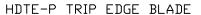
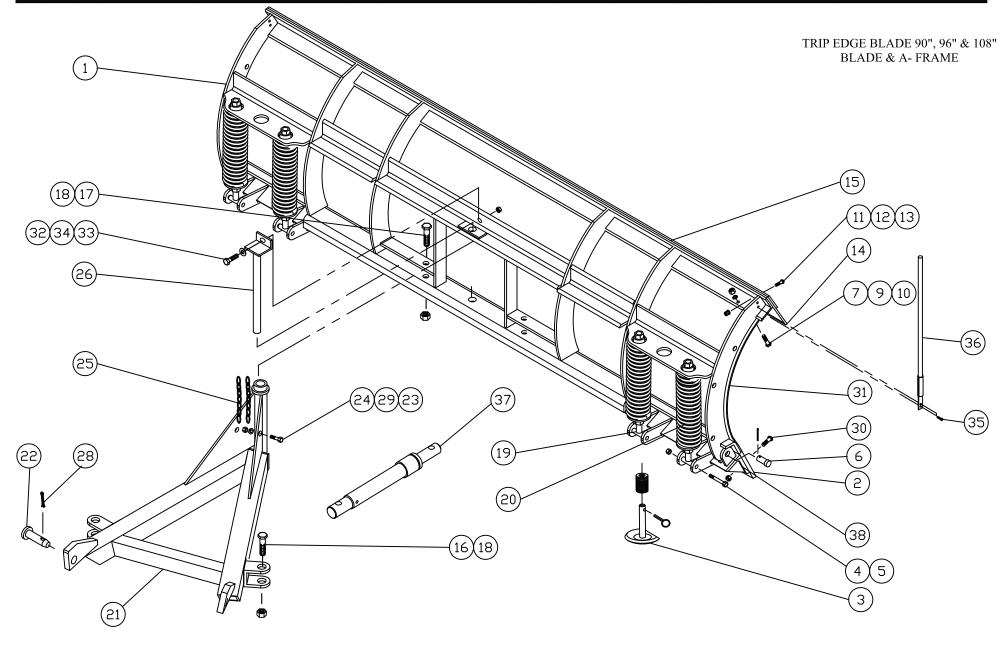


## **ARCTIC HDTE-P**

Arctic Heavy Duty Trip Edge Blade 90", 96" & 108"











Do not exceed GVWR or GAWR, including blade and ballast. The rating label is found on the driver side vehicle door corners.

Lower the blade when the vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this can result in serious personal injury.

Servicing the trip springs without special tools and knowledge could result in personal injury. See Arctic authorized dealer for service.

Inspect snowplow components and bolts for wear and damage when mounting or removing snowplow and before traveling.

Keep hands and feet clear of the blade, A-frame and cylinders when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury. Never use a finger to check an alignment. Moving or falling assemblies could crush your finger.

Do not stand between the vehicle and the blade or within 10' of a moving blade. A moving or falling blade could cause personal injury.

To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use.



Item	Description	Part Number	Quantity
1	52438-03-D-GA	90" Trip Edge Frame Galvanized	1
	52438-04-D-GA	96" Trip Edge Frame Galvanized	
	52438-06-D-GA	108" Trip Edge Frame Galvanized	
2	52233-M	Cutting Edge 90", Top Punch	1
_	52234-M	Cutting Edge 96", Top Punch	
	52236-M	Cutting Edge 108", Top Punch	
	50035-N	Cutting Edge 90", Center Punch	
	50036-N	Cutting Edge 96", Center Punch	
	51161-C	Cutting Edge 108", Center Punch	
*3	53322-M-GA	Trip Edge Shoe Assembly Galvanized	2
**3a	53322-A-GA	Trip Edge Shoe Galvanized	1
3b	55017-N	1" Adjustment Washers	15
3c	50040-A	Quick Release Pin	1
4	HH-00540-004	½" Nylon Nut	4
5	HH-00972-100	½" x 4" Bolt	4
6	52442-M	3/4 x 2-1/8" Rivet c/w Cotter Pin	6
7	HH-00971-136	½" x 1-1/2" Carriage Bolt (for 90", 96")	8
	HH-00971-136	½" x 1-1/2" Carriage Bolt (for 108")	10
9	HH-00457-001	½" Lock Washer (for 90", 96")	8
	HH-00457-001	½" Lock Washer (for 108")	10
10	HH-00294-005	½" NC Nut (for 90", 96")	8
	HH-00294-005	½" NC Nut (for 108")	10
***11	HH-00971-044	5/16" x1-1/4"Carriage Bolt (for 90", 96")	8
	HH-00971-044	5/16" x1-1/4"Carriage Bolt (for 108")	10
***12	HH-00457-007	5/16" Lock Washer (for 90", 96")	8
	HH-00457-007	5/16" Lock Washer (for 108")	10
***13	HH-00294-002	5/16" NC Nut (for 90", 96")	8
	HH-00294-002	5/16" NC Nut (for 108")	10
14	52245-M	90" Poly Deflector	1
	52246-M	96" Poly Deflector	
	52280-M	108" Poly Deflector	
15	52239-M-GA	90" Strap Galvanized	1
	52240-M-GA	96" Strap Galvanized	
	52279-M-GA	108" Strap Galvanized	
16	HH-00972-152	3/4" x 3-1/4" Bolt	2
17	HH-00972-153	3/4" x 3-1/2" Bolt	2
18	HH-00973-007	3/4" Hex Nut Nylon Insert	4
19	52440-C	Spring Tube Assembly (does not include spring)	4
20	52441-M	Trip Edge Spring	4
20	32771 IVI	111p 2080 × p11118	



