

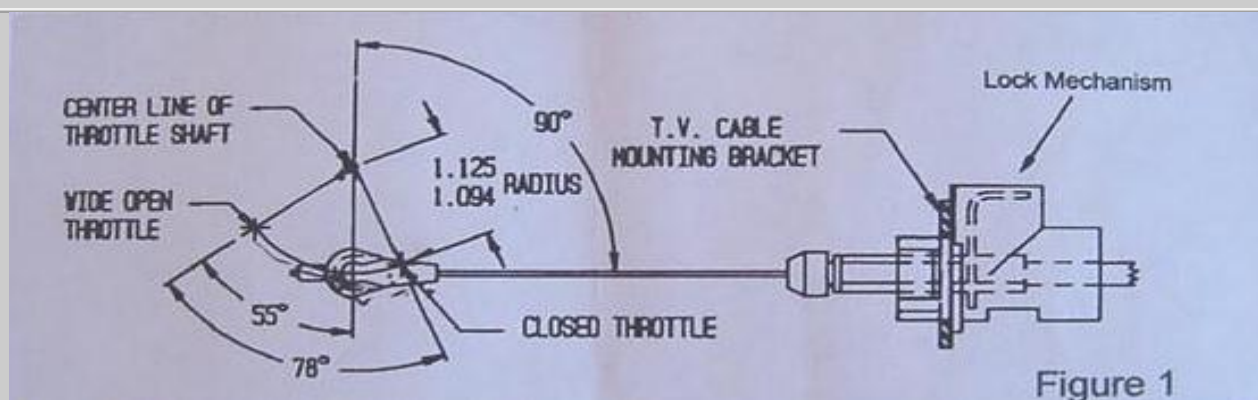
T.V. (THROTTLE VALVE) CABLE

Throttle Valve Mechanism

The purpose of the TH700-R4 Throttle Valve (T.V.) and its mechanical linkage is to control both the shift feel and shift timing as a function of vehicle speed and load conditions. As the accelerator pedal is depressed and the throttle opens, the T.V. mechanical relays the motion to the throttle plunger in the valve body by way of the T.V. cable.

In factory installations of the TH700-R4 the geometric relationship between the T.V. cable and throttle shaft bell crank produces the required T.V. cable extension (pull) to throttle opening for the transmission to function properly.

In custom installation the correct T.V. cable mounting geometry must be accurately determined if the transmission is to function properly. It can not be overstated that for the TH700-R4, proper T.V. cable installation and adjustment are vital to proper transmission function and life.



TRANSMISSION COOLING

We feel that it is very important that every vehicle in addition to the radiator heat exchange should have an oil cooler. Heat is the major cause of transmission failure. An oil cooler is an inexpensive safeguard against overheating and failure.

