

# SERVICE PARTS INSTALLATION AND ADJUSTMENT INSTRUCTIONS

**WARNING: TO PRESERVE WARRANTY, INSTRUCTIONS MUST BE READ AND FOLLOWED THOROUGHLY AND COMPLETELY, BEFORE AND DURING INSTALLATION.**

**DESCRIPTION:** Idle Air Control (I.A.C.) Kit

**NOTE:** Holley Carburetor Division cannot and will not be responsible for any alleged or actual engine or other damage or other conditions resulting from misapplication of the service part described herein.

It is not necessary to remove T.B.I unit from engine to service idle air control (IAC) assembly.

## REMOVAL:

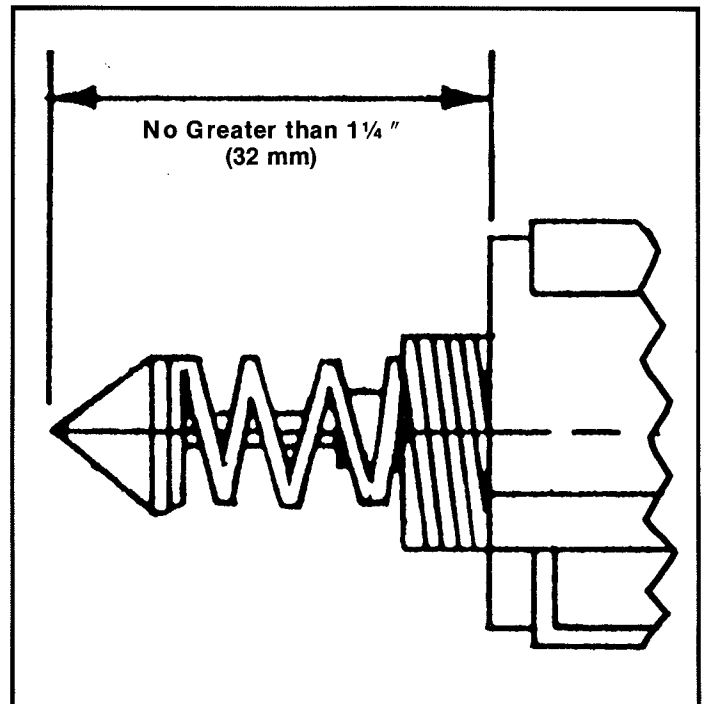
1. Remove air cleaner.
2. Disconnect electrical connection from idle air control assembly.
3. Remove IAC assembly from the throttle body, using a 32mm (1.25 in.) wrench on the hex surface,

**NOTICE:** Do not remove by turning the plastic electrical connector portion of the IAC assembly, as damage to the IAC will result. Also, do not immerse the IAC assembly in any liquid cleaner, as damage may result.

4. Discard old gasket from the assembly. (Some early Model 300 IAC assemblies used two gaskets. Replacement IAC packages have one gasket.) Any residue of thread locking compound on the IAC threads should be allowed to remain.

## INSTALLATION:

**NOTICE:** Before installing new idle air control assembly, measure the distance that the conical valve is extended (see Figure 1). Measurement should be made from motor housing to end of cone, distance should be no greater than 32mm. If the cone is extended too far, damage may occur to the motor when installed. If necessary, push on end of the cone until it is in retracted position.



**FIGURE 1**

Install new idle air control assembly to throttle body. Use new gasket supplied with assembly. Tighten motor to 18 N·m (13 lb. ft.).

Reconnect electrical connection to idle air control assembly. Install air cleaner.

Start engine and allow engine to reach operating temperature. On manual transmission vehicles idle speed will be controlled when operating temperature is reached. On automatic transmission vehicles engage transmission in "Drive" when operating temperature is reached. This will allow ECM to control idle speed.