



Technical Service Information

CHRYSLER OR JEEP 42RE-46RE STALLING IN REVERSE AND/OR PLANETARY FAILURE

COMPLAINT: Before or after overhaul, Chrysler or Jeep vehicles, equipped with the 42RE-46RE transmissions, may exhibit a stalling condition in Reverse or repeated planetary failure.

CAUSE: The cause may be, a restricted Auxillary Transmission Cooler. **NOTE:** During the "flushing" process, this may be overlooked because of a "Bypass" tube, as shown in Figure 1, that connects the two cooler lines together, mis-leading the technician into thinking that the Auxillary Transmission Cooler is clear. The Auxillary Transmission Cooler can not be flushed very easily because of its fin type construction, as shown in Figure 2 (*Note: the Auxillary Cooler has a thermal bypass that does not open until the fluid or cleaning solvent is at temperatures around 100° F*). This can also cause valves to hang as well as continual clogging of the Governor Solenoid Screen.

CORRECTION: Replace the Auxillary Transmission Cooler as needed.

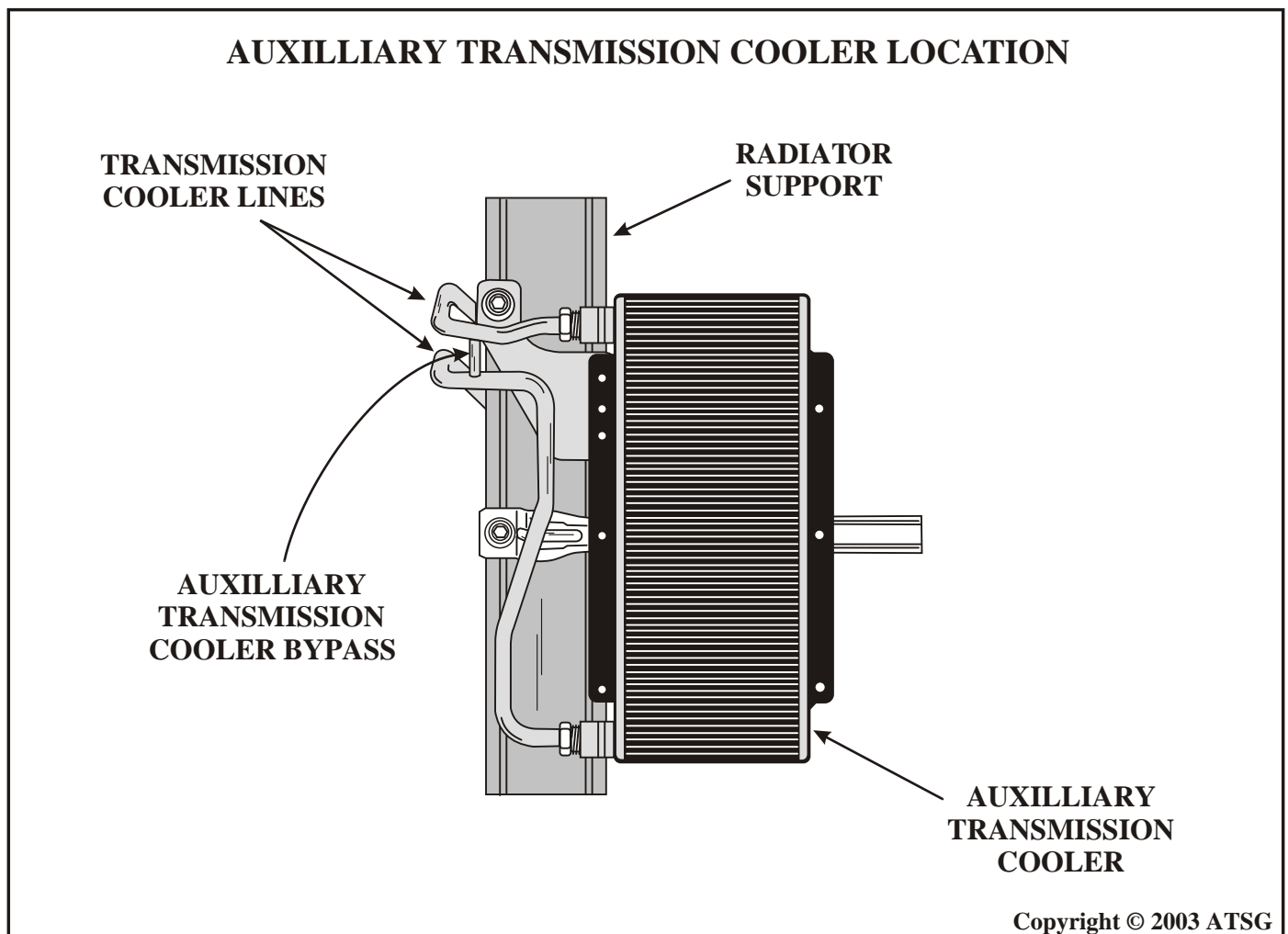
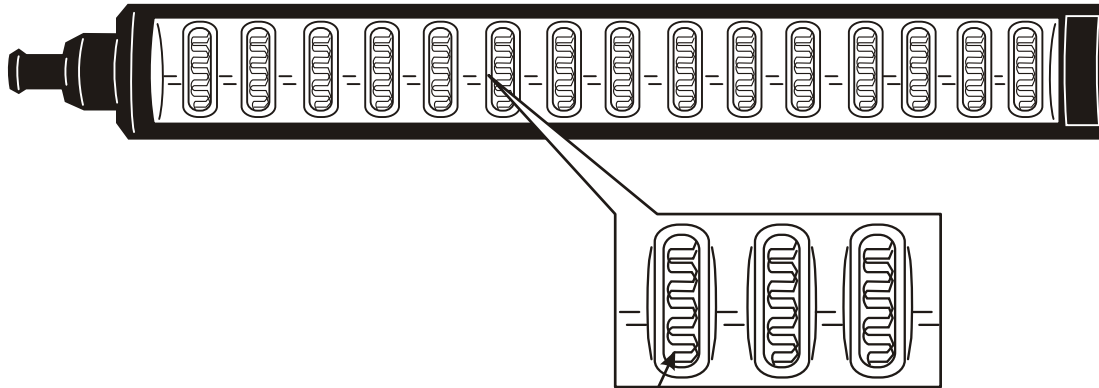


Figure 1

AUXILLIARY TRANSMISSION COOLER CUT-AWAY



***THE AUXILLARY TRANSMISSION COOLER HAS
A FIN TYPE CONSTRUCTION WHICH MAKES
COOLER FLUSHING ALMOST IMPOSSIBLE***

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Figure 2