

Product Description

The 555F interface module is used when installing remote start products in Ford, Toyota and Lexus vehicles equipped with factory immobilizers. The 555F 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 555F 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.

Identifying the Antenna Ring

Remove the steering column shroud and locate the ignition switch. There is a plastic ring surrounding the ignition switch, which is the coil or antenna ring where the 555F capsule will be mounted. After programming of the 555F is complete, mount the capsule securely in a location appropriate to the vehicle make and/or model.

NOTE: The examples of capsule mounting locations shown below are provided as a general reference only. Actual mounting locations for other vehicle makes and models may vary. Additional capsule mounting locations for specific vehicles can be found on DEI's technical website, www.directechs.com.



2000 Lexus RX300



1997 Mercury Sable

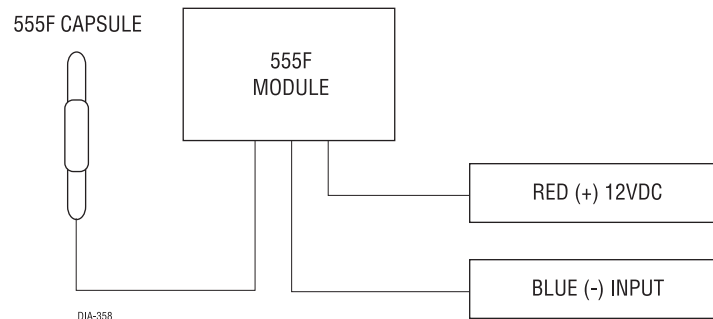
Programming the 555F for Fords

WIRE CONNECTION GUIDE FOR FORDS

RED (+)12V: Connect this wire to a fused (+)12V source.

BLUE (-) ACTIVATION INPUT: Connect this wire to the (-) through activation output of the remote start system.

555F CAPSULE: The 555F capsule should be placed on the outside of the antenna ring as close to the ribbon cable as possible.



LEARNING THE 555F CAPSULE FOR FORDS

To program the 555F capsule for a Ford vehicle, use the procedure that corresponds to the appropriate vehicle year.

1996 and 1997 Ford Vehicles:

1. Install the remote start and make the appropriate wire connections on the 555F.
2. Make sure that the 555F capsule can reach the front of the key cylinder where the key is inserted.
3. Turn the ignition to the RUN position and wait until the security light goes out (approximately 3.5 seconds). Then turn the ignition to the OFF position and remove the key.
4. Within 10 seconds, hold the 555F capsule in front of the key cylinder, approximately a half inch away from the key hole, and remote start the vehicle. If the vehicle starts, then proceed to Step 5. If it does not start, go back to Step 3 and repeat Steps 3 and 4.
5. Place the 555F capsule against the PATS antenna ring and activate the remote start.
6. If the vehicle remote starts, attach the capsule securely. If the vehicle does not start, move the capsule and try to remote start the vehicle again. Repeat this process until the vehicle starts, and then secure the capsule.

1998 and Newer Ford Vehicles:

NOTE: When programming the 555F for 1998 and newer Fords, you must have two separate keys that are already coded to the vehicle. Using the same key twice will not work. Also, make sure the two keys are not on the same key ring, because this may also cause the vehicle not to learn the 555F capsule.

