

Fisher Engineering

P.O. Box 529, Rockland, ME 04841

TOP ANCHOR REPAIR PROCEDURES

December 29, 2000

Lit. No. 26624

REPAIR PARTS AND RATES

| Supplied Parts | | |
|----------------|---------------------------|----------|
| Part No. | Description | Quantity |
| 26491 | Gusset | 4 or 6* |
| 20292 | FISHER® powder coat paint | 1 |
| 21452 | Spring assembly | 4 or 6* |
| 20181 | 1/4" x 1-1/4" Pin | 4 or 6* |

*4 for 9' MC & EZ-V® blades, 6 for 10' MC blades

| Additional Parts Supplied if Necessary | | |
|--|----------------------------|----------|
| Part No. | Description | Quantity |
| 20043 | Spring Removal Tool | 1 |
| 20238 | FISHER splatter decal | 1 |
| 21793 | Warning Label decal | 1 |
| 8248* or 21763** | Mounting Instruction decal | 1 |

*for Minute Mount® snowplows

** for EZ-V® snowplows

Parts will be furnished at no charge. Flat rate times:

| | |
|-------------------|---------|
| 10' MC Blade | 6 hours |
| 9' MC Blade | 5 hours |
| 8-1/2' EZ-V Blade | 5 hours |

REPAIR INSTRUCTIONS

1. To begin repair:

9' and 10' MC Blades: Remove angle frame guide (8 fasteners). Place blocking under angle frame. Unbolt lift chain. Remove angle cylinder pins attached to blade. Remove pivot pin.

8-1/2' EZ-V snowplow: Place blocking under A-frame. Unbolt lift chain. Remove all angle cylinder pins. Remove push assembly pins from lower gear. Store angle cylinder on headgear.

2. Back truck, with headgear attached, away from blade.

3. Place snowplow blade on its face, onto wooden blocks. Remove trip springs following directions on back side of this page.

4. Straighten bent top anchor. Center gussets on notch of top anchor. Mark position for new gussets.

⚠ CAUTION

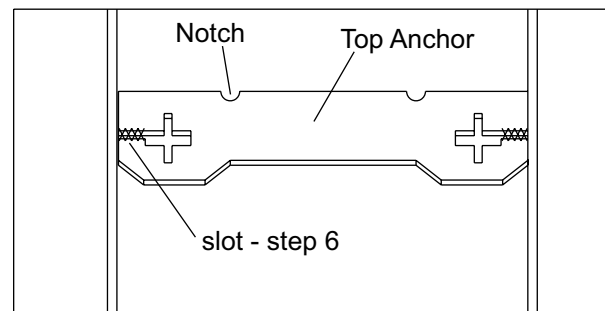
Servicing the trip springs without special tools and knowledge could result in personal injury. See your authorized outlet for service.

5. Grind powder off the back of the moldboard and the bottom of the top anchor where gussets and additional welds will be added.

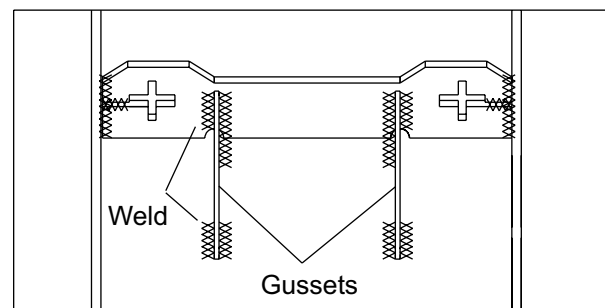
6. Weld slot in top anchors and weld gussets into place. Refer to cross-hatched weld areas in diagrams below.

7. Sand area including welds. Prime bare metal surfaces (acrylic/lacquer compatible). Repaint area with FISHER powder coat paint. Replace Warning Label, Mounting Instruction, and FISHER splatter decals if necessary. (Parts furnished at no charge.)

8. Replace spring assembly if disc is bent. Reinstall trip spring assemblies. Reinstall blade and A-frame onto common attachments.



Top View



Bottom View

TOP ANCHOR REPAIR INSTRUCTIONS

REPLACING A SPRING

1. Removal Tool - Insert the threaded rod through the hole in the channel weldment. Be sure the threaded hole in the tab on the rod is nearest to the channel.

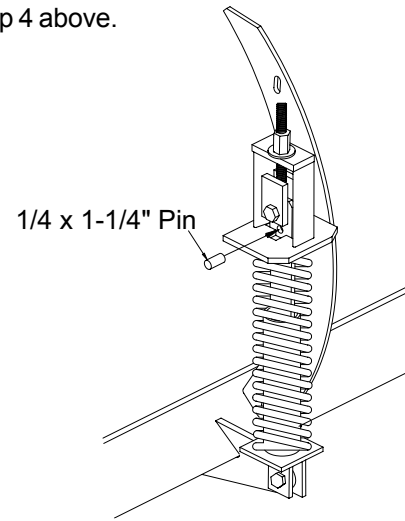
⚠ CAUTION

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

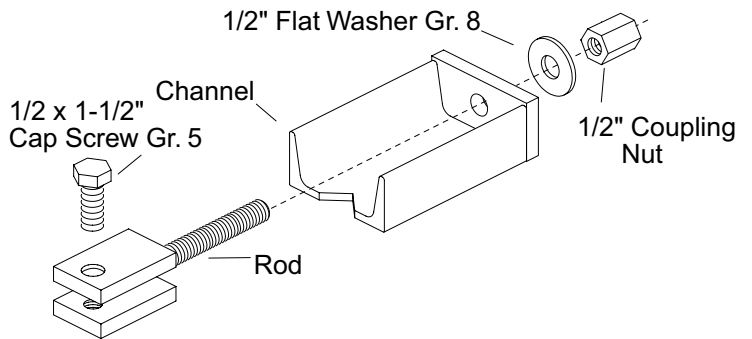
2. Place the removal tool assembly on the spring top anchor above the spring as illustrated. Be sure to place the spring bar between the tabs on the rod. Insert the 1/2 x 1-1/2" Gr. 5 cap screw through the outside tab, through the hole in the spring bar, and tighten into the threaded hole.
3. Drop the 1/2" flat washer Gr. 8 over the threaded rod and fasten the nut to the threaded rod. Tighten the nut until the spring bar is raised enough to insert the 1/4" x 1 1/4" pin through the pin hole. Center the pin within the hole.
4. Loosen the nut to lower the spring bar. Remove the spring tool assembly by removing the 1/2" cap screw.
5. Remove the spring from the blade by removing the

bolt from the bottom of the spring bar.

6. Insert the new spring with the spring bar up through the top anchor on the blade. Fasten the bottom of the spring bar to the anchor on the trip edge with the previously removed fasteners. Tighten.
7. Repeat steps 1 and 2 above.
8. Repeat step 3 above, except remove the pin from the spring bar.
9. Repeat step 4 above.



| 20043 Removable Spring Tool Parts List | | |
|--|-----|--------------------------------------|
| Part # | Qty | Description |
| 20049 | 1 | Channel Weldment |
| 20050 | 1 | Rod Weldment |
| 90210 | 1 | 1/2-13 x 1-1/2" (Nc) Gr. 5 Cap Screw |
| 98022 | 1 | 1/2" Coupling Nut |
| 90572 | 1 | 1/2" Gr. 8 Flat Washer |
| 20181 | 1 | 1/4 x 1-1/4" Pin |



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