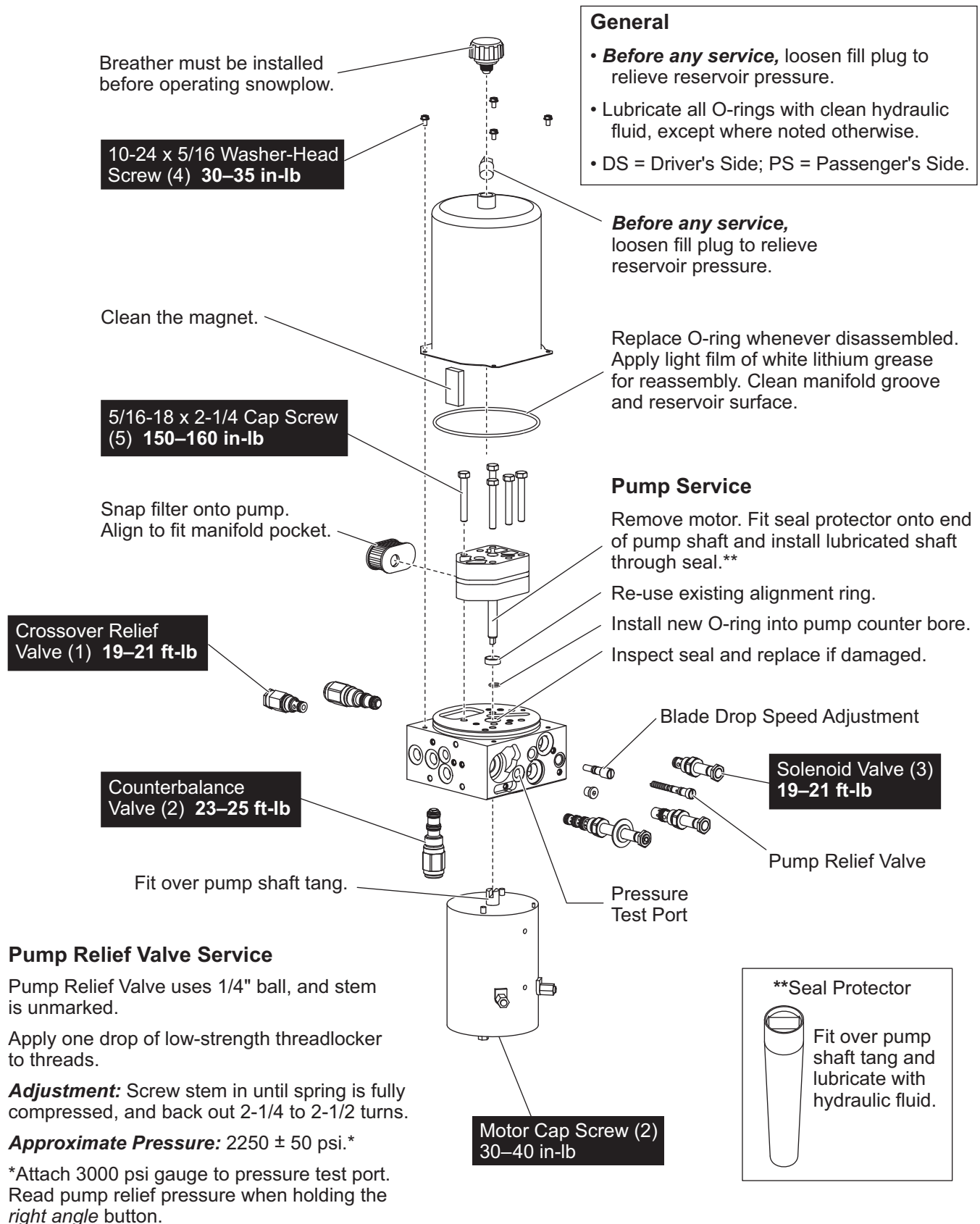


HYDRAULIC UNIT – AUTO-POSITIONING WING BLADE

SERVICE INSTRUCTIONS



HYDRAULIC UNIT – AUTO-POSITIONING WING BLADE

