



### **Speartech Neutral Safety Switch (NSS) Module for 6L80/90 Applications (E38, Gen IV)**

**Part number: NSS1997-4**

The Speartech NSS module is designed to prevent the engine from starting if the 6L80/90 transmission is in any gear besides Park or Neutral.

Installation is straightforward, only requiring a few wires to hook up.

**Input:** ORANGE/BLK wire to ECM "J1" connector, Position-1. You must splice into this wire and either solder it or use a common "Scotchlok" type of splice connector. See picture for wire location.

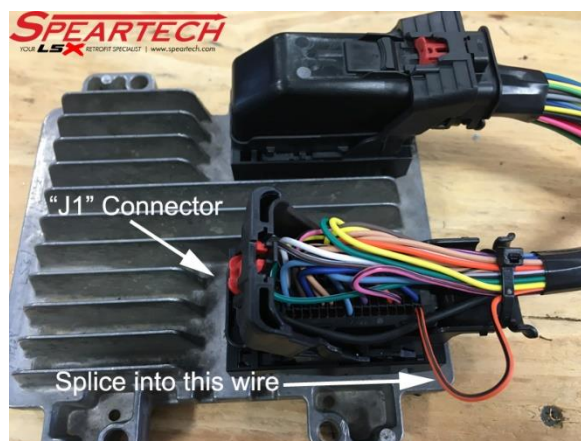
**+12V ignition:** PINK/BLK wire to switched 12-volt source. Hot with key "on" and during "crank".

**Ground:** Black Wire to engine or chassis grounding source.

**Key Switch "S":** Take the wire from your existing key switch starter solenoid position into this location. This wire should only provide +12V when in the crank position.

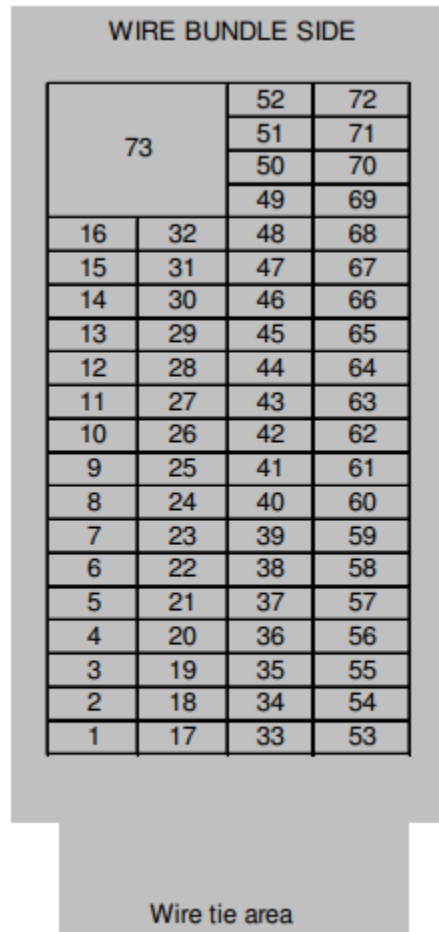
**Starter Solenoid:** PURPLE wire: to switch terminal on starter solenoid. The module comes with the plug-in connector for the late model LS starters. If using a starter with threaded terminal, cut off our connector and crimp on suitable ring terminal.

Carefully test for proper operation of module by trying to start the engine in the various shifter positions. It should only crank in "P" or "N", not in "R", "D", or "M". Keep brakes firmly applied while testing!



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**73-Ckt**

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**Wiring Supplied with NSS1997-4:**

Pink/Black – 20 awg

Orange/Black – 20 awg

Black – 20 awg

Purple with starter connector – 12 awg