



# TECH TIPS

**Dixie Part Numbers:** A-6405, A-80205, A-80212, A-80214, A-9503, S-6173  
and others as not all applications currently assigned Dixie  
part numbers

**Applications:** 2005 – 2006 Audi A6  
2004 – 2006 Audi A8

**Condition:** The engine starts hard or takes a long time to start (excessive cranking).

**Cause:**

If the battery has been disconnected, if the battery has drained for any reason or if the engine control module has been accessed for any reason (using a diagnostic scan tool) the engine control module loses the transmission selection position data and must be reset.

**Correction:**

Re-teach the electronic control module the transmission selection positioning by performing the following steps:

- Ensure that the battery is reconnected and the scan tool removed from the system
- Switch the ignition on (but do not crank the engine)
- Press the brake pedal down
- Shift the transmission selector from the park to the sport position and then back to the park position
- Release the brake pedal
- Switch off the ignition.

The electronic control module has now learned the transmission selection positions.