



WESTERN PRODUCTS
 7777 NORTH 73RD STREET
 P.O. BOX 23045
 MILWAUKEE, WISCONSIN 53223



A DIVISION OF DOUGLAS DYNAMICS, INC.

TRI-PLOW
OWNERS MANUAL
SUPPLEMENT

This supplement provides additional important information not included in OWNER'S MANUAL OM880. All **WARNINGS** and **CAUTIONS** in OM880 apply to this TRI-PLOW Supplement.

BLADE POSITIONS

The TRI-PLOW can be used in three basic plowing positions:

1. "V" blade - move both wings IN towards the vehicle for initial break through plowing, sidewalk plowing and general widening of banks.
2. Straight blade - move one or both wings to form a straight blade that can be angled either direction for wider path plowing.
3. Scoop blade - move both wings OUT away from the vehicle to form a scoop to carry snow with minimum spill.

During transport, the wings should be positioned to form a straight blade for best road clearance. The scoop and "V" positions are **NOT RECOMMENDED** for transport.

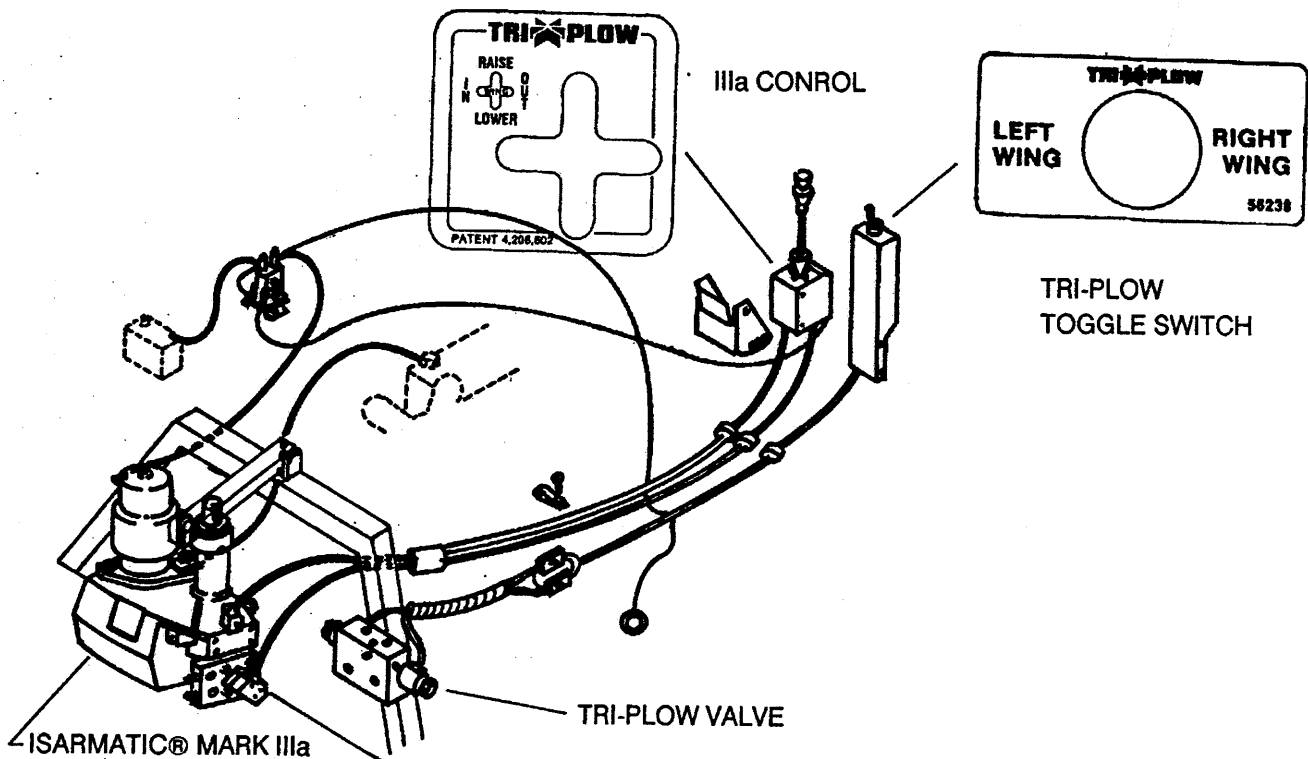
OPERATION

Smoothly and without hesitation, move the IIIa Control lever into the desired position. Always return lever to the neutral position when not in operation, use lock spool during transport.

RAISE/LOWER: Move IIIa Control lever UP (forward) to raise the blade. Move lever DOWN (back) to lower/float the blade.

LEFT WING: Place TRI-PLOW toggle switch to the LEFT WING position. Moving the IIIa Control lever to the right moves the wing OUT (away from the vehicle). Moving lever to the left brings the wing IN (towards the vehicle).

RIGHT WING: Place TRI-PLOW toggle switch to the RIGHT WING position. Moving the IIIa Control lever to the right moves the wing OUT (away from the vehicle). Moving the lever to the left brings the wing IN (towards the vehicle).



