



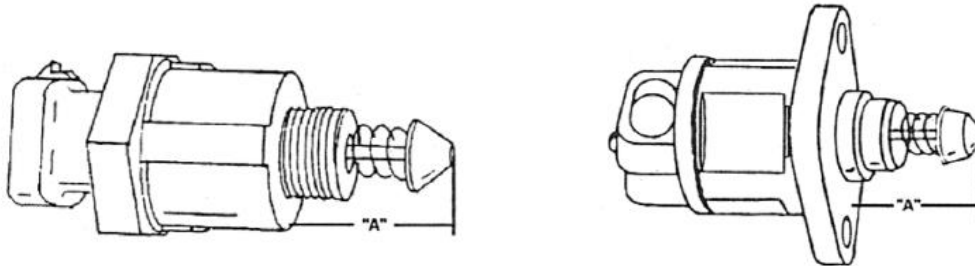
## 543-34 Idle Air control (IAC) Motor

Replacement (IAC) Motor for the following Holley Throttle Bodies:  
Part Numbers 112-581, 112-583, 112-585, & 112-589

### REMOVAL & INSTALLATION INSTRUCTIONS

#### IAC Removal Instructions:

1. Remove connector from IAC motor being replaced.
2. Remove IAC motor from throttle body assembly.
3. Examine PINTLE valve shape.
  - a. **Note:** Replacement motor must have same PINTLE valve dimensional configuration. Rear flange on PINTLE may be either round or hexagonal in shape.
4. Thoroughly clean air passage and gasket mounting surfaces.



#### IAC Installation Instructions:

1. Check distance from PINTLE tip to IAC flange (distance "A" as shown in Illustrations).
2. If the distance "A" exceeds 1.125" (28mm), it must be reduced to avoid damage to the motor & throttle body casting. Compress PINTLE spring toward valve body and turn PINTLE in clockwise direction until the distance matches the above dimension of 1.125" (28mm).
3. Install new IAC valve into throttle body housing.
4. Connect harness connector to IAC valve.

**NOTE:** After installation of new IAC motor, the vehicle must be driven over 40mph (64kph) to allow the vehicles On-Board computer to reset PINTLE positioning & ensure proper idle control.