Hea		Assembly 90" (52482-M-GA), 96" (52483-M-GA) a I-GA), A-frame and Hardware Galvanized	nd 108"
Item	Description	Part Number	Quantity
22	53325-A	Spreader Pin	2
23	HH-00972-090	½" x 1-1/2" Bolt	2
24	HH-00460-002	½" Nut	2
25	55018-M	Chain (Hi-Boy)	2
26	52488-B	Pivot Shaft	1
28	HH-00020-164	Cotter Pin	2
29	HH-00457-001	½" Lock Washer	2
30	52593-8-M	½" x 1-3/4" Carriage Bolt Assembly(for 90"&96")	package
			of 8
	52593-10-M	½" x 1-3/4" Carriage Bolt Assembly (for 108")	package
			of 10
31	52228-02-D	Blade Skin - 90" (orange)	1
	52228-02-D-PLAT	Blade Skin - 90" (gray)	
	52228-03-D	Blade Skin - 96" (orange)	
	52228-03-D-PLAT	Blade Skin - 96" (gray)	
	52277-D	Blade Skin - 108" (orange)	
	52277-D-PLAT	Blade Skin - 108" (gray)	
32	HH-00972-090	½" x 1-1/2" Bolt	1
33	HH-00540-004	½" Lock Nut	1
34	HH-00341-006	½" Flat washer	1
35	GB001	Guide Bolt Ass'y	4
36	50999-B	Blade Guide	2
37	CS150-10.00-NRS	1 ½ x 10 angling cylinder	2
38	52443-03-D-GA	Bottom Angle 90"	1
	52443-04-D-GA	Bottom Angle 96"	1
	52443-06-D-GA	Bottom Angle 108"	1

<sup>\*</sup> Item #3 was 52920-C

Arctic Equipment Manufacturing Corporation 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.

