

JERR-DAN®

**Operation And
Troubleshooting
Manual**

Original Instructions

Keep this manual with machine at all times.

**SMART PTO
SYSTEM**

5376000192

*Revised
August 1, 2018*

JERR-DAN®

An Oshkosh Corporation Company

REVISION LOG

December 20, 2016 - 0 - Original Issue of Manual.

August 1, 2018 - B - Revised cover page.

 **WARNING**

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle or equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing. For more information go to www.P65Warnings.ca.gov.

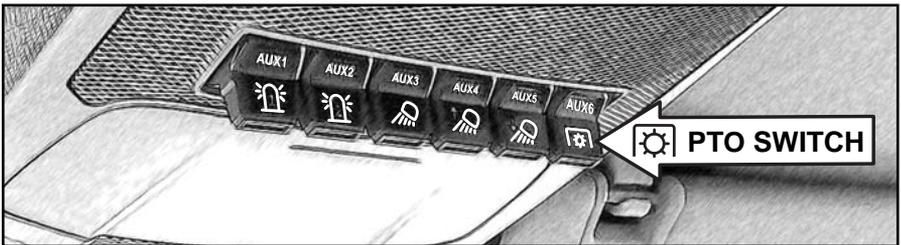
SECTION 1 - OPERATION AND TROUBLESHOOTING

1.1 GENERAL

This vehicle is equipped with Jerr-Dan's SMART PTO System. It consists of a clutch shift PTO mounted on the Ford 6R140 TorqShift™ transmission, and controlled by Jerr-Dan's SMART PTO Controller. The SMART PTO System is designed to provide the hydraulic power that your towing and recovery operations require, while protecting the PTO and transmission from damage.

1.2 OPERATION

To operate your PTO turn on the switch marked as the PTO switch. The SMART PTO System will automatically determine which mode to engage and send the proper signals to Ford's computer to turn on the PTO. With the parking brake engaged the PTO will enter Ford's Stationary Elevated Idle operating mode. With the parking brake disengaged the PTO will enter Ford's Mobile Mode allowing you to use the PTO while moving the wrecker below 10 MPH. The PTO switch will also turn on power to any wired or wireless remotes that may have been supplied with your wrecker.



To turn off your PTO, simply turn off the switch marked as the PTO switch. The PTO will disengage, the remote controls will turn off, and any high idle operations will cease.

1.3 TROUBLESHOOTING

If you exceed a vehicle speed of 10 MPH or 1500 RPM's while the PTO is engaged it will automatically disengage and remain disengaged until the speeds fall below the set thresholds.

If you will be using the PTO without moving the truck, it is advised that you engage the parking brake to initiate the Stationary Elevated Idle mode. Otherwise, the PTO may time out and disengage; to re-engage turn the PTO switch off and back on again.

If any of the enable or disable conditions required by Ford's system are not met, then you will have to turn off the PTO switch and turn it back on when the conditions required by Ford are met again. For a list of the enable and disable conditions please reference Ford's bulletin Q-256.



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