



REACH

CHARGE AIR COOLER INSTALLATION MANUAL

INSTALLATION MANUAL

CHANGING A TRUCK'S AIR CHARGE COOLER

This guide provides step-by-step instructions for replacing a truck's air charge cooler (intercooler). Follow each step carefully to ensure a successful installation.

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TOOLS AND MATERIALS NEEDED

This guide provides step-by-step instructions for replacing a truck's air charge cooler (intercooler). Follow each step carefully to ensure a successful installation.

1. New charge air cooler
2. Socket set
3. Wrench set
4. Screwdrivers
5. Pliers
6. Hose clamps
7. Coolant catch pan
8. Safety glasses
9. Gloves
10. Coolant



STEP 1: SAFETY PRECAUTIONS

1. Ensure the engine is off and has cooled down completely.
2. Wear safety glasses and gloves to prevent injuries.



STEP 2: **LOCATE THE AIR CHARGE COOLER**

1. Locate the air charge cooler near the front of the truck, typically behind the grille.
2. If unsure of the location, consult your vehicle's manual.



STEP 3: **DRAIN THE COOLANT (IF APPLICABLE)**

1. Place a coolant catch pan under the radiator.
2. Loosen the radiator drain plug and allow all coolant to drain completely into the pan.



STEP 4: **DISCONNECT HOSES AND COMPONENTS**

1. Use the socket set to loosen clamps securing the hoses to the air charge cooler.
2. Disconnect the hoses carefully. Pliers may help with tight connections.
3. Remove any bolts or brackets securing the air charge cooler to the truck.



STEP 5: **REMOVE THE OLD AIR CHARGE COOLER**

1. Carefully lift the air charge cooler from its mounting position. Be mindful of its weight and size.



STEP 6: **INSTALL THE NEW CHARGE AIR COOLER**

1. Position the new air charge cooler in place.
2. Secure it with any brackets or bolts you removed earlier, ensuring it is properly aligned.



STEP 7: **RECONNECT HOSES AND COMPONENTS**

1. Reconnect the hoses to the new cooler, ensuring they are securely seated.
2. Tighten hose clamps to secure the hoses.
3. Verify that all connections are tight and properly positioned.



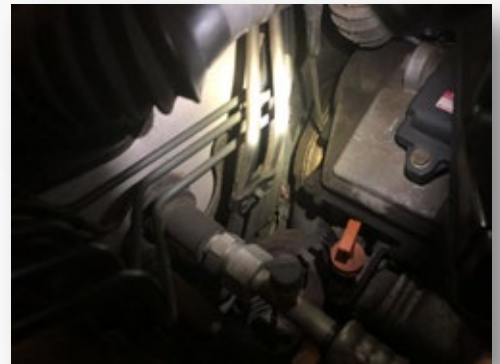
STEP 8: **REFILL THE COOLANT**

1. Refill the radiator with the appropriate type and amount of coolant as per the manufacturer's instructions.
2. Tighten the radiator drain plug.



STEP 9: **CHECK FOR LEAKS**

1. Start the engine and let it run for several minutes.
2. Check all the hose connections for leaks.
3. Tighten connections as needed if any leaks are detected.



STEP 10: **TEST DRIVE**

1. Take the truck for a short test drive to ensure proper function.
2. Monitor the temperature gauge during the drive to confirm there is no overheating.



STEP 11: **FINAL INSPECTION**

1. After the test drive, turn off the engine and inspect the area around the air charge cooler.
2. Ensure all components are secure and there are no leaks.



CONGRATULATIONS!
***YOU HAVE SUCCESSFULLY INSTALLED
A NEW AIR CHARGE COOLER.***



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