

INSTALLATION GUIDE

SS0005

VEHICLE ANTI-THEFT SYSTEM

UNIVERSAL SAFESTOP

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SS0005 - Universal Module Hardwire Instructions

NOTE: *DUE TO THE UNIVERSAL NATURE OF THE SS0005, IT IS NOT POSSIBLE TO LIST ALL OEM WIRE COLORS AND LOCATIONS FOR EVERY VEHICLE. THEREFORE, IT IS UP TO THE UPFITTER TO IDENTIFY ALL WIRE COLORS AND LOCATIONS NEEDED FOR THE FULL INSTALLATION OF THE SS0005. THIS CAN BE ACCOMPLISHED VIA A VEHICLE DATABASE, PROBING LINES WITH A MULTIMETER, OR CONTACTING TECH SUPPORT AT 1-800-480-6680.*

I. Line Location

- A. Remove driver side kick panel and/or steering wheel column to allow for easy access.
- B. Locate ignition switch connector, then identify 3 main ignition lines:
 - KEY-SENSE (which should output 12V when the key is simply inserted into the key cylinder).
 - ACC-RUN (which should output 12V when the key is first turned to activate vehicle accessories).
 - RUN-START (which should output 12V when the key is turned to start then run the vehicle).
- C. Locate a constant 12V power supply that can handle a 20A circuit, but nothing greater. The main power line heading into the ignition connector should be used. It can be identified by a thicker gauge wire that has a constant 12V output.
- D. Locate an area on the vehicle chassis where the SS0005 will eventually have the ground wire attached. It is not recommended that the SS0005 ground wire be shared with any other component, so common ground wires should be avoided.
- E. Locate a brake light line that gives a 12V output when the brake is pressed. If equipped, the Center High Mount Stop Lamp (CHMSL) is the best option, as it is typically independent of turn signals or hazard lights.
- F. Locate the shift lock actuator line, typically underneath the steering wheel column. One of the wires should have a 12V output when the brake pedal is pressed.
- G. The SS0005 provides an optional feature allowing the trunk release button to be disabled. If this feature is desired, then locate the trunk latch button and identify the line that gives a 12V output when the trunk latch button is engaged.
- H. Once all of the aforementioned lines have been identified, disconnect the battery and wait 20 minutes for any stored capacitance to discharge.

II. Line Cutting & Splicing

- A. Cut the KEY-SENSE ignition wire, and strip both ends. Attach the WHITE/BLACK wire from the SS0005 harness to the end of the KEY-SENSE wire that is heading towards the ignition switch. Attach the YELLOW wire from the SS0005 harness to the end of the KEY-SENSE wire that is heading away from the ignition switch. See Figure 1.
- B. Cut the ACC-RUN ignition wire, and strip both ends. Attach the ORANGE wire from the SS0005 harness to the end of the ACC-RUN wire that is heading towards the ignition switch. Attach the WHITE wire from the SS0005 harness to the end of the ACC-RUN wire that is heading away from the ignition switch. See Figure 1.
- C. Cut the RUN-START ignition wire, and strip both ends. Attach the YELLOW/WHITE wire from the SS0005 harness to the end of the RUN-START wire that is heading towards the ignition switch. Attach the GREEN wire from the SS0005 harness to the end of the RUN-START wire that is heading away from the ignition switch. See Figure 1.
- D. Cut the shift lock actuator line, and strip both ends. Attach the YELLOW wire from the SS0005 SHIFT DISABLE harness to one end of the shift lock actuator line. Attach the YELLOW/BLACK wire from the SS0005 SHIFT DISABLE harness to the other end of the shift lock actuator line (Polarity/orientation is irrelevant for this circuit). See Figure 1.
- E. If the optional SS0005 trunk disable feature is going to be used, then cut the trunk latch actuator line and strip both ends. Attach the BLUE wire from the SS0005 TRUNK DISABLE harness to one end of the trunk latch actuator line. Attach the BLUE/WHITE wire from the SS0005 TRUNK DISABLE harness to the other end of the trunk latch actuator line (Polarity/orientation is irrelevant for this circuit). See Figure 1.
- F. Splice the GREEN/WHITE wire from the SS0005 harness into the CHMSL brake light line (T-tap). See Figure 1.
- G. Splice the RED wire from the SS0005 harness into the constant 12V ignition power supply (T-tap). See Figure 1.
- H. If there is a desire to use the optional SS0005 gunlock output wire, then simply attach the BROWN SS0005 wire to the gunlock timer input wire (see gunlock timer installation manual for details). If this feature is not needed, simply cap off the BROWN wire with heat shrink or another type of wire insulator. See Figure 1.
- I. Attach the BLACK wire from the SS0005 harness to the isolated vehicle chassis point. See Figure 1.

III. Testing

- A. Reconnect the battery.

B. Test SS0005 for full functionality:

- SS0005 unit test:
 1. Start vehicle.
 2. Turn SS0005 toggle switch on (red LED illuminated).
 3. Turn key to off and remove from ignition switch. Vehicle should keep running.
 4. Turn SS0005 toggle switch off (red LED not illuminated). Vehicle should shut down.
- SS0005 brake pedal override:
 1. Start vehicle.
 2. Turn SS0005 toggle switch on (red LED illuminated).
 3. Turn key to off and remove from ignition switch. Vehicle should keep running.
 4. Depress brake. Vehicle should shut down.
- SS0005 gun lock override:
 1. Start vehicle.
 2. Turn SS0005 toggle switch on (red LED illuminated).
 3. Activate momentary switch for gunlock. Gunlock should disengage for 8 seconds, before reengaging.
 4. Turn key to off and remove from ignition switch, and immediately activate momentary switch for gunlock. Gunlock should disengage for 8 seconds, before reengaging. After that, the gunlock should not be able to disengage anymore until the key is reinserted back into the ignition.
- SS0005 trunk disable override:
 1. Start vehicle.
 2. Turn SS0005 toggle switch on (red LED illuminated).

3. With keys in ignition, activate the trunk release latch. Trunk should release.
 4. Close trunk.
 5. Remove keys from ignition. While vehicle is still running, try activating the trunk release hatch. Trunk should not release.
- C. After successful test verification, it is recommended that the SS0005 module be mounted securely to a solid location in or around the steering column. A $\frac{3}{4}$ " hole will need to be drilled in order to mount the SS0005 toggle switch, preferably in a location where the toggle switch will be in plain view on a cosmetically friendly surface. Harnesses should be coiled and secured away from any sharp metallic edges.

Figure 1

