

# BLACKMER HYDRAULIC MOTOR ADAPTER KITS INSTALLATION AND MAINTENANCE INSTRUCTIONS

961824  
INSTRUCTIONS NO. 206-E00

Section	206
Effective	Oct 2015
Replaces	Apr 2012



### This is a SAFETY ALERT SYMBOL.

When you see this symbol on the product, or in the manual, look for one of the following signal words and be alert to the potential for personal injury, death or major property damage



Warns of hazards that **WILL** cause serious personal injury, death or major property damage.



Warns of hazards that **CAN** cause serious personal injury, death or major property damage.



Warns of hazards that **CAN** cause personal injury or property damage.

### NOTICE:

Indicates special instructions which are very important and must be followed.

### NOTICE:

Blackmer pumps **MUST** only be installed in systems, which have been designed by qualified engineering personnel. The system **MUST** conform to all applicable local and national regulations and safety standards.

These instructions are intended to assist in the installation of Blackmer hydraulic motor adapters, and **MUST** be kept with the pump.

Blackmer pump service shall be performed by qualified technicians **ONLY**. Service shall conform to all applicable local and national regulations and safety standards.

Thoroughly review the pump manual, all instructions and hazard warnings, **BEFORE** performing any work on the Blackmer pump.

Maintain **ALL** system and Blackmer pump operation and hazard warning decals.

### WARNING



Hazardous machinery can cause serious personal injury or property damage.

Failure to set the vehicle emergency brake and chock wheels before performing service can cause severe personal injury or property damage.

### WARNING



Hazardous pressure can cause serious personal injury or property damage.

Failure to relieve system pressure prior to performing pump service or maintenance can cause serious personal injury or property damage.

### WARNING



Hazardous machinery can cause serious personal injury.

Failure to disconnect and lockout electrical power or engine drive before attempting maintenance can cause severe personal injury or death.

### NOTICE:

The appropriate Blackmer pump manual and parts list may be obtained from the Blackmer website ([www.blackmer.com](http://www.blackmer.com)) or by contacting Blackmer customer service.

### NOTICE:

Maintenance and trouble shooting must be done by an individual experienced with pump maintenance and the type of system involved.

### NOTICE:

The following instructions include only the steps necessary to install the Blackmer hydraulic motor adapter kit. Before proceeding, read and follow related instructions and hazard warnings provided in the appropriate pump "Installation, Operation and Maintenance" manual.

## HYDRAULIC MOTOR ADAPTER INSTALLATION

- Remove the bearing cover (27A) and gasket (26) from the **inboard** end of the pump. Discard the gasket.
- For Keyed Couplings:  
Apply a light coating of grease to the pump shaft, and install the coupling (34) on shaft with the shaft key aligned in the notch. Lock the coupling into place with the setscrew over the shaft key. Rotate the pump shaft until the key is on top.
- For Splined Couplings:  
Apply a light coating of grease to the pump shaft, and install the coupling (34) on shaft aligning the splined coupler with the splined shaft. Push the coupler onto the shaft until it comes to a stop.
- Install a new gasket (26A) and hydraulic motor adapter (135) on the pump head. Install capscrews (28A) through the adapter, torquing to 30-lbs. ft (40 Nm.).
- To assure proper shaft alignment between the hydraulic motor and pump, install the hydraulic motor adapter (135) to align with the machined pilot/shoulder on the pump head. **NOTE: The head must be replaced if it is not machined with a pilot/shoulder — consult factory.** See Figure 1.
- Grease the hydraulic motor shaft. Install the coupling key (35) in the hydraulic motor shaft and align the key with the notch in the coupling. Attach the hydraulic motor to the adapter using the adapter/motor capscrews (135A), torquing to 40-lbs. ft (54 Nm.).
- Apply grease in the hydraulic motor adapter through the grease fitting (76).

### Recommended Grease:

Mobil® - Mobilgrease XHP222  
Exxon® RONEX MP  
or equivalent.

- Attach hydraulic hoses to the hydraulic motor

### PILOT / SHOULDER

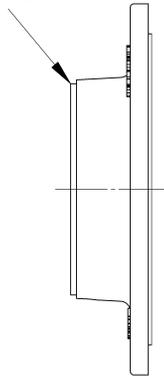
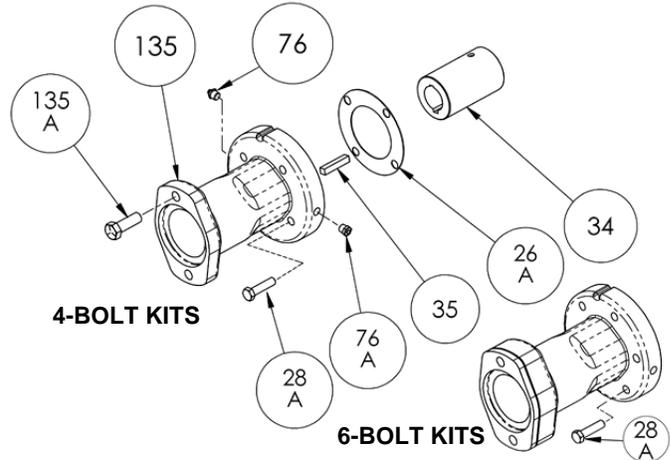


Figure 1  
PUMP HEAD - SIDE VIEW

## HYDRAULIC MOTOR ADAPTER KITS

Ref. No.	Part Name	Qty.
26A	Gasket- Hydraulic Motor Adapter	1
28A	Capscrew –Adapter / Pump Head	4 / 6
34	Coupling w/ Setscrew	1
35	Key – Coupling	1
76	Grease Fitting	1
76A	Grease Relief Fitting	1
135	Hydraulic Motor Adapter (SAE A flange)	1
135A	Capscrew – Adapter / Motor	2



PUMP MODELS	MOTOR SHAFT DIA.	KIT NO.
<b>4-BOLT KITS</b>		
TX1.5, TXD2A, TXD2.5A, TXD1220, TXD1225, TXV2.5, TXH3C, TLGLF3C, STX2, STX1220	1"	891205
TX1.5, TXD2, TXD1220, STX2, STX1220 (For H-series hydraulic motors)	1"	891464
TXD2A, TXD2.5A, TXD1220, TXD1225, TXV2.5B, TXH3C, TLGLF3C, STX2, STX1220	1.25"	891458
LGLD2E, CRL2	1.25"	894425
<b>6-BOLT KITS</b>		
TXD3, TXD1230, TXV3B, LGLD3E, CRL3	1.25"	895140
TXD3, TXD1230, TXV3B, LGLD3E, CRL3	1"	895143
TXH35A	1.25"	892229
TX206A (Keyed Pump Shaft)	1.25"	895141
TX206A (Splined Pump Shaft)	1.25"	895142
STX3	1.25"	892228
LGLD4A, CRL4, TLGLF4B	1.25"	892037