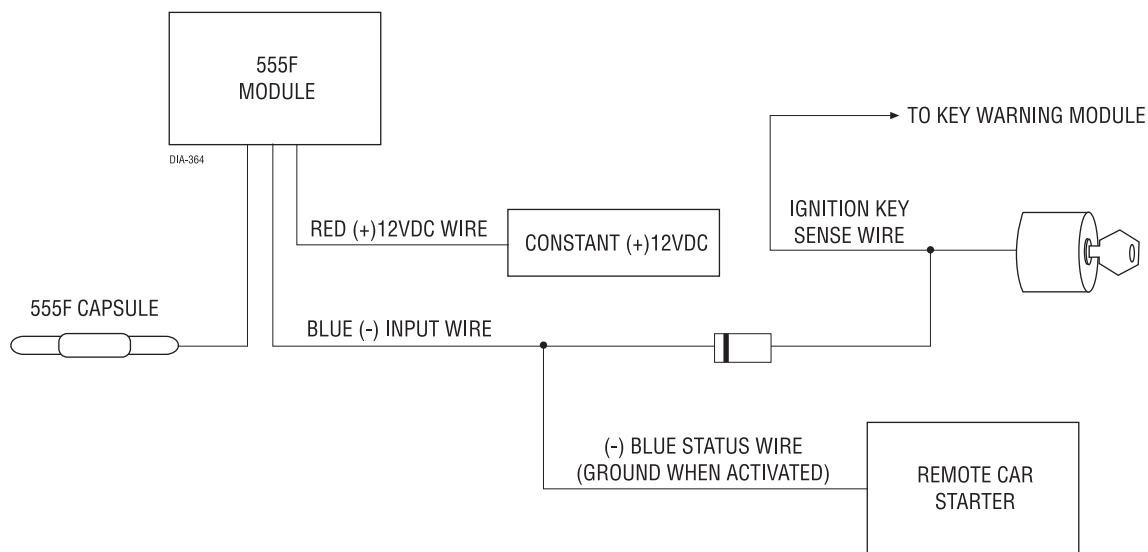
1. Install the remote start and make the proper wire connections on the 555F.
2. Make sure that the 555F capsule can reach the front of the key cylinder where the key is inserted.

3. Turn the ignition to the RUN position and wait until the security light goes out (approximately 3.5 seconds). Then turn the ignition to the OFF position and remove the key.
4. With a second key, turn the ignition to the RUN position and wait until the security light goes out (approximately 3.5 seconds). Then turn the ignition to the OFF position and remove the key.
5. Within 10 seconds, hold the 555F capsule in front of the key cylinder, approximately a half inch away from the key hole, and remote start the vehicle. If the vehicle starts, then proceed to Step 6. If it does not start, go back to Step 3 and repeat Steps 3 through 5.
6. Place the 555F capsule against the PATS antenna ring and activate the remote start. If the vehicle remote starts, attach the capsule securely. If the vehicle does not start, move the capsule and try to remote start the vehicle again. Repeat this process until the vehicle starts, and then secure the capsule.

Programming the 555F for 1998 and Newer Lexus and Toyotas

WIRE CONNECTION GUIDE FOR LEXUS AND TOYOTAS

NOTE: The Ignition Key Sense wire must be isolated from the 555F. (See the following diagram.)



LEARNING THE 555F CAPSULE FOR LEXUS AND TOYOTAS

IMPORTANT! You must use the Master Key to program the 555F to the vehicle. On Lexus vehicles, the Master Key is usually the black key. (Valet keys will not work for this operation.)

1. Power the RED wire on the 555F with constant power, and ground the BLUE wire.
2. Check to make sure the 555F pellet can reach the front of the key cylinder. Leave the pellet hanging under the dash, away from the key cylinder.
3. Next, locate the vehicle's Ignition Key Sense wire at the ignition switch. Connect the Ignition Key Sense wire to a length of primary wire long enough to accommodate grounding, which is described later in this programming procedure.

4. Place the programmed Master Key in the key cylinder. **IMPORTANT!** *Do not turn the key cylinder on.*
5. Within 15 seconds of inserting the Master Key, press and release the accelerator pedal four times.
6. Within 20 seconds, press and release the brake pedal five times and then remove the Master Key.
7. Within 10 seconds of removing the Master Key, hold the 555F pellet at the front of the key cylinder and ground the Ignition Key Sense wire.
8. Within 10 seconds of grounding the Ignition Key Sense wire, press and release the accelerator pedal once. The security light should begin blinking within 3 seconds.
9. Continue holding the 555F pellet in front of the key cylinder for one full minute, until the security light stops blinking.
10. Disconnect the BLUE wire of the 555F and the Ignition Key Sense wire from ground. Wire both the Ignition Key Sense wire and the 555F BLUE wire to the BLUE (-) status wire of the remote start.