



An ISO 9001:2008 Registered Company

WTSI506-A

Work Truck Shift Interlock

2011-2012 Ford F Series

6.2L, 6.7L, 6.8L Engines

Contact InterMotive for additional vehicle applications.



Introduction

The WTSI506-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

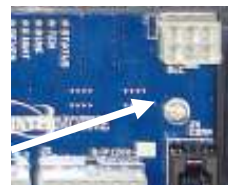
Be sure the vehicle's battery is disconnected before proceeding with installation.

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.

Remove the lower dash panel below the steering column and find a suitable location to mount the module. Do not actually mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module. It is recommended the module be mounted with two screws, however 2-sided foam tape may also be used. Be careful to route the harnesses such that the tilt steering column does not contact them in the full down position. When installing the harnesses, leave several inches of take-out such that the module can be removed if necessary.

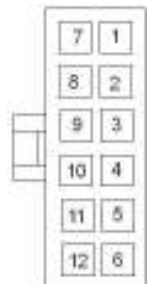
Data Link Harness Installation

- Locate the vehicle's OBDII Data Link Connector. It will be mounted below the lower left dash panel.
- Remove the mounting screws for the OEM OBDII connector. Plug the Red connector from the WTSI506-A Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secure with the supplied wire tie.
- Mount the Black pass through connector from the WTSI506-A Data Link Harness in the former location of the vehicle's OBDII connector.
- Secure the WTSI506-A Data Link harness so that it does not hang below the lower dash panel.
- Plug the Data Link harness into the mating 6-pin connector on the WTSI506-A module.



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 - Grounding the Blue 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.



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WTSI506-A-INS-03

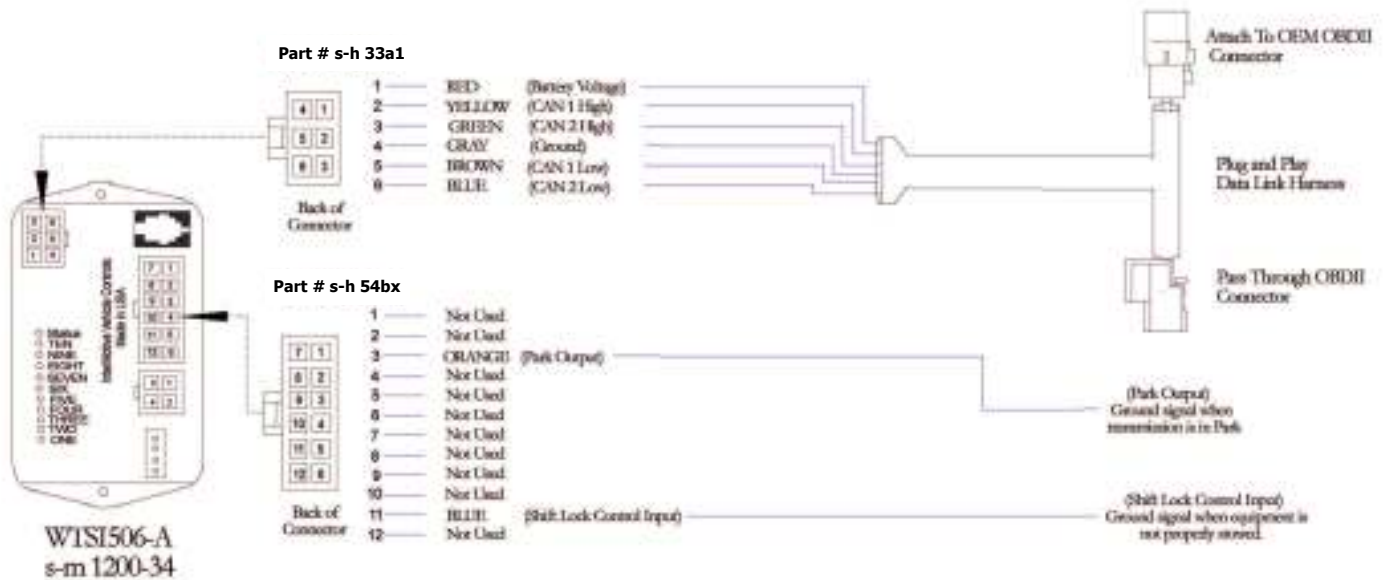
Current flow from this Shift Lock input through the switch(es) is very low (microamps). For optimum reliability, use switches intended for low current use.

Post-Installation Test (Ignition on)

The OEM system will lock the shifter in Park until the Service Brake is applied. WTSI506-A will further keep the shifter locked even when Service Brake is applied when the shift lock input Blue wire is grounded (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.
- Ground the Shift Lock input Blue wire by un-stowing equipment (12 Pin Connector Pin #11 Blue wire).
- Verify that the vehicle will **not** shift out of Park when depressing the Service Brake.
- Stow equipment and confirm Shift Lock is released by applying Service Brake and shifting out of Park.

The WTSI506-A must pass this system test before the installation is complete.



Submit product registration at www.intermotive.net

If the WTSI506-A fails any step in the System Operation Test, review the installation instructions and check all connections. If necessary, call

InterMotive technical support @ (530) 823-1048.