

XP Plow Blade, Quadrant & T-frame Installation

Arctic Equipment Manufacturing Limited
Installation of XP plow blade assembly, quadrant & T-frame

52695-M R02
August 12, 2002

Installation Instructions

1. Lay blade face down on the floor. Attach quadrant (14) to blade by inserting rivets (8) through the holes in the quadrant lugs and blade ribs. Secure the rivets with the cotter pins.
2. Take an eye bolt (7) and screw one nut all the way down the thread. Attach spring (6) to the blade and the eye bolt. Lift the quadrant and T-frame (power angling assembly) assembly and insert the eye bolt through the hole on the corresponding hole in the quadrant. Secure the eye bolt with another nut. This will hold the quadrant in an upward position, and ease installation of the remaining spring.
3. Tighten the eye bolt lower nut until the spring coils just break loose from each other. Secure eye bolts in position by tightening the upper nut against the quadrant plate.
4. Grease needs to be applied in the bushing through the grease fitting.
5. Lift chain (9) is attached by inserting a ½" bolt (10) through the last link and in the lug on the T-frame. Tighten a ½" nut (12) and lockwasher (11) firmly from the face side of the lifting bar.

To attach snowplow to vehicle mount, proceed as follows:

1. Position the vehicle such that the T-frame lugs and vehicle mount are in vertical alignment.
2. Hook the chain into the lift channel slot.
3. Actuate lift cylinder slowly. Blade will remain on the ground, but the T-frame will begin to rise. Continue until the T-frame lug holes align with the holes on the vehicle lift frame.
4. Insert the long spreader pin through the holes to attach the T-frame to the lift frame. Secure attachment by inserting cotter pin into the long spreader pin.

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5. With the control switch in the DOWN position, push the lift channel downward as far as possible and adjust the chain so there are two links of slack.

XP Plow Blade Assembly, Power Angling Kit & Hardware Kit						
Item	Part Number	Description	52695-M Hardware kit	52696-M Power Angling Kit	52626-78-M Blade Ass'y 78"	52626-84-M Blade Ass'y 84"
1	52626-78-M	Blade Assembly 78" (includes poly skin, cutting edge & bolts)			1	
	52626-84-M	Blade Assembly 84" (includes poly skin, cutting edge & bolts)				1
2	52634-B	Cutting Edge 78"			1	
	52635-B	Cutting Edge 84"				1
3	52637-78-B	Poly Skin 78"			1	
	52637-84-B	Poly Skin 84"				1
4	52593-M	Carriage Bolt Assembly (½" x 1 ½" & nut)			8	
5	52288-01-M	Carriage Bolt Assembly (5/16" x 1 ½" & nut)			16	
6	52663-N	Spring	2			
7	50191-M	Eye bolt Assembly (eye bolt 5/8" & 2 nuts)	2			

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8	50232-M	Rivet Assembly (rivet 3/4" x 3" & cotter pin)	2			
9	55018-02-M	Chain	1			
10	HH-00972-090	Bolt, ½" x 1 ½ Hex Head Cap Screw	1			
11	HH-00457-001	Lockwasher, ½"	1			
12	HH-00460-002	Hex Nut, ½"	1			
13	52647-D	T-frame		1		
14	52654-B	Quadrant		1		
15	CS150-10.00-012	Cylinder		2		
16	HH-00460-007	3/4" UNF Nut		4		
17	HH-00457-008	3/4" Lockwasher		4		
18	HH-00972-156	3/4" x 4 1/2 UNF Hex Head Cap Screw		2		
19	HH-00972-192	1" x 5 1/2" UNF Hex Head Cap Screw		1		
20	HH-00540-009	1" Nut with Nylon Insert		1		
21	52712-N	Spacer for X cylinder		2		
22	HH-00972-153	3/4" x 3 1/2 UNF Hex Head Cap Screw		2		

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23	51830-B	Pin assembly	2			

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