

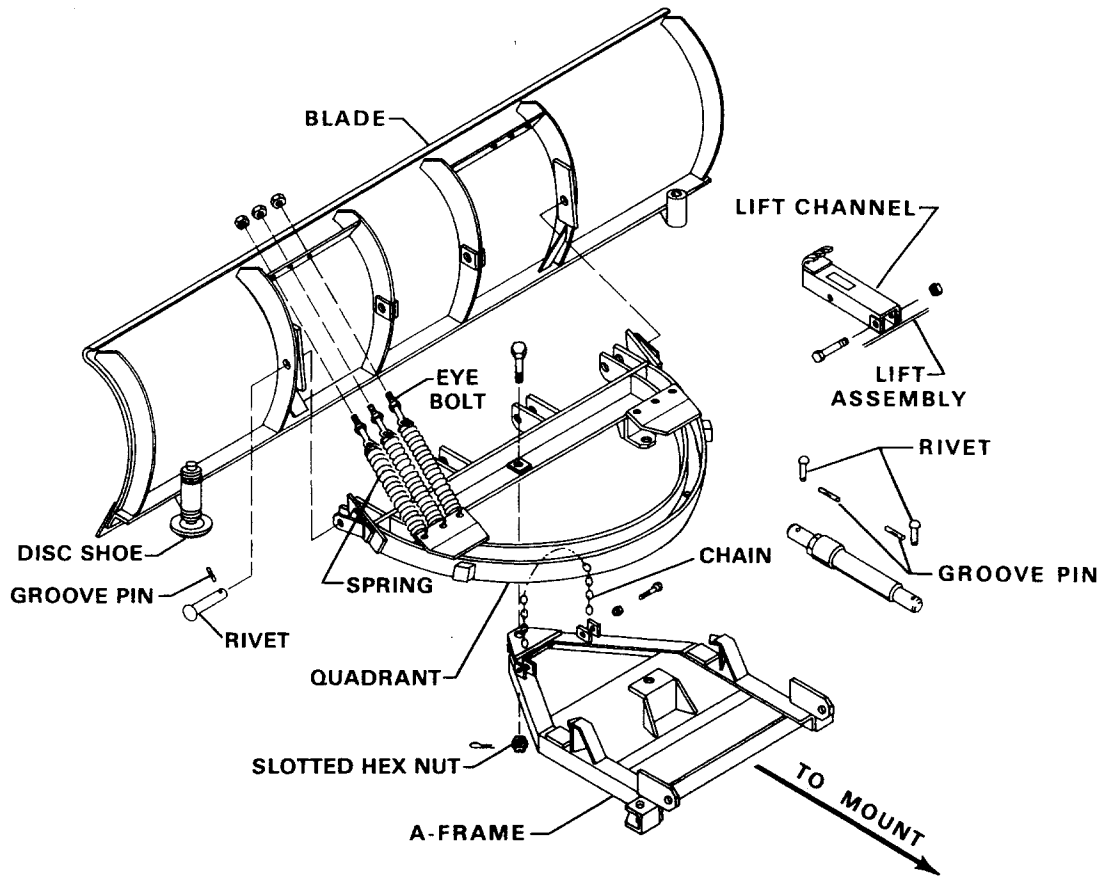


**WESTERN PRODUCTS**  
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MILWAUKEE, WISCONSIN 53223

**DD** A DIVISION OF DOUGLAS DYNAMICS, INC.

Heavyweight  
Blade, A-Frame,  
Quadrant & Lift Channel

## INSTALLATION ILLUSTRATION & INSTRUCTIONS



### QUADRANT TO BLADE

Assemble the quadrant to the blade with the rivets and groove pins. The center two pair of lugs on the quadrant straddle the center two ribs on the blade. The outboard lugs fit outside the other two ribs which automatically brings the blade-trip limit stops into alignment.

### SPRINGS AND EYEBOLTS

Run a nut all the way down on each of the eyebolts. Hook the springs to the quadrant brackets, and hook the eyebolts to the springs and through the blade brackets. Tighten the eyebolts with nuts placed above the brackets until the springs just begin to separate. Lock in place with the nuts below the bracket.

### A-FRAME TO QUADRANT

Assemble the A-Frame to the Quadrant, positioning the straight quadrant angle **on top** of the nose plate of the A-Frame, and the formed quadrant angle into the three bars welded to the rear of the A-Frame plate. Attach placing drilled bolt with head on top and slotted hex nut on the bottom. Tighten just enough to permit free pivotal motion and secure using cotter pin.

### HYDRA-TURN® CYLINDER ATTACHMENT

Attach Hydra-Turn® cylinders to the brackets on either side of A-Frame and quadrant. Attach ram end of cylinder to quadrant and base end of cylinder to A-Frame with furnished rivets **inserted from top down** and secured with **groove pins**. The threaded cylinder ports in the **base end should be up**.

### A-FRAME TO MOUNT

Couple the A-Frame to the mount (spreader) lugs with the rivets and hairpin cotters.

### LIFT CHANNEL

Assemble the lift channel to the upper U-bracket on the lift assembly with the 3/4" x 4-1/2" bolt and locknut. Tighten to permit free pivotal motion. Complete installation as outlined in Isarmatic® Instruction.

### CHAIN TO LIFT CHANNEL

Place the chain between each pair of tabs welded to the top front of the A-Frame. Fasten using 3/8" x 3" bolts and locknuts. With hydraulic cylinder collapsed hook chain to lift channel keeping the chain tight. After it is hooked into the lift channel, it will have the right amount of slack chain for blade "float".

Raise, lower and angle plow several times, check oil level and refill to top with automatic transmission fluid.