



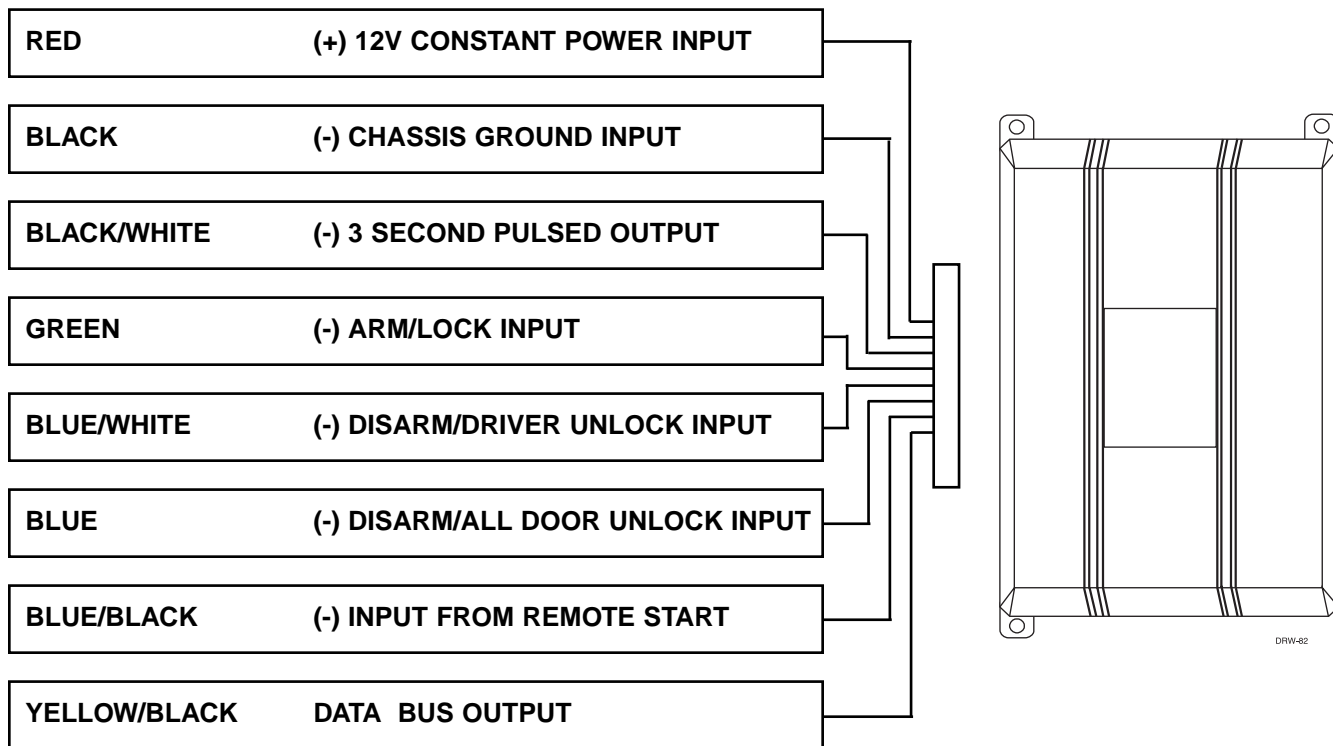
455J Grand Cherokee Interface

IMPORTANT!

Please read this installation guide thoroughly before installing the 455J. Use only a high quality digital multi-meter for testing. This product connects to the vehicle's low voltage signal wire and improper installation or testing can result in damage to the vehicle. Never use a test light or logic probe to test wires in this vehicle!

The 455J Grand Cherokee interface operates many functions of the lock/security system in the 1999 and newer model years of the Jeep Grand Cherokee. The 455J converts the signals from the security system to signals that can be understood by the vehicle's data bus. This allows interfacing with the factory security and lock system through the data wire in the vehicle. The 455J controls door lock operation including locking, unlocking, and driver's door only unlocking. The 455J also provides full control of the factory security system. The system can be armed and disarmed when locking or unlocking the doors or disarmed when remote starting while leaving the doors locked. The dome light will also illuminate when the unit unlocks the vehicle doors.

