

PRE-SEASON & POST-SEASON MAINTENANCE

The HomePlow recommends this maintenance information for regular service. Sustained heavy operation may call for more frequent service. Snow plowing subjects a vehicle to exceptionally rugged use. As a result, it is very important to inspect and maintain the snow plow and vehicle up to maximum operating conditions. **Inspection should be made of both the vehicle and snow plow prior to the plowing season and after each use.**

PRE-SEASON MAINTENANCE Scheduled vehicle maintenance should be performed as recommended by the manufacturer.

Don't forget that in addition to keeping equipment in order:

1. Keep windshield wipers, heaters and lights working.
2. Use emergency flasher lights for increased visibility and safety.
3. Equip vehicles with chains where necessary.

VEHICLE ELECTRICAL SYSTEM For maximum efficiency, the vehicle supporting the snow plow must be properly serviced. The system should consist of at least a 70 amp./hr. battery and a 60 amp alternator. Be sure to check regularly:

1. Battery terminals to assure they're clean and free of corrosion.
2. Electrical connections, to assure they're tight and corrosion free.
3. Battery must be in top operating condition.
4. Alternator and regulator, to assure maximum electrical output.

Check the Diagnosis chart Pre/Post Season Maintenance for advice on maintaining the unit.

1. ALWAYS LOWER MOLDBOARD TO THE GROUND WHEN SNOW PLOW IS BEING SERVICED OR WHEN VEHICLE IS NOT IN USE.

2. Check and maintain hydraulic fluid reservoir level to Full. Oil level should be checked with lift ram down or retracted position.
3. Check entire hydraulic system for leaks. A significant drop in hydraulic fluid level is evidence of a leak which must be corrected to prevent serious damage.
4. Before and after each season, Grease all pins and lubricate all pivot points with chassis lube.

5. CUTTING EDGE – Replace the cutting edge as soon as it is 3-1/2" (5" is new) Tall. This will prevent permanent damage to the moldboard (fig. 48).

6. ADJUSTING TRIP SPRING TENSION – Tighten top locknut 4 turns beyond the point when spring coils begin to separate. Tighten bottom locknut to hold eye bolt in position (fig. 49).

7. MOUNTING BOLTS – Retighten all mounting bolts after first snow plowing session and at regular intervals through the season.

8. SNO-FLO® POWDER COATING, both black and yellow, should be checked at the beginning and end of each season for any signs of rust. If any exists, use Sno-Flo® powder coat touch-up available in spray cans.

NOTE: PROTECTION AGAINST RUST AND CORROSION When the power unit is not used for extended periods, **protect the chromed lift rod by fully extending and coating it with chassis lubricant.** Coat the exposed portions of the power angling cylinder rods with chassis lubricant to protect against corrosion.

POST-SEASON SUMMER MAINTENANCE (HYDRAULIC)

1. Draining & Replacing The HomePlow Meyer M-1 Hydraulic Fluid

Drain the fluid by un-bolting the hydraulic unit from the Lift Frame and removing the Reservoir Breather. Turn the hydraulic unit upside down and drain the fluid from the reservoir. To drain the fluid from the power angling cylinders (if equipped), disconnect the fittings and completely retract the cylinder rods and purge cylinder and hose of all hydraulic fluid. The complete system should then be flushed out with Meyer M-2 Flushing Fluid before adding new Meyer Hydraulic Fluid. To flush the unit, re-install the hydraulic unit to the Lift Frame and hose to the angle cylinder (if equipped). Add 1 quart of M-2 Flushing Fluid to the reservoir and replace the Reservoir Breather. Cycle the unit Up, Down, Left and Right 5 times in each direction. Then drain the hydraulic unit as before and re-fill with Meyer M-1 Fluid. Check fluid level after cycling plow and top off if necessary.

2. Meyer M-1 Hydraulic Fluid is specially formulated with an anti-ice additive for almost constant viscosity in subzero temperatures. Because it is free-flowing in extreme cold, the unit's performance and efficiency are not affected by winter weather. It is effective for a maximum of one year. Always carry an extra quart of **Meyer M-1 Hydraulic Fluid**. Use of any inferior fluids will void The HomePlow warranty.

SNOW PLOW STORAGE

1. When snow plow is disconnected, **disconnect lift chain from lift arm and extend lift cylinder to end of stroke and coat chrome rod with light grease.** This fills the cylinder with hydraulic fluid and protects the interior and exterior from rust and corrosion.

2. Whenever Moldboard is disconnected, coat the exposed portions of the power angling cylinder chrome rod (if equipped) with light grease to protect it from corrosion.

3. Coat pivot pin and other wear points with chassis lubricant. Be sure to grease all grease holes.

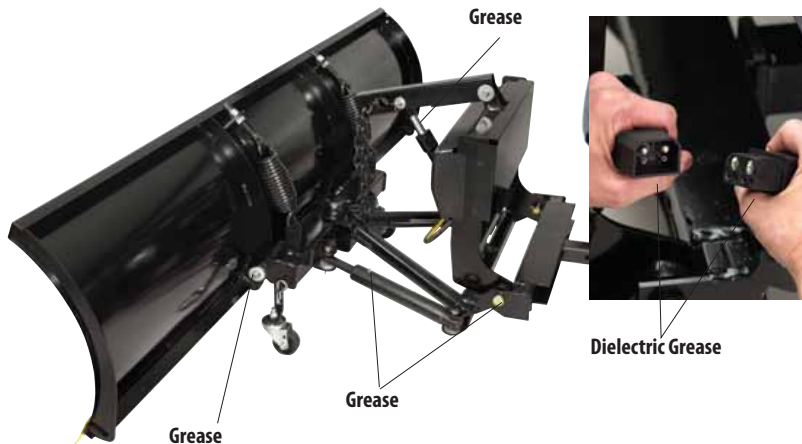
4. Unplug electrical connection. Coat connection with a dielectric compound to prevent corrosion and plug into their corresponding weather plug.



(Fig. 48)



(Fig. 49)



Meyer M1 Hydraulic oil and Flush is scientifically formulated to withstand extreme winter temps up to -40F.



Protect your electrical system with Meyer winter formula dielectric grease.



Yellow and black paint is formulated to withstand harsh temperatures and the winter environment.



Meyer Cool Lube is specifically formulated to provide better lubrication in harsh conditions, perfect for higher speeds and lower temperatures