

INSTALLATION PROCEDURE



Part A: Installation Procedures including removal of existing radiator assembly

1. Check the vehicle for stray current, to ensure new radiator will not be damaged.

- Remove radiator cap or expansion tank cap, carefully, as a hot engine cooling system is under pressure.
- Ensure all electrical devices are operational.
- Using an Analogue amp meter (Multimeter) with low sensitivity place the negative lead on the negative terminal of the battery and the positive lead in the coolant of the radiator, ensure the lead does not touch the side of the filler neck or radiator core.
- Turn on all electrical devices one at a time, checking the amp meter each time a device is turned on for a reading.
- Carry out this process with and without the engine running.

A reading of more than .04 ampere is damaging current to the engine cooling system. The source of this stray current **must** to be removed, prior to fitting the new radiator. Failure to do so will result in premature failure of the new radiator and will void the manufacturers warranty.

IF UNABLE TO REMOVE THE SOURCE OF THE STRAY CURRENT CONSULT A QUALIFIED AUTO ELECTRICIAN.

2. Loosen the drain cock of the radiator and drain all coolant from the engine cooling system.

3. Power flush the entire engine cooling system ensuring all sediment and particles are removed from all components including the heater core and overflow reservoir.

4. Please ensure the radiator you are fitting matches the radiator that you have removed, this includes critical dimensions, fittings and inlet/outlets. If there are any variations, please do not proceed with the installation and contact us to check fitment details.

5. Refill the engine cooling system with water and an alkaline cleaning agent, turn heater on and run engine to operating temperature.

6. Drain engine cooling system, flush with clean water thoroughly until entire system is clean.

7. Check all engine cooling system components for wear, in accordance with the vehicle manufacturers specification.

8. Loosen and remove all hoses to radiator, unplug electric fans and remove fan shroud if applicable, remove old radiator from vehicle.

9. Fit new radiator in reverse of removal procedure and in accordance with vehicle manufacturers specification.

10. Fill engine cooling system with water and check again for stray current. If stray current is present refer item 1. If no stray current is present drain engine cooling system of water.

11. Refill engine cooling system in accordance with vehicle manufacturers specification. If specification is not available refill with a coolant/inhibitor that meets or exceeds Australian Standard AS2108-97 (A) and follow the guidelines as recommended by this manufacturer for the correct mixture to fill the engine cooling system. Run the vehicle to operating temperature and recheck coolant level is correct.

INSTALLATION PROCEDURE



Part B: Installation Procedures without radiator in vehicle

1. Please ensure the radiator you are fitting matches the radiator that you have removed, this includes critical dimensions, fittings and inlet/outlets. If there are any variations, please do not proceed with the installation and contact us to check fitment details.
2. Fit the new radiator in accordance with the vehicle manufacturers specification.
3. Refill the engine cooling system with water and an alkaline cleaning agent, turn heater on and run engine to operating temperature. Drain engine cooling system.
4. Power flush the entire engine cooling system ensuring all sediment and particles are removed from all components including the heater core and overflow reservoir.
5. Drain engine cooling system, flush with clean water thoroughly until entire system is clean.
6. Check all engine cooling system components for wear, in accordance with the vehicle manufacturers specification.
7. Fill engine cooling system with water and check for stray current. If stray current is present refer to Part A, Item 1 of installation procedure where radiator is still in vehicle. If no stray current is present drain engine cooling system of water. Any stray current more than .04 ampere **MUST** be removed or premature failure of the new radiator will occur and void the manufacturers warranty.
8. Refill engine cooling system in accordance with vehicle manufacturers specification. If specification is not available refill with a coolant/ inhibitor that meets or exceeds Australian Standard AS2108-97 (A) and follow the guidelines as recommended by this manufacturer for the correct mixture to fill the engine cooling system. Run the vehicle to operating temperature and recheck coolant level is correct.

NEVER MIX COOLANTS OR INHIBITORS. THE FINAL MIXTURE MAY CAUSE PREMATURE FAILURE OF THE NEW RADIATOR AND VOID THE MANUFACTURERS WARRANTY.