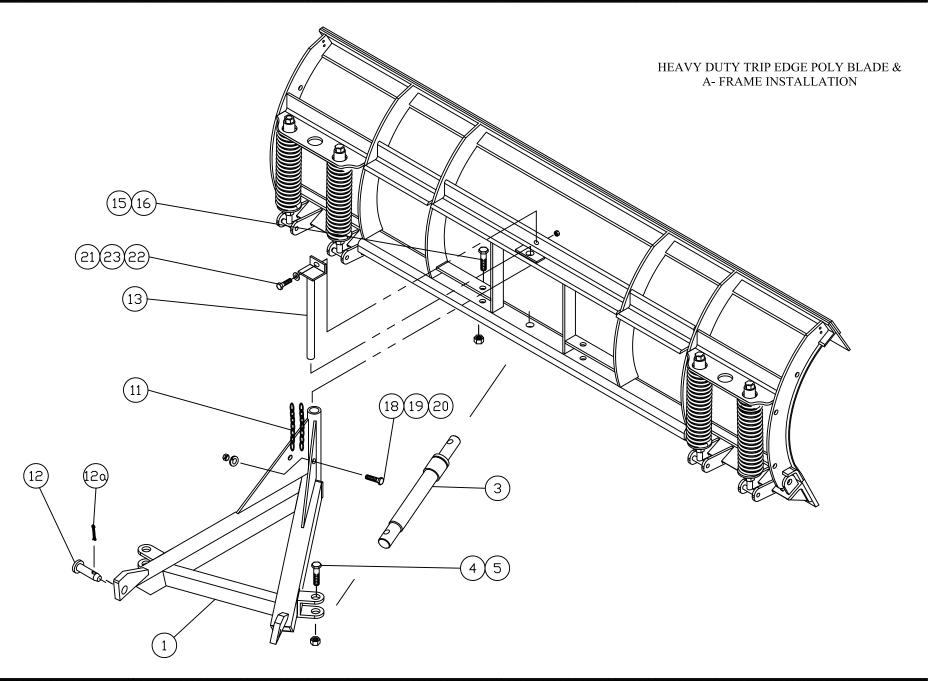
<sup>\*\*</sup> Item 3a was 52921-C

<sup>\*\*\*</sup> Items part of 52288-M bolt bag



## Power Angling 52494-M-GA for Trip Edge Blade









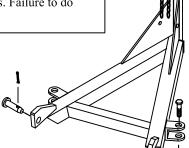
Warning

<u>Do not</u> exceed GVWR or GAWR, including blade and ballast. The rating label is found on the driver side vehicle door corners.



Warning

Lower the blade when the vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this can result in serious personal injury.



**▲** Wa

Warning

Servicing the trip springs without special tools and knowledge could result in personal injury. See Arctic authorized dealer for service.



Warning

Inspect snowplow components and bolts for wear and damage when mounting or removing snowplow and before traveling.



Warning

Keep hands and feet clear of the blade, A-frame and cylinders when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury. Never use a finger to check an alignment. Moving or falling assemblies could crush your finger.



Warning

Do not stand between the vehicle and the blade or within 10' of a moving blade. A moving or falling blade could cause personal injury.





## Marning

Do not exceed GVWR or GAWR, including blade and ballast. The rating label is found on the driver side vehicle door corners.

Lower the blade when the vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this can result in serious personal injury.

Servicing the trip springs without special tools and knowledge could result in personal injury. See Arctic authorized dealer for service.

Inspect snowplow components and bolts for wear and damage when mounting or removing snowplow and before traveling.

Keep hands and feet clear of the blade, A-frame and cylinders when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury. Never use a finger to check an alignment. Moving or falling assemblies could crush your finger.

Do not stand between the vehicle and the blade or within 10' of a moving blade. A moving or falling blade could cause personal injury.

To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use.



Trip Edge Power Angling Assembly 52494-M-GA Galvanized						
Item	Part Number	Description	Quantity			
1	52463-D-GA	Trip Edge A-frame	1			
2	HH-00232-001	1/8 Grease Fitting	1			
3	CS150-10.00-NRS	1.1/2"x10" Angling Cylinder	2			
4	HH-00972-153	3/4" -16x3.1/4 Hex Head Cap Screw	2			
5	HH-00973-007	3/4" Hex Nut Nylon Insert	2			
6	55018-M	Chain	2			
7	53325-A	Spreader Pin	2			
8	HH-00020-164	Cotter pin	2			
9	52488-B-GA	Pivot Shaft Trip Edge Galvanized	1			
10	HH-00972-153	3/4-16x3.1/2 Hex Head Cap Screw	2			
11	HH-00973-007	3/4" Hex Nut Nylon Insert	2			
12	HH-00972-090	1/2-20x1.1/2 Hex Head Cap Screw	2			
13	HH-00460-002	1/2-20 Hex Nut	2			
14	HH-00457-001	1/2 Lock washer	2			
15	HH-00540-004	½" Lock Nut	1			
16	HH-00341-006	½" Flat washer	1			

## **Installation Instructions**

- 1. Lay blade face down on the floor. Attach A-frame (1) to blade by inserting pivot shaft (9) through the hole in the A frame tube and blade cross members. Secure the pivot shaft (9) with the ½"bolt.
- 2. <u>Apply grease</u> at the A frame tube grease fitting. Grease should be reapplied periodically.
- 3. Secure cylinders (3) with bolts to the blade using 3/4" bolt (4), and 3/4" hug lock nut (5).
  - To attach snowplow to vehicle mount, proceed as follows:
- 1. Position the vehicle such that the A-frame (1) lugs and vehicle mount are in vertical alignment.
- 2. Hook the chains (11) into the lift channel slots.
- 3. Actuate lift cylinder slowly. Blade will remain on the ground, but the A-frame (1) will begin to rise. Continue until the A-frame (1) lug holes align with the holes on the vehicle mount.
- 4. Insert the spreader pins (7) through the holes to attach the A-frame (1) to the vehicle