WIRING DIAGRAM



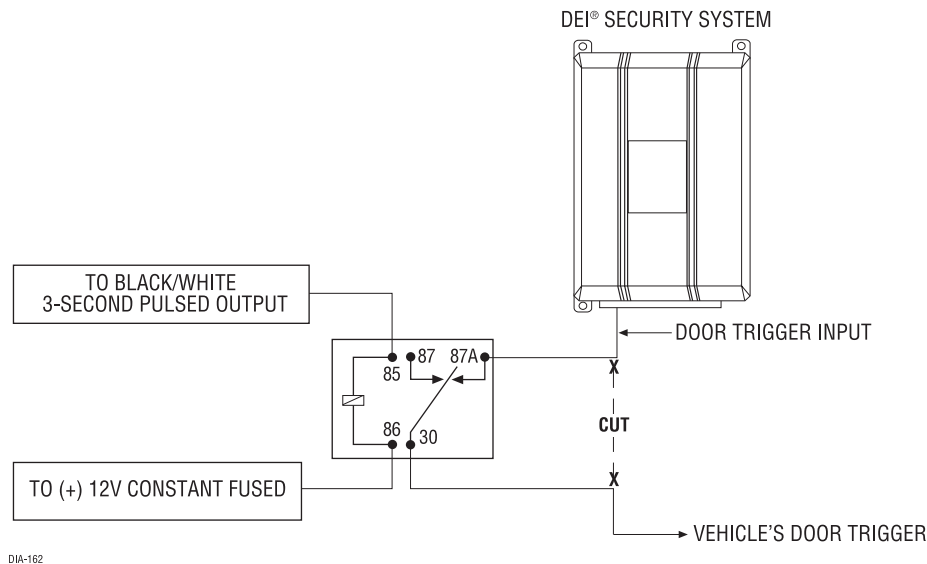
WIRE CONNECTION GUIDE

8-Pin Main Harness - Connections made to DEI system

RED (+) constant power input: Connect to a fused source of constant 12V.

BLACK (-) chassis ground input: Connect this wire to a paint-free surface on the vehicle chassis. Use a factory bolt if possible.

BLACK/WHITE (-) three-second pulsed output: This output is activated whenever the BLUE/BLACK wire receives input from the remote start system. It is only necessary to use this wire if a DEI security system is being installed with a remote start. Using a relay as shown in the diagram below, this wire will interrupt the DEI security system's door trigger input for three seconds when the vehicle is remote started. When the Grand Cherokee's factory security system is disarmed, the dome light is turned on momentarily. This relay prevents the triggering of the DEI system.



GREEN (-) arm/lock input: Connect this wire to the (-) lock output from the DEI keyless entry or security system.

BLUE/WHITE (-) disarm/driver's unlock input: If the system is being wired to unlock the driver's door only, connect this wire to the (-) unlock output from the DEI keyless or security system.

BLUE (-) disarm/all door unlock input: Connect this wire to the (-) unlock output of the DEI keyless entry or security system. If wiring the system for progressive unlock (DDU), connect this wire to the auxiliary output of the DEI system that is used to unlock ALL doors.

BLUE/BLACK (-) remote start input: If installing a remote start product, connect this wire to an output of the remote start which provides a (-) negative output when the remote is active. This will disarm the factory security system when the vehicle is started with the remote start. When the remote start is shut down (input goes away), the factory security system will rearm.

YELLOW/BLACK (+) data bus output: Connect this wire to the yellow/black (or yellow/violet) data bus signal wire in the vehicle.

IMPORTANT! The data bus wire is a wire that connects the vehicle's network of control modules and allows communication throughout the vehicle. This wire can be easily found at the diagnostic plug located under the dash in the driver's compartment. This wire carries a low voltage data signal and CANNOT be tested.