




**OPERATING INSTRUCTIONS  
FOR THE  
PTO-180 AND PTO-180-23 SPLIT SHAFT POWER TAKE-OFF**

**465-0347  
REVISION ( )**

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	151 Lawrence Drive Livermore, CA 64551 Phone: 925-454-9500 Fax: 925-454-9501	<b>BY: JET</b>	<b>DRAWING OR PART NUMBER</b>  <b>465-0347</b>	<b>REV.</b>
		<b>DATE: 04/12/11</b>		--

# OPERATING INSTRUCTIONS

## PTO-180, PTO-180-23 SPLIT SHAFT POWER TAKE-OFF

### 1. PTO Identification

Each PTO is identified by model, part number, and serial number. This identity is included on a name plate affixed to the housing rear view, left-hand side, next to the intermediate breather cap. Use this identity when discussing installation and/or service and parts issues.

### 2. Recommended Lubricants

SAE 50 or 75W 90 GL4 MT-1 synthetic lube. (EP) Extreme Pressure lube is not recommended.

### 3. Oil Filling


It is recommended to fill the oil when the unit has been installed into the vehicle. Fill the unit with the appropriate oil with the vehicle on level ground. Fill unit with approximately 12 quarts of oil, or to the fill level, regardless of whether an oil cooler is installed or not. Run the unit first in PTO mode for 5-10 minutes at 2100 RPM and check to make sure the oil pump is primed and oil is flowing through the cooler return line by disconnecting it and ensuring oil flows out. Recheck oil level and fill accordingly.

### 4. Oil Change

The lubricant should be changed on all new units after the first 3,000 to 5,000 miles or the first 40 hours of operation. Thereafter, oil changes should be performed at 10,000 to 15,000 miles or 500 to 750 hours of operation.

### 5. Oil Cooler Usage

An oil cooler is recommended with 350 to 399 horsepower engines. An oil cooler is mandatory with 400 horsepower engines and above. When the average operating temperature of the unit is above 250° F the unit can require more frequent oil changes or external cooling. A temperature gauge or warning light alarm can monitor operating temperature.

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The following conditions in any combination can cause operating temperatures above 250° F:

- A. Operating consistently at low speed
- B. High ambient temperatures
- C. Restricted air flow around unit
- D. High horsepower
- E. Overdrive operation
- F. Continuous stationary operation


6. Shifting Instructions

The unit must be stopped to shift modes

- A. Stop vehicle.
- B. Shift transmission into neutral.
- C. Shift PTO-180 into roading or PTO mode.
- D. If vehicle is equipped with automatic transmission, engage transmission reverse.
- E. Shift transmission into desired gear.
- F. Resume operation.

7. For any other questions, contact Fabco Automotive Corporation, Customer Service

Department at 1-800-967-8838.

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