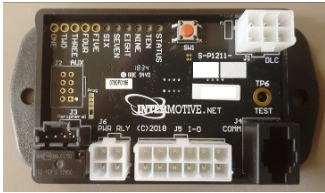


Instructions



WTSI607-A Work Truck Shift Interlock 2022-2023 Chevy Silverado 2500-6500 Contact InterMotive for additional vehicle applications.

System Overview

The WTSI607-A is a Work Truck Shift Interlock which can prevent a vehicle from shifting out of Park when various equipment is not properly stowed. Any number of switches on stabilizers, booms, cranes, equipment doors, and so on may be used to lock the vehicle's transmission shifter in Park to ensure the vehicle is not inadvertently driven in an unsafe condition.

Installation Instructions

Disconnect vehicle battery before proceeding with installation.



WARNING
Disconnect the battery to
prevent setting a check engine
light.

IMPORTANT — READ BEFORE INSTALLATION

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers.

Avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Avoid radio frequency energy from antennas or inverters next to the module. Avoid high voltage spikes in vehicle wiring by always using diode clamped relays and solenoids when installing upfitter circuits.

CAUTION

All electronic products are susceptible to damage from Electrostatic Discharge or ESD. Ground yourself before handling or working with the module and harnessing by first touching chassis ground, such as the barrel of the cigarette lighter.



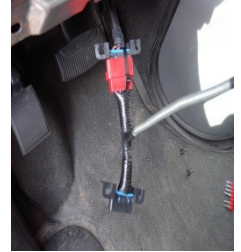
WTSI607 Module

Remove the lower dash panel below the steering column area and find a suitable location to mount the WTSI607 module. Locate the module in an area away from any external heat sources (engine heat, heater ducts, etc.). Do not mount the module until all wire harnesses are routed and secure. The last step of installation is to mount the module.

Instructions

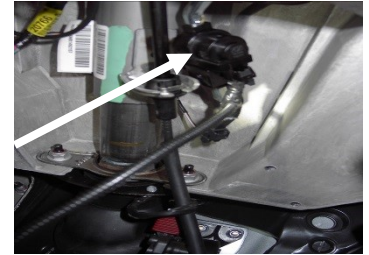
Data Link Harness

1. Locate the vehicle OBDII Data Link Connector. It will be mounted below the lower left dash panel.
2. Remove the mounting screws for the OBDII connector. Plug the Red connector from the WTSI607 Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secure the connectors together with the supplied wire tie.
3. Mount the Black pass-through connector from the WTSI607 Data Link Harness in the former location of the vehicle's OBDII connector.
4. Secure the WTSI607 Data Link harness so that it does not hang below the lower dash panel.
5. Plug the free end of the Data Link harness into the mating 6-pin connector on the WTSI607 module.



Shift Lock Solenoid Harness - 8-pin connector

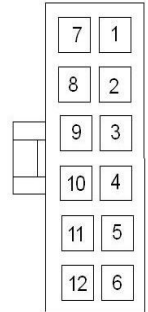
1. Remove the lower steering column trim cover.
2. Locate the OEM shift lock solenoid to the right side of the steering column.
3. Remove the OEM 2-pin black connector .
4. Locate the Black T-harness Blue wire Pin 1 of the 12 pin connector
5. Plug the Black connectors into the Shift Lock Solenoid.
6. Verify green locking tabs are in the locked position.



Instructions

Park output - An optional “Park” output Orange wire is provided (pin 3), which indicates when the vehicle is in Park, and it is safe to operate equipment. This can be used as a “ground enable” signal, which enables the equipment for operation. This output can sink 1/2A. Adding an external relay can boost this current if needed.

Shift Lock Control Input - Applying a ground to the Purple Shift Lock wire (pin #11) will lock the transmission shifter, if in Park. This can be used to prevent the vehicle from driving when equipment has not been properly stowed. This can be connected to any number of grounding switches (connected in parallel) which can effectively “lock the vehicle down” when equipment is not properly stowed.



Current flow from this Shift Lock input through the switch(es) is very low (microamps). For optimum reliability, use switches intended for low current use.

WTSI607 Module Mounting

Ensure all harnesses are properly connected and routed, and are not hanging below the dash area. Mount the WTSI607 module using screws or double sided tape and reinstall all removed panels.