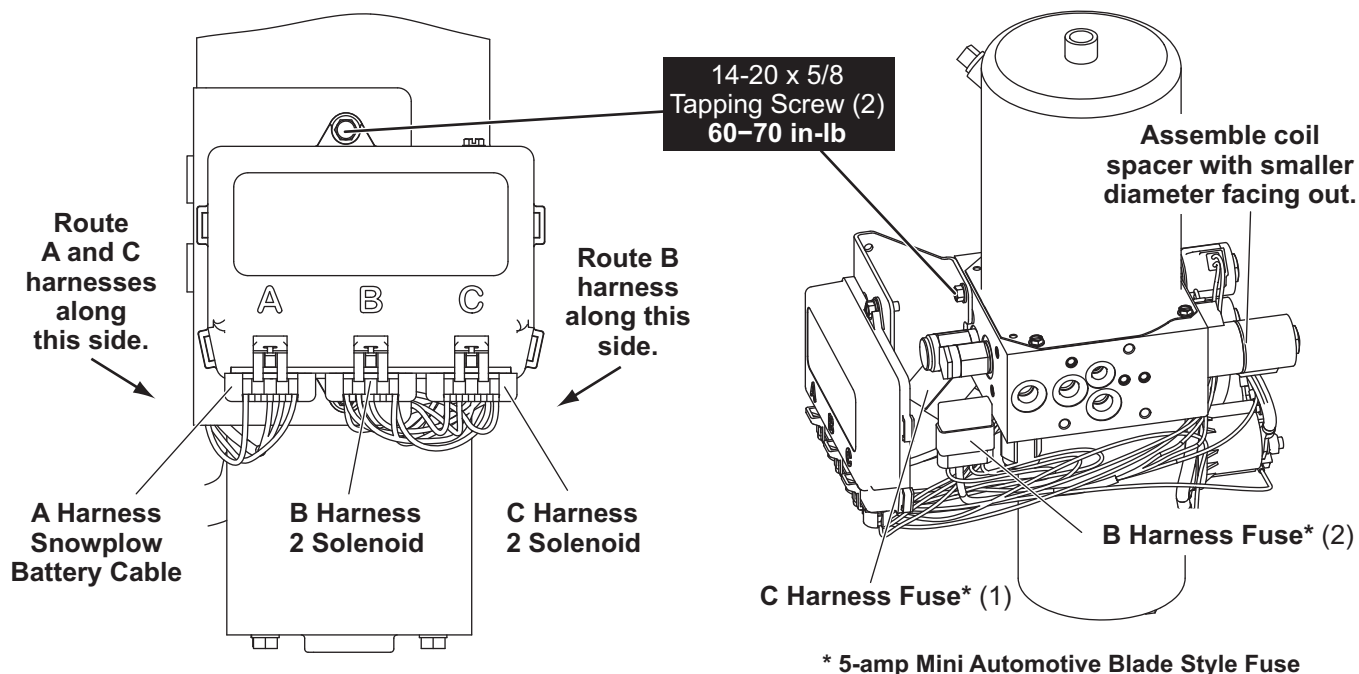
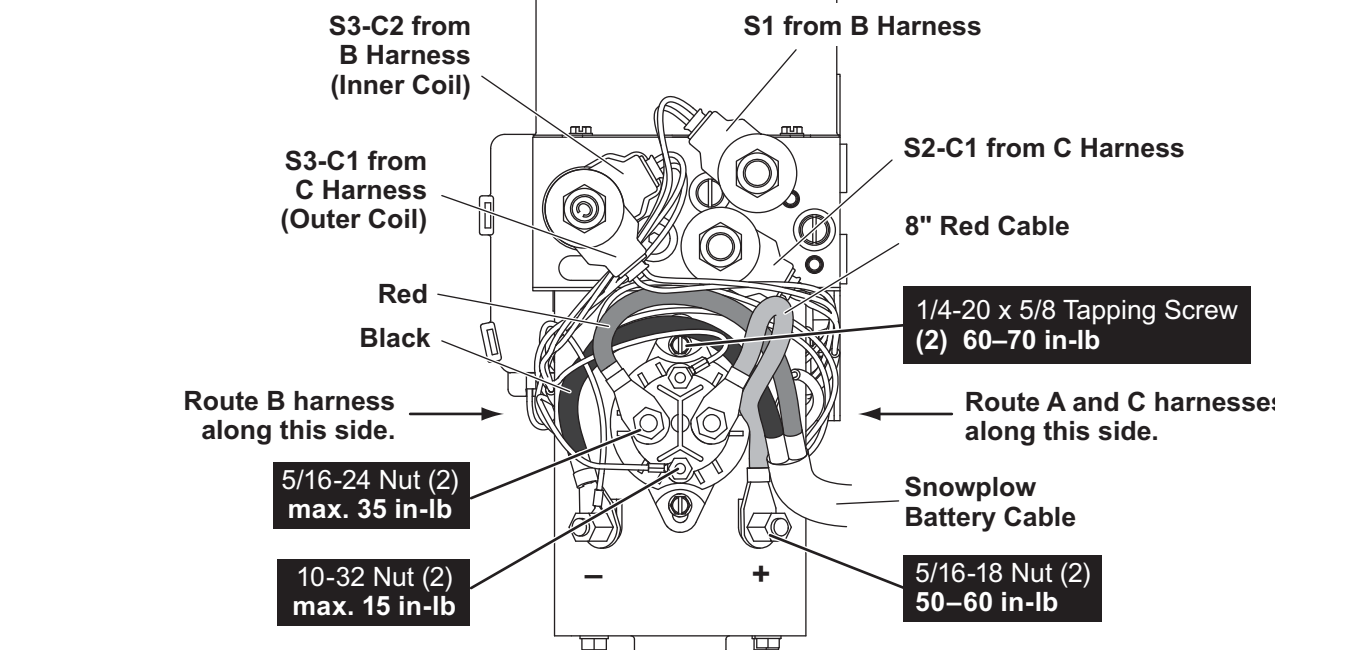
Electrical Assembly

Install coils with printing facing out.

