555P Ford-PATS Interface Module

Product Description

The 555P interface module is used when installing remote start products in Ford vehicles equipped with a factory immobilizer. The 555P allows for easy interfacing between the remote start and the factory immobilizer, while maintaining the integrity of the OEM system.

An immobilizer is a transponder-based anti-theft system. It uses a very small electronic chip hidden in the key to send a code to the vehicle's transceiver whenever the ignition is energized. For this to take place, the key must be placed in the ignition and turned to the RUN position. This energizes a coil surrounding the key, which in turn energizes the chip, which sends a code to the vehicle. If the vehicle does not detect the code being sent, the vehicle will start and then immediately shut off or will just crank, and the anti-theft light will flash. The 555P provides a valid code to the vehicle whenever it is remote started, but does not affect the immobilizer system during normal vehicle operation; the immobilizer system remains fully functional.

Module Wiring

Install all wires as follows, and then pug the module into the wiring harness.

Pin	Module Wire Color	Function	Vehicle Wire (car side) hookup
1	Red	constant +12V	+ battery
2	Black	Battery ground*	chassis ground*
3	Blue	(-) remote start input	remote start (status) wire
4	Green	not used	
5	Yellow/Black	immobilizer data tap	tap immobilizer pin 3 (usually Grey/Orange or Black)
6	Yellow	not used	
7	Brown	immobilizer sync tap	tap immobilizer pin 4 (usually White/Green or Orange)
8	Pink	ignition (car side)	**cut (usually Black/White or Blue)
9	Pink/White	ignition (key side)	**cut (usually Black/White or Blue)
10	Orange	not used	

* Ground this wire to a point lugged to the vehicle chassis. Grounding to the steering wheel or factory immobilizer wiring may cause improper operation.

** On some Ford vehicles, wires for pins 1 and 2 are reversed. Always test this wire for switched ignition voltage before connecting.

Programming

The module has a fixed key code. This is hard-coded into memory. Programming consists of learning the module into the vehicle. Note that two vehicle keys are required for this procedure.

Learn Routine

1. Using 1st key, turn ignition to the ON position for 2 seconds (the "Theft" light will turn off). Remove the ignition key.
2. Repeat step 1 using the 2nd key.
3. Start the vehicle with the remote starter. The "Theft" light should turn ON then OFF after a few seconds. Programming is now complete.

Alive Test

When the Remote Start feature is activated, the LED will illuminate for 3 seconds. This indicates that the module is outputting a key-code to the vehicle immobilizer system.

Car List

MAKE	MODEL	YEAR
Mazda	B3000	1999, 2000
Mazda	B4000	1999, 2000
Lincoln	Continental	1999, 2000, 2001
Ford	Contour	1999, 2000
Mercury	Cougar	1999, 2000, 2001
Ford	Crown Victoria	1999, 2000, 2001, 2002
Ford	Excursion	2000, 2001
Ford	Excursion—diesel	2000, 2001
Ford	Expedition	1999, 2000, 2001
Ford	Explorer	1999, 2000, 2001
Ford	Explorer Sport Trac	2001
Ford	F series 7.3L diesel	1999, 2000, 2001
Ford	F series pickup	1999, 2000, 2001
Mercury	Grand Marquis	1999, 2000, 2001, 2002
Ford	Heavy Truck (CF)	2000, 2001
Mercury	Mountaineer	1999, 2000, 2001*
Ford	Mustang	1999, 2000, 2001
Mercury	Mystique	1999, 2000
Lincoln	Navigator	1999, 2000, 2001
Ford	Ranger	1999, 2000, 2001
Mercury	Sable	1999
Ford	Taurus	1999
Lincoln	Town Car	1999, 2000, 2001, 2002
Ford	Windstar	1999, 2000, 2001