

PATS module contains circuitry to interface to vehicle electrical system, transceiver control module, Module Communications Network (MCN) system and THEFT indicator light. PATS module stores ignition key codes in non-volatile memory. PATS module can be diagnosed through Data Link Connector (DLC).

POWERTRAIN CONTROL MODULE (PCM)

Passive anti-theft system uses PCM to enable or disable vehicle's engine. Within one second after engine start, PCM must receive an enable signal or the engine will be disabled.

When system is functioning properly and ignition is turned to run or start, THEFT indicator light will turn on for 2 seconds, then turn off. Vehicle will be enabled to start and run.

If THEFT indicator light is on solid for 2 seconds then flashes for one minute, followed by Diagnostic Trouble Code (DTC) No. 16 flashing ten times, key code has been received and vehicle has been enabled or disabled but there is no PCM verification. If vehicle starts, PCM is not communicating with PATS module. If vehicle does not start, Multiplex Communications Network (MCN) may be faulty. Go to **TROUBLE SHOOTING** .

If THEFT indicator flashes for one minute, no key code was received. This is due to a damaged key, a non-encoded key, faulty wiring or transceiver fault.

If THEFT indicator flashes for 15 minutes. Key code received/vehicle has been disabled due to key not being programmed. See **KEY INITIALIZATION** in SERVICE PROCEDURES.

COMPONENT LOCATION

PATS COMPONENT LOCATION

Component	Location
PATS Module	Behind Integrated Control Panel
THEFT Indicator Light	In Instrument Cluster
Transceiver Module	On Underside Of Steering Column

SERVICING

SPARE KEY PROGRAMMING

NOTE: Replacement PATS modules require only one key to be programmed before allowing vehicle to start. If PATS module is replaced, any additional keys must be programmed. PATS module has capacity to store programming for 16 keys.

Cycle ignition switch from run to off with a programmed key. Within 15 seconds after this cycle, insert a new encoded key into ignition switch and turn key to RUN or START position. If programming was successful, THEFT indicator light will be on for 2 seconds and PATS module will enable vehicle start.

If programming was not successful, THEFT indicator will flash for one minute if no key code is received, key is damaged or a non-encoded key is being used. If this happens, use a new key and repeat programming