Apply dielectric grease to all spade and ring terminals.

Torque Specifications

All Solenoid Valves	19–21 ft-lb
All Solenoid Coil Nuts	4–5 ft-lb
Motor Relay Terminals	
Small	10–15 in-lb
Large	25–35 in-lb
Motor Terminals	50–60 in-lb



HYDRAULIC UNIT – AUTO-POSITIONING WING BLADE

Torque Chart

Hydraulic Unit Torque Chart		
Location	Fastener Size	Torque
Pump Cap Screws	5/16-18 x 2-1/4	150–160 in-lb
Motor Terminals (+ and –)	5/16-18 Nut	50–60 in-lb
Motor to Manifold Cap Screws	1/4-20 x 6-1/4	55–65 in-lb*
Reservoir Screws	#10-24 x 5/16	30–35 in-lb*
Solenoid Valves	7/8 Hex Head	19–21 ft-lb
Coil Nuts	3/4 Hex-Head Jam Nut	40–60 in-lb
Cover Screws	1/4-20 x 1/2 Shoulder Screw	60–80 in-lb
SAE O-Ring Plugs	1/8 or 5/32 Internal Hex	10–13 ft-lb
Hydraulic Unit Mount Bolts	3/8-16 x 1	25–33 ft-lb
Counterbalance Valves	1 Hex Head	23–25 ft-lb
Motor Relay Small Terminals	10-32 Nut	15 in-lb max
Motor Relay Large Terminals	5/16-24 Nut	35 in-lb max
Motor Relay Mount Screws	1/4-20 x 1/4	75–85 in-lb
Plow Module Mount Screws	1/4-20 x 5/8	60–70 in-lb

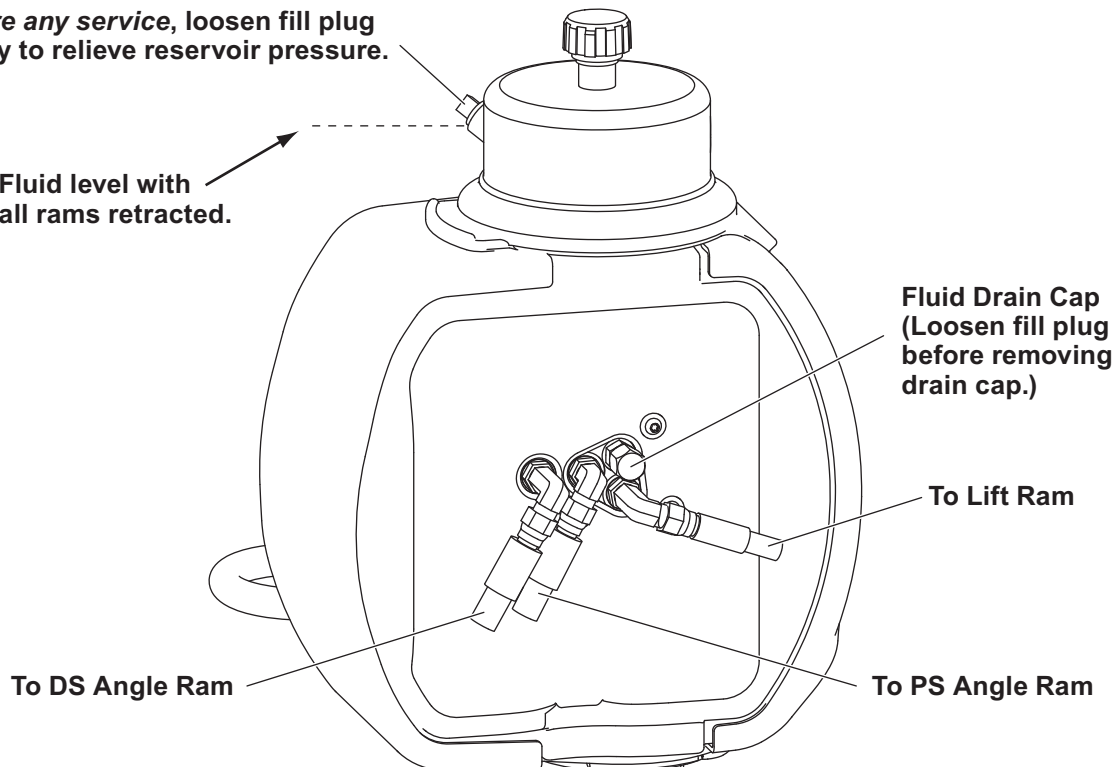
* Torque with low-strength threadlocker.

