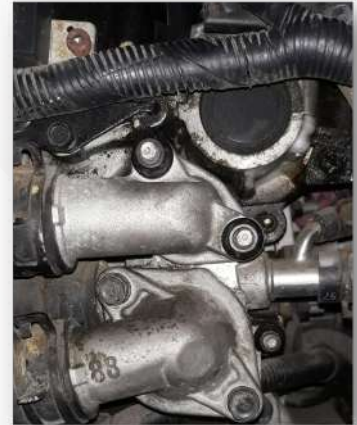
## STEP 1 PARK AND PREPARE

1. Park the vehicle on a flat, level surface and engage the parking brake.
2. Allow the engine to cool down completely before starting the replacement process.
3. Put on safety glasses and gloves to protect yourself from hot coolant and other potential hazards.



## **STEP 2** **LOCATE THE THERMOSTAT HOUSING**

1. The thermostat housing is usually located at the engine block where the upper radiator hose connects.
2. Refer to the vehicle's manual to locate the thermostat housing if you're unsure.



## **STEP 3** **DRAIN COOLANT**

1. Place a coolant catch pan beneath the vehicle.
2. Loosen the radiator drain plug or remove the lower radiator hose to drain the coolant into the catch pan.
3. Allow the coolant to drain completely.



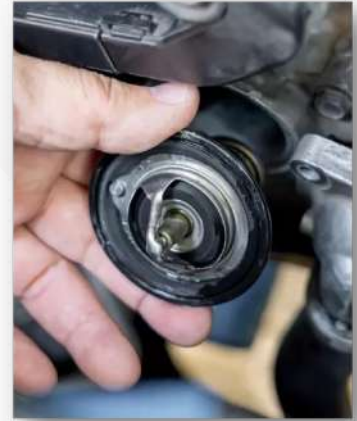
## **STEP 4** **REMOVE THERMOSTAT HOUSING**

1. Use a socket set to loosen and remove the bolts or nuts securing the thermostat housing to the engine block.
2. Carefully lift off the thermostat housing and set it aside.
3. Take note of the orientation of the thermostat.



## **STEP 5** **REMOVE OLD THERMOSTAT**

1. Remove the old thermostat from the thermostat housing.
2. Note the position of the thermostat, ensuring the replacement is installed correctly.



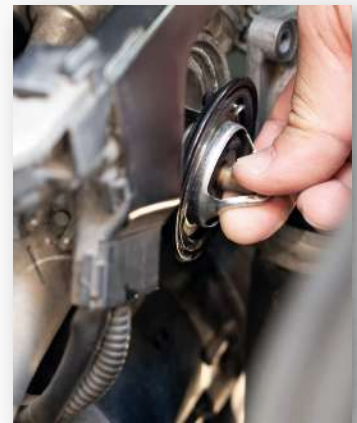
## **STEP 6** **CLEAN SURFACES**

1. Use a gasket scraper or brittle pad to clean any old gasket material or debris from the mating surfaces of both the thermostat housing and the engine block.
2. Ensure the surfaces are clean and smooth to ensure a proper seal.



## **STEP 7** **INSTALL NEW THERMOSTAT**

1. Place the new thermostat into the thermostat housing, ensuring it is positioned correctly.
2. If the thermostat requires a gasket or sealant, apply it to the mating surface of the thermostat housing.



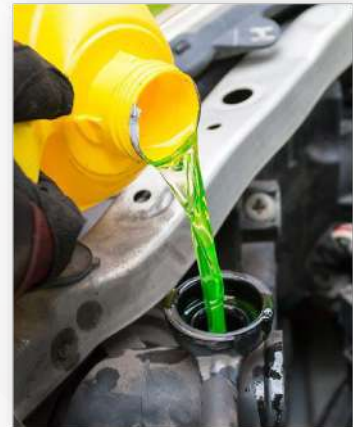
## **STEP 8** **REINSTALL THERMOSTAT HOUSING**

1. Place the thermostat housing back onto the engine block, aligning it properly with the mounting holes.
2. Secure the thermostat housing in place using the bolts or nuts removed earlier. Tighten them securely but be careful not to over-tighten.



## **STEP 9** **REFILL COOLANT**

1. Refill the radiator with coolant. Use the appropriate coolant type recommended by the vehicle manufacturer.
2. Check the coolant level in the overflow reservoir and top up if necessary.



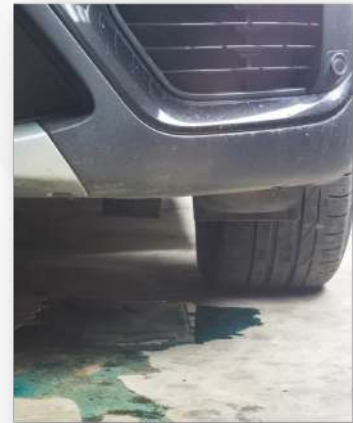
## **STEP 10** **BLEED AIR FROM COOLING SYSTEM**

1. Start the engine and allow it to run with the radiator cap off.
2. Squeeze the upper radiator hose gently to help release any trapped air from the cooling system.
3. Continue adding coolant as needed until the radiator is full and no air bubbles are observed.



## **STEP 11** **CHECK FOR LEAKS**

1. Check around the thermostat housing and other connections for any signs of coolant leaks.
2. If leaks are detected, shut off the engine and tighten the connections as needed.



## **STEP 12** **TEST**

1. Once the coolant level is stable and there are no leaks, test the vehicle by driving it for a short distance.
2. Monitor the temperature gauge to ensure the engine is operating within the normal range.



***CONGRATULATIONS!***  
***YOU HAVE SUCCESSFULLY REPLACED  
THE THERMOSTAT IN YOUR VEHICLE .***



***THANK YOU***

***THERMOSTAT INSTALLATION MANUAL.***