



# **REACH**

***RADIATOR INSTALLATION MANUAL***

# **INSTALLATION MANUAL**

## **ORIGINAL INSTRUCTIONS RADIATOR**

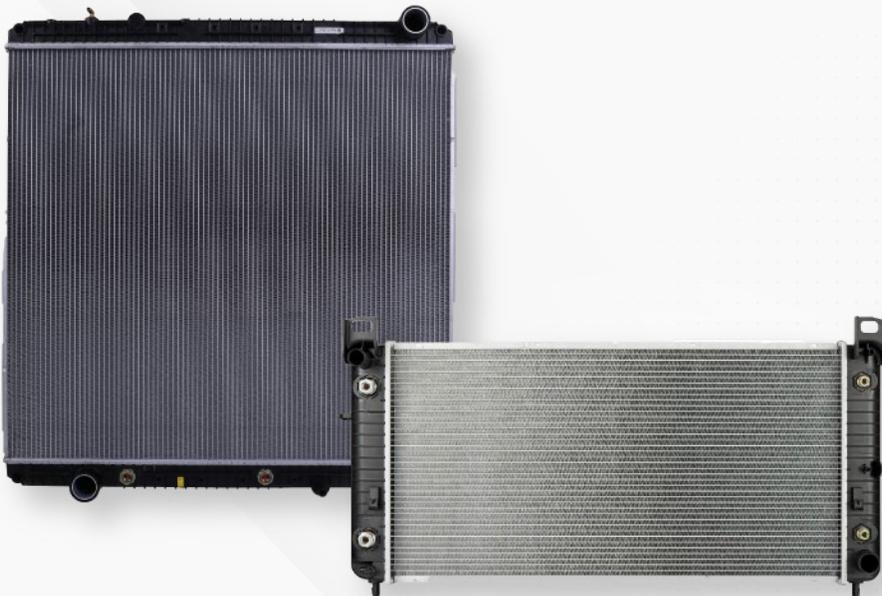
Follow these step-by-step instructions to safely remove and replace a vehicle's radiator.

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## **REMOVING RADIATOR** **TOOLS AND MATERIALS NEEDED**

1. Wrench set
2. Drain pan
3. Coolant
4. Pliers
5. New radiator (if replacement is necessary)
6. Hose clamps (if replacing hoses is necessary)



## **REMOVING THE RADIATOR** **STEP 1: PREPARE THE VEHICLE**

1. Ensure the engine is completely cool before starting.
2. Park the vehicle on a level surface and engage the parking brake.



## **STEP 2** **DRAIN THE COOLANT**

1. Locate the radiator drain plug at the bottom of the radiator.
2. Place a drain pan underneath and loosen the plug using a wrench.
3. Allow the coolant to drain fully into the pan.



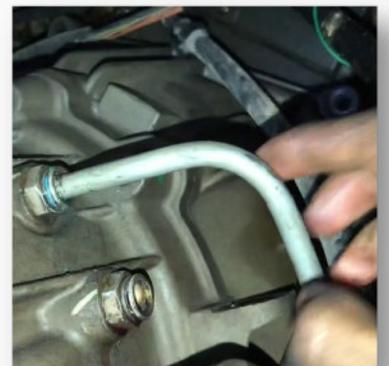
## **STEP 3** **DISCONNECT HOSES**

1. Identify the upper and lower radiator hoses.
2. Use pliers to loosen the hose clamps and slide them away from the hose connections.
3. Carefully twist and pull the hoses off the radiator fittings.



## **STEP 4** **REMOVE TRANSMISSION LINES (IF APPLICABLE)**

1. If the vehicle has automatic transmission lines connected to the radiator, disconnect them carefully.
2. Use a wrench to loosen the fittings and remove the lines.



## **STEP 5** **UNBOLT THE RADIATOR**

1. Locate the bolts or brackets securing the radiator to the vehicle's frame or support.
2. Use a wrench or socket set to remove the mounting bolts.



## **STEP 6** **REMOVE THE RADIATOR**

1. Carefully lift the radiator out of its housing, ensuring no damage to surrounding components.
2. Tilt the radiator slightly to drain any remaining coolant into the drain pan.



## **REINSTALLING THE RADIATOR** **STEP 1: INSPECT THE NEW RADIATOR**

1. Before installation, check that the new radiator matches the specifications of the old one.



## **STEP 2** **POSITION THE RADIATOR**

1. Gently place the new radiator into position, aligning it with the mounting points on the vehicle's frame.



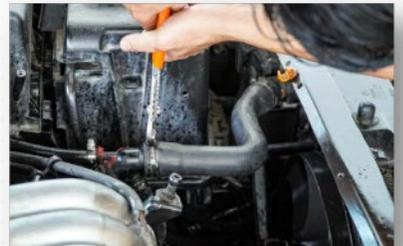
## **STEP 3** **SECURE THE RADIATOR**

1. Use the bolts or brackets to secure the radiator in place.
2. Ensure the radiator is firmly attached, but avoid overtightening to prevent damage.



## **STEP 4** **RECONNECT HOSES**

1. Slide the radiator hoses back onto their respective fittings.
2. Tighten the hose clamps securely using pliers.



## **STEP 5** **RECONNECT TRANSMISSION LINES (IF APPLICABLE)**

1. If transmission lines were disconnected, reattach them to the radiator.
2. Tighten the fittings securely with a wrench.



## **STEP 6** **REFILL COOLANT**

1. Refill the radiator and the overflow reservoir with the appropriate coolant for your vehicle, ensuring the coolant reaches the recommended levels.



## **STEP 7** **CHECK FOR LEAKS**

1. Start the engine and allow it to reach operating temperature.
2. Inspect the radiator and hose connections for any signs of coolant leaks.
3. Tighten any loose fittings if necessary.



## **STEP 8** **BLEED AIR FROM THE SYSTEM**

1. While the engine is running, ensure there is no pressure in the hoses.
2. Slowly open the radiator cap with a rag and any bleed valves in the cooling system to release trapped air.
3. Add coolant as needed until the system is properly bled.



## **STEP 9** **FINAL CHECK**

1. Monitor the vehicle for signs of overheating or leaks over the next few days.
2. Check coolant levels regularly and top off if necessary.



**By following these instructions, you can successfully replace the radiator in your vehicle.** If you're unsure at any step or encounter specific vehicle requirements, consult a professional mechanic.

***CONGRATULATIONS!***  
***YOU HAVE SUCCESSFULLY CHANGED  
THE RADIATOR ON YOUR VEHICLE.***



***THANK YOU***

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