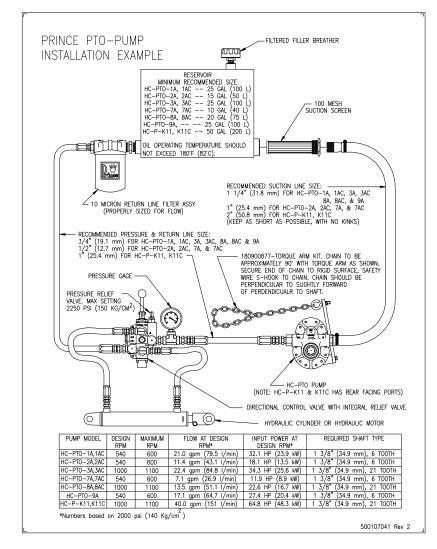
SYM. REVISION

- OUTLET ADAPTERS 500204011 WERE 500204010, ECN 11164, 7/12/96, M
- 2 ADDED PART NO.'S AND SPECIFICATIONS FOR HC-PTO-7AC, 8A, 8AC, & 9A PUMPS, ECN# 13961, 2-3-00, ADM.





Prince PTO series pumps are specifically designed for PTO operation on agricultural tractors. In order to utilize these pumps to their full potential, please read the following and review the illustration on the back of this page before installation.

OPEN CENTER: Pump flow must return to the reservoir with the valve in the neutral position (valve must be an open center valve). PRESSURE: FILTRATION: A 100 mesh suction strainer and a 10 micron return line filter, both sized properly for flow and both incorporating a "dirty filter" internal bypass filter are recommended. (Note: If the pump is being installed on a system where

there has been a component that failed, the system should be cleaned out and new oil should be used.)
Use a good qualify mineral base hydraulic fluid with a viscosity of 70-250 sus (13-55 cSt) at system operating conditions. Depending on temperature, commonly used fluids are 10W, 20W, ISO32, ISO46 and ATF.

TEMPERATURE: If operating oil temperature exceeds 180°F (82°C), a larger reservoir or heat exchanger is required.

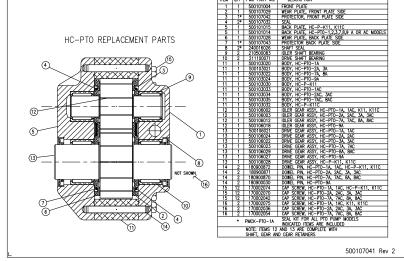
TORQUE ARM: Torque arm kit #180900877, with an 11" (280 mm) long torque arm and 800 lib (375 Kg) minimum working strength chain, is recommended. The chain should be appore. 90 to the torque arm and be secured to a rigid

surface. The chain should be perpendicular to the PTO shaft to avoid an end thrust on the pump.

SPLINE LENGTH: Drive shaft must extend into pump a minimum of 3" (75 mm) for 6 tooth splines, 2 1/2" (60 mm) for 21 tooth splines, 2 1/2" (60 mm) for 21 tooth splines, 2 1/2" (75 mm) for 6 tooth splines, 2 1/2" (75 mm) for 21 tooth splines, 2 1/2" (75 mm) for 6 tooth splines, 2 1/2" (75 mm) f

PORTS: Ports are as shown. (Note, pumps are provided with a steel plug for the auxiliary outlet port and adapters shown.)

	PUMP MODEL	INLET PORT RPM	INLET PORT TO HOSE ADAPTER (PRINCE PART No.)	AUXILIARY OUTLET PORT	REAR OUTLET PORT	OUTLET PORT TO PIPE ADAPTER (PRINCE PART No.)
Н	C-PTO-1A & 1AC	#16 SAE O-RING	1 1/4" (31.8 mm) HOSE (270011013)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
H	C-PTO-3A & 3AC	#16 SAE O-RING	1 1/4" (31.8 mm) HOSE (270011013)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
H	C-PTO-2A & 2AC	#16 SAE O-RING	1" (25.4 mm) HOSE (270011017)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
Г	HC-PTO-7A, 7AC	#16 SAE O-RING	1" (25.4 mm) HOSE (270011017)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
H	C-PTO-BA & BAC	#16 SAE O-RING	1 1/4" (31.8 mm) HOSE (270011013)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
Г	HC-PTO-9A	#16 SAE O-RING	1 1/4" (31.8 mm) HOSE (270011013)	#12 SAE O-RING	#12 SAE O-RING	3/4" (19.1 mm) F. PIPE (500204011)
H	C-P-K11 & K11C	#20 SAE O-RING	2" (50.8 mm) HOSE (270011046)	#12 SAE O-RING	#16 SAE O-RING	1" (25.4 mm) F. PIPE (500204012)



ENGLISH

DEBURR & BREAK ALL EDGES DO NOT SCALE DRAWING DIMENSIONS ARE IN INCHES OR (MILLIMETERS) UNLESS OTHERWISE SPECIFIED

HYDRAULIC

FLUID:

TOLERANCES: ANGLES ± 1'
FRACTION ± 1/32 (± 0.79)
.00 ±.02 (±0.05)
.000 ±.005 (±0.13)



DRAWN B

PRINCE MFG. CORP.
P.O. BOX 7000 N. SIOUX CITY, SD 57049
HYDRAULIC CYLINDERS & ACCESSORIES

PART NUMBER
500107041

PTO INSTALLATION INSTRUCTIONS
MATERIAL