OIL LEVEL CHECK

When checking Isarmatic® Mark IIIa oil level, both wings should be in the "V" (wings IN toward the vehicle) position and the IIIa Control in the Lower/Float position. Do not collapse lift ram completely. Fill reservoir through fill plug tee only.

TRI-PLOW STORAGE

When parking the TRI-PLOW for extended periods of time, the wings should be in the "V" position (wings IN toward the vehicle) so that the positioning cylinder rods are retracted. This will guard against premature rusting or pitting of cylinder rods. Collapse lift ram when plow is disconnected from vehicle. Grease hinge pin annually.

HYDRAULIC POWER

Standard Isarmatic® Mark IIIa hydraulic system should produce a two (2) second lift, a three (3) second wing IN time and a five (5) second wing OUT time. (Heavy Duty Isarmatic® Mark IIIa lift time is four (4) seconds with wing IN/OUT times remaining the same. Refer to OM880 Owner's Manual troubleshooting section if assistance is required.

BLADE PROTECTION

The TRI-PLOW has two forms of obstacle protection:

Trip springs - Three trip springs between the A-Frame and Mast assemblies protect against low obstacles when the blade is in the straight or "V" position only. In other positions only limited trip is possible.

Cushion valves - Right and left wing cushion valves protect against high impact forces when the wings are in forward angled positions. The cushion valves do not work with the wings in the "V" position.

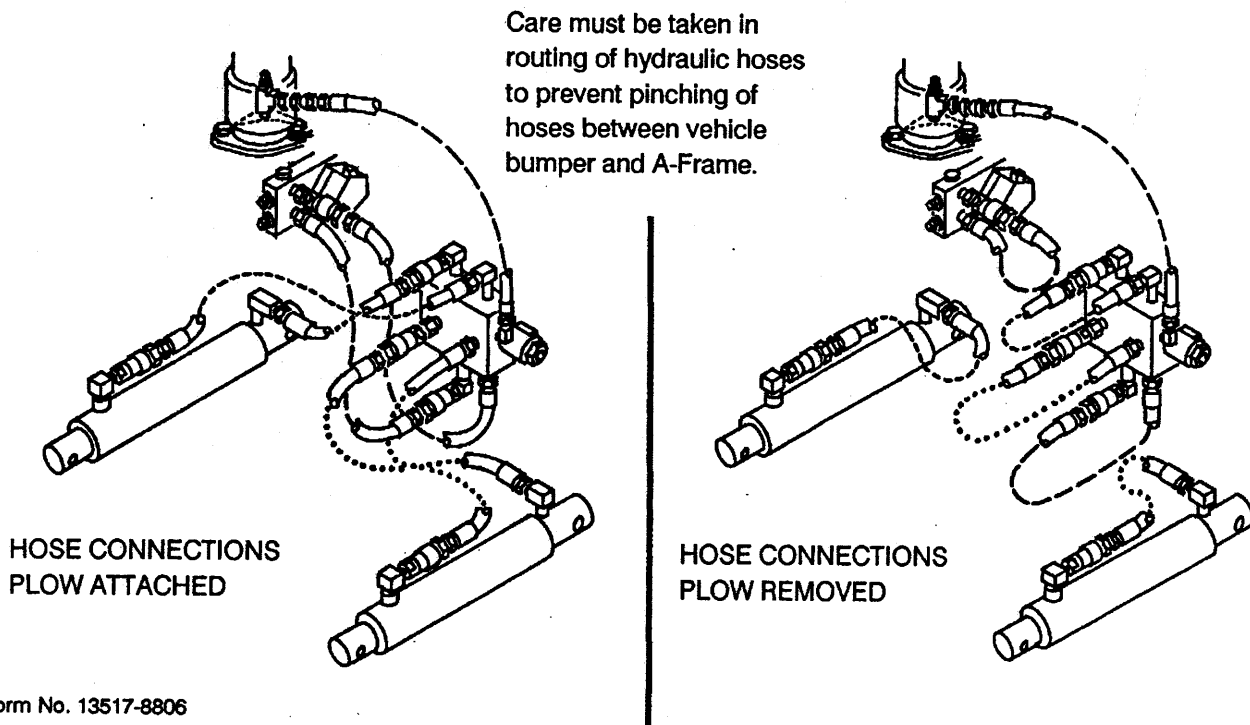
TIPS ON TRI-PLOW USE

Deep snow conditions - place wings into the "V" position, raise blade 3 to 4 inches for the initial pass. Then continue with normal plowing procedures.

Large parking lots - make multiple passes with wings in the "V" position to create windrows. Then place wings in the scoop position and carry snow to the end of lot or lane.

Driveways and sidewalks - make first pass with wings in the "V" position. Widen as required using normal plowing techniques.

Stacking snow - wings can be placed into the scoop or straight blade position, as the stacking location is approached, begin raising the TRI-PLOW to start the ride-up onto the stack.



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