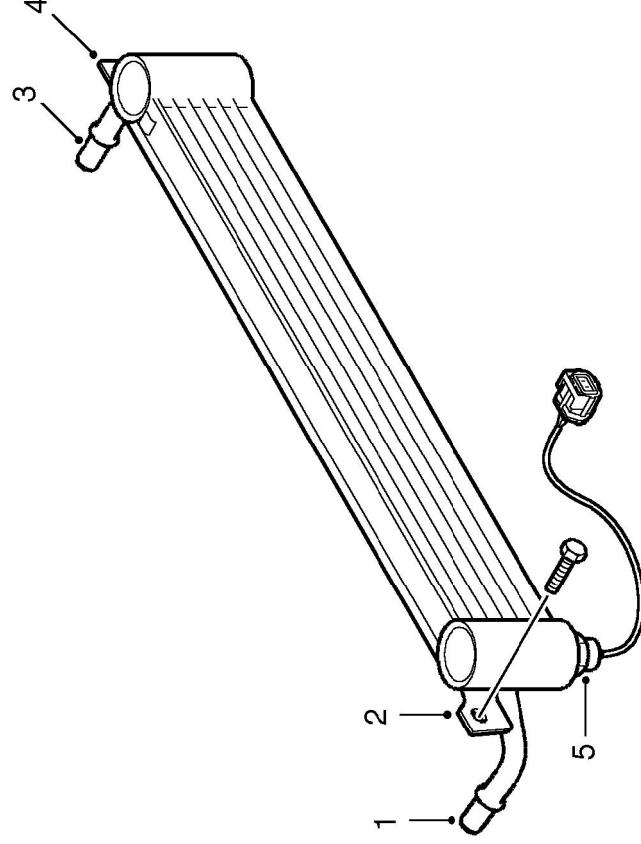




## AUTOMATIC GEARBOX - ZF4HP22 - 24

### Oil cooler



M44 1073

- 1 Inlet connection
- 2 Fixing bracket
- 3 Outlet connection
- 4 Fixing bracket
- 5 Temperature sensor

Transmission fluid from the gearbox is circulated through a cooler attached to the front of the radiator. Quick release connectors on the transmission fluid lines attach to connections on each end tank of the cooler. A temperature sensor on the RH end provides the instrument pack with an input of transmission fluid temperature. If the temperature exceeds a preset limit, the instrument pack illuminates the transmission temperature warning lamp. The warning lamp remains illuminated until the temperature of the fluid returns within limits.

### EAT ECU

The EAT ECU operates the solenoid valves in the gearbox to provide automatic control of gear shifts and torque converter lock-up. The EAT ECU is attached to a protective bracket which is secured to the cabin floor below the LH front seat. A 55 pin connector links the EAT ECU to the vehicle wiring.

Software in the EAT ECU monitors hard wired inputs and exchanges information with the ECM on a Controller Area Network (CAN) bus to determine gear shift and torque converter lock-up requirements. Resultant control signals are then output to the gearbox solenoid valves.