Hydraulic Fluid (Drain and Fill), Fittings and Hoses

NOTE: For proper reassembly, carefully note hose routing and the position of any protective hose wraps before removing hoses and fittings. For complete hydraulic fluid level/change or hose/fitting instructions, see the Maintenance section of your Owner's Manual.

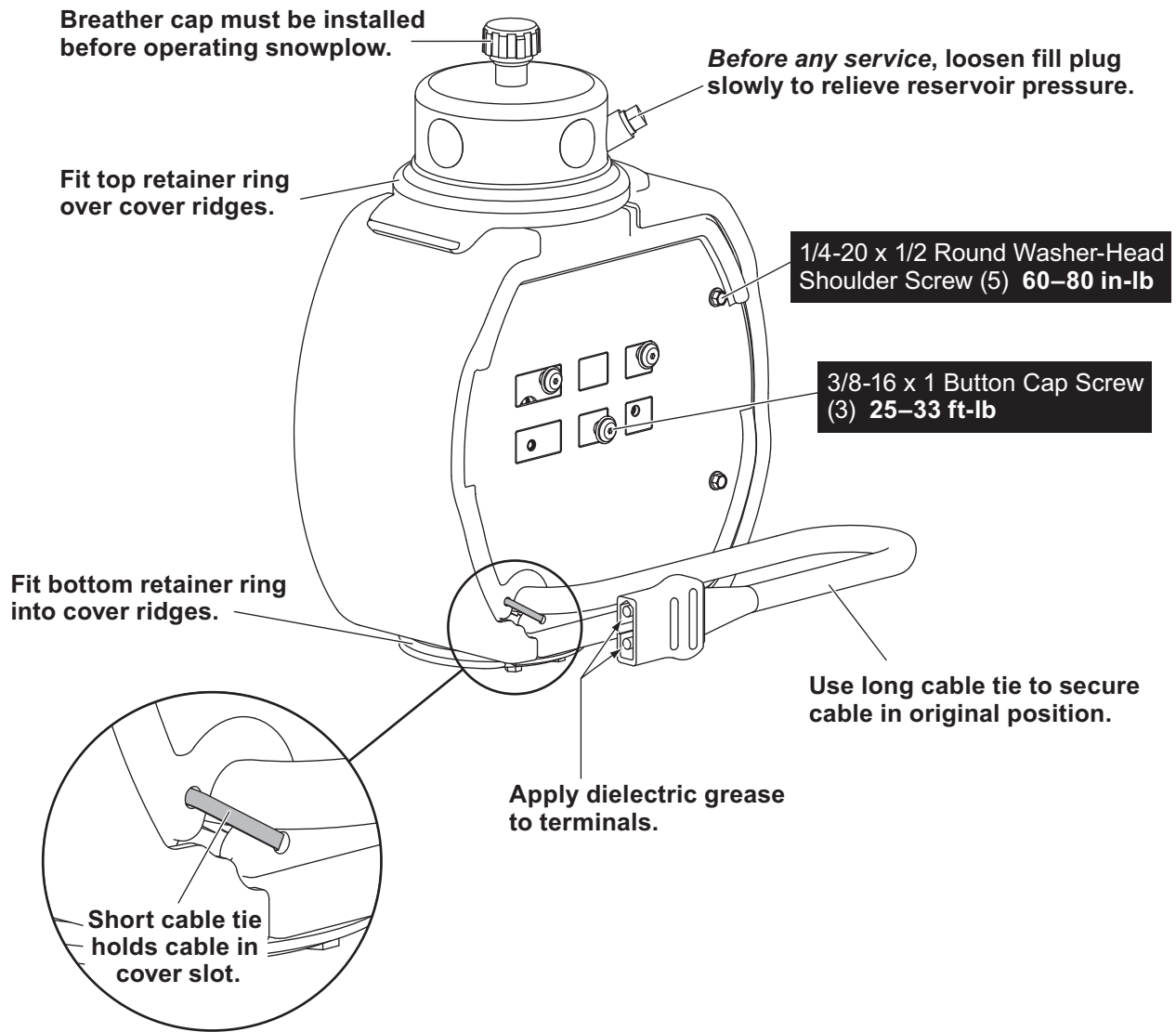
Before any service, loosen fill plug slowly to relieve reservoir pressure.

**Fluid level with
all rams retracted.**



HYDRAULIC UNIT – AUTO-POSITIONING WING BLADE

Cover and Final Assembly



The company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. This equipment manufacturer or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. The company offers a limited warranty for all snowplows and accessories. See separately printed page for this important information.

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