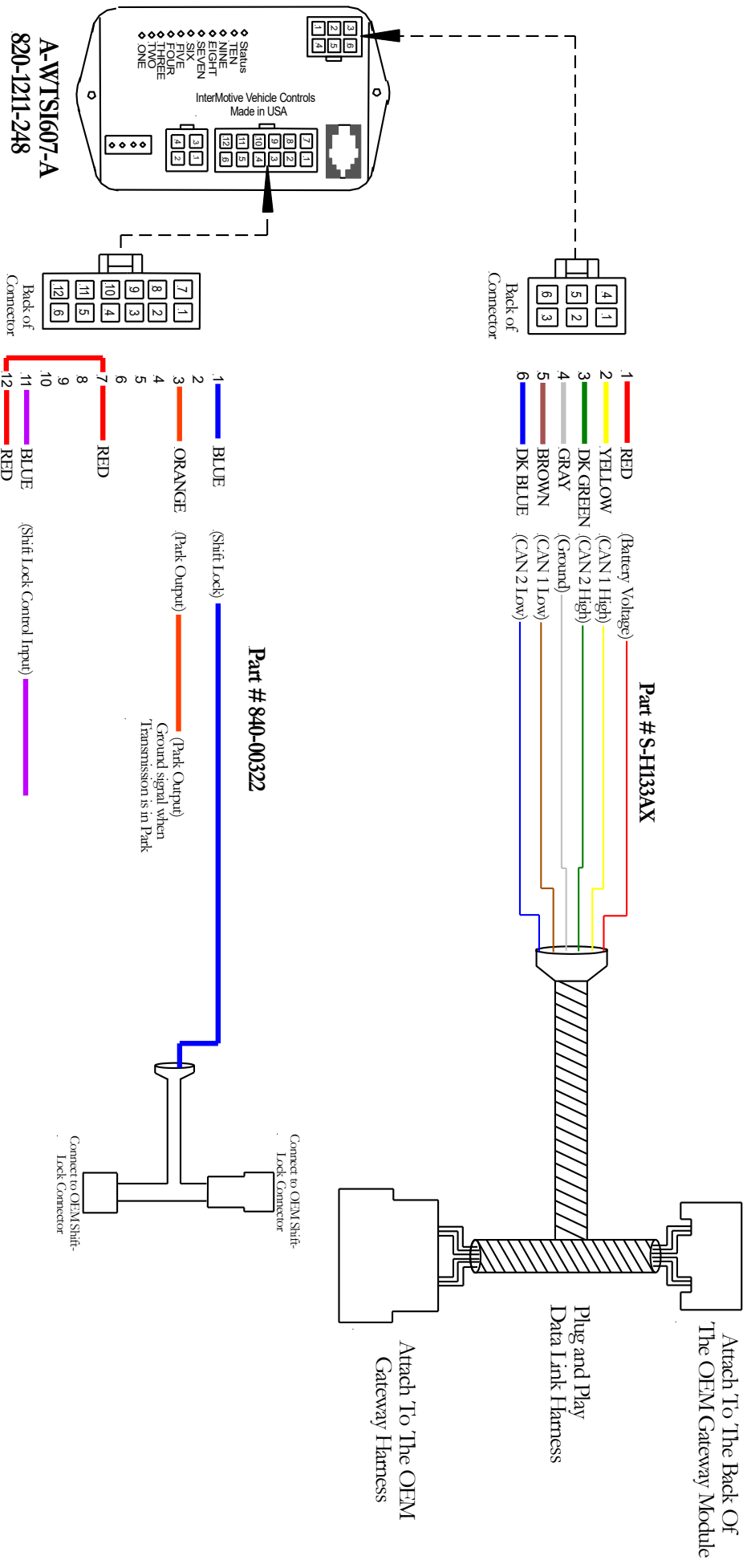
Post-Installation Test (Ignition on)

The OEM system will lock the shifter in Park until the Service Brake is applied. WTSI607-A will further keep the shifter locked even when Service Brake is applied when the shift lock input Blue wire has a ground signal applied (equipment not stowed). Test system operation as follows:

If the Orange wire Park output is used, confirm equipment is not enabled unless the vehicle is in Park.

1. Apply a Ground signal to the Shift Lock input Blue wire by un-stowing equipment (12 Pin Connector Pin #11 Purple wire).
2. Verify that the vehicle will *not* shift out of Park when depressing the Service Brake.
3. Stow equipment and confirm Shift Lock is released by applying Service Brake and shifting out of Park.

The WTSI607-A must pass this system test before the installation is complete.



Submit product registration at www.intermotive.net

If the WTSI607 fails any step in the Post Installation Check List, review the installation instructions and check all connections. If necessary, call InterMotive Technical Support at (530) 823-1048.