

555X Lexus Immobilizer Bypass Module

Models

- Lexus GS300: 2002

Product Description

The Lexus Immobilizer anti-theft system uses a low-power transponder mounted in the head of the ignition key. When the vehicle is started, the Key Cylinder Module converts the transponder signal and sends a secure, coded signal to the Engine Control Module. If the signal to the Engine Control Module is correct, the vehicle will start.

The 555X uses a unique autoprogram sequence to learn the secure code from the Key Cylinder Module and repeats it when remote start is activated, eliminating the need to leave a key in the vehicle.

The 555X Lexus Immobilizer Bypass Module integrates into the wiring for the Lexus immobilizer anti-theft system to allow remote start capability, while still allowing normal function of the factory immobilizer anti-theft system.

WARNING! *It is recommended that the 555X Immobilizer Bypass Module only be installed by an authorized Directed dealer. Attempting installation without the proper tools and training can result in damage to the vehicle electronics.*

Pre-Installation Test

IMPORTANT! *Wire connections from the 555X to the Lexus immobilizer wires should be done AFTER all remote start connections are completed and the following test is successful.*

After completing all remote start wiring connections, insert the vehicle key into the ignition switch. Do **NOT** turn the ignition on. Activate the remote start.

If the vehicle remote starts, proceed with the 555X installation. If the vehicle fails to start, check all ignition and tachometer connections and retest. Do **NOT** proceed with 555X installation until this test is successful.

A successful test verifies that all ignition and tachometer connections are correct. This will eliminate the remote start as the cause of a failure to start after completing the 555X installation.

Installation Instructions

1. Remove steering column shroud to gain access to the wire harnesses at the rear of the ignition switch.
2. Locate the appropriate wires exiting the ignition switch and immobilizer receiver. The wire colors are listed in the Application Guide.
3. Wire the 555X as shown in the wiring diagram.

Wire Connection Guide

- **GREEN:** Connect this wire to the (-) key sense wire at the ignition cylinder. The key sense wire rests at ground when the key is inserted into the ignition switch.
- **BLACK:** Connect this wire to a quality chassis ground (preferably scraped sheet metal) separate from other component ground locations.
- **BLUE:** Connect this wire to the BLUE status output of the remote start. It must see ground during remote start.
- **RED:** Connect this wire to a constant (+)12 volt source.
- **YELLOW:** Locate the Data wire listed in the Application Guide and cut it. Connect this wire to the end of the Data wire that is coming from the ignition switch.
- **YELLOW/BLACK:** Connect this wire to the end of the Data wire that goes toward the ECM side.

IMPORTANT! *Signals on the immobilizer wires are Data, not voltage. They can't be tested with conventional test equipment. All connections should be made using solder and tape to avoid any signal loss due to resistance in the connections. Quick connects are unacceptable!*

- **VIOLET:** Connect this wire to the keyside of the clock wire.
- **VIOLET/BLACK:** Connect this wire to the clock wire's ECM side.
- **BROWN:** Connect this wire to the Synch wire listed in the Application Guide.

Programming Instructions

1. Insert the vehicle key into the ignition cylinder. DO NOT turn it on.
2. Activate the remote start. The 555X LED will turn on when ground is received on the BLUE (-) activation wire indicating entry into the learn routine.
3. When the vehicle remote starts, the LED will turn off to indicate the key code was successfully learned.
4. Shut down the remote start and remove the key from the ignition cylinder.
5. Activate the remote start. The vehicle will start and run at this time.

Application Chart

For most Lexus applications the wires below should be found at the steering column for easy access. If the wires are not available or are different colors check the chart below.

NOTE: The factory BLACK ignition key must be used for programming; the GRAY key will not work.

BLACK	Ground
RED	12V Constant
WHITE/YELLOW	Synch Wire
WHITE	Clock Wire
WHITE/BLUE	Data Wire

Vehicle	SYNCH	CLOCK	DATA	IGNITION	GROUND	KEY SENSE
01 LX470	RED/YELLOW	VIOLET/GREEN	BLUE/BLACK	BLACK/YELLOW	WHITE/BLACK	
Highlander	GRAY	PINK	GRAY/BLUE	WHITE	WHITE/BLACK	
01 4-runner	PINK/BLACK	RED/BLACK	GRAY/RED	WHITE/BLUE	BROWN	YELLOW/RED
01-02 Sienna	BROWN/YELLOW	BROWN/RED	BROWN/WHITE	BLACK/RED	WHITE/BLACK	BLUE/BLACK
01-02 RX-300	GRAY	PINK	PURPLE	BLACK/RED	WHITE/BLACK	
01-02 RAV 4	YELLOW/BLACK	YELLOW	YELLOW/GREEN	BLACK/RED	WHITE/BLACK	BLUE/BLACK
01-02 Sequoia	YELLOW/GREEN	01 BLUE/GREEN	02 LT.GREEN	RED/YELLOW	BLACK/RED	ORANGE
02-IS-300	PINK/BLACK	PURPLE	GREEN/BLACK	BLACK/RED	WHITE/BLACK	
01 CAMRY	BLUE/YELLOW	RED/BLUE	GREEN/WHITE	BLACK/YELLOW	WHITE/BLACK	BLUE
02 CAMRY	BLUE/YELLOW	RED/BLUE	GREEN/WHITE	BLACK/RED	WHITE/BLACK	BLUE
02 SOLARA	BLUE/YELLOW	RED/BLUE	GREEN/WHITE	RED	WHITE/BLACK	
01 AVALON	BLUE/YELLOW	BLUE/ORANGE	PINK/GREEN	BLACK/WHITE	WHITE/BLACK	RED/YELLOW
02 ES 300	BLUE/YELLOW	RED/BLUE	GREEN/WHITE	BLACK/RED	WHITE/BLACK	
99+ GS 300	BLUE/RED	BLACK/WHITE	GREEN/ BLACK	BLACK/RED	WHITE/BLACK	YELLOW

