

FOR STANDARD MODELS AVAILABLE & ADDITIONAL INFORMATION GO TO: www.princehyd.com

TORQUE NOTES:

RELIEF CARTRIDGE: 350-400 IN-LBS. LOAD CHECK ASSY: 200-230 IN-LBS. CAP SCREW, 5 mm (GFN): 10-12 IN-LBS. H.P. CARRYOVER PLUG: 55-65 IN-LBS.

NOTE: CARRYOVER PLUG IS 1/4-19 BSPT AND IS NOT COMPATIBLE WITH 1/4-18 NPTF PLUGS.

ITEM:	PART NO.:	DESCRIPTION:
1	*	VALVE BODY
2	*	SPOOL, CYLINDER
3	*	LOAD CHECK CARTRIDGE
4		RELIEF CARTRIDGE, ADJUSTABLE
5	660170057	SPRING CENTER KIT, GFN
6	660170056	HANDLE HOUSING KIT, GFN
7		HANDLE KIT
8	660570003	SEAL KIT (1 THRU 6 SPOOLS)
		* - NOT SERVICED SEPERATELY

PRINCE MODEL 'MB' SPECIFICATIONS:

MAXIMUM OPERATING PRESSURE: 3500 PSI

MAXIMUM TANK PRESSURE: 500 PSI NOMINAL FLOW RATING: 8 GPM

MAX. OPERATING TEMPERATURE: 180°F

FILTRATION RECOMMENDATIONS: ISO 4406 19/17/14

STD. PORT SIZE (INLET, OUTLET, POWER BEYOND AND WORK

PORTS): #8 SAE ORB, 3/4-16UNF-2B

RECOMMENDED FLUID: HIGH QUALITY MINERAL BASED HYDRAULIC FLUID WITH VISCOSITY FROM 12 cSt TO 400 cSt.

RELIEF VALVE: AN ADJUSTABLE RELIEF VALVE CARTRIDGE IS STANDARD ON ALL 'MB' MODELS. THE STANDARD FACTORY SETTING IS 2500 PSI @ 6 GPM. STANDARD ADJUSTMENT RANGE IS 2000 PSI TO 3500 PSI.

THE RELIEF SETTING IS ADJUSTED BY LOOSENING THE JAM NUT, AND TURNING THE ADJUSTING SCREW. TURNING THE ADJUSTING SCREW CLOCKWISE INCREASES RELIEF PRESSURE AND COUNTERCLOCKWISE DECREASES RELIEF PRESSURE (A PRESSURE GAUGE MUST BE INSTALLED IN THE INLET LINE OR PORT WHENEVER THE RELIEF PRESSURE IS ADJUSTED).

WARNING: OVERPRESSURE MAY CAUSE SUDDEN AND UNEXPECTED FAILURE OF A COMPONENT IN THE HYDRAULIC SYSTEM RESULTING IN SERIOUS PERSONAL INJURY. ALWAYS USE A GAUGE WHEN ADJUSTING A RELIEF VALVE.

