



750J & 850J Backup Ripper Installation Instructions

These installation instructions are written for a 850J & 750J (standard track width) with a 128" outside dozer blade (Semi-U). Installation on any other crawler dozer or blade may require further modification during installation.

- 1) First, locate the center gusset on the bottom of the blade and remove one gusset on each side of the center gusset (See Figure 1).
- 2) After removing both gussets, grind the welds and excess gusset material smooth with the bottom of the blade.
- 3) Then, starting from the left (as viewed from Operator's Station), measure from the inner face on the inner ear of the lower bracket for the push beam pivot (Figure 2, Point A) toward the center of the blade 37" for the 850J or 39" for the 750J, and scribe a vertical line on the back of the blade.
- 4) Then mount the outside of left side plate on the inboard backup ripper to inside of the scribed vertical line as shown on the outboard backup ripper in Figure 2 and tack weld as needed.
- 5) Then from Point A (Figure 2) measure 8" toward the center of blade and scribe a vertical line (Figure 2, Point B).
- 6) Now mount the outside of the left side plate on the outboard ripper to the inside of the scribed vertical line as shown in Figure 2 and tack weld as needed.
- 7) Perform same process for the right side of blade, taking measurements from the right push beam bracket.
- 8) When all backup rippers are tack welded in position the shanks should be installed and checked for swing clearance when blade is in the lowered and raised position (See Figures 4).
- 9) Once proper clearance has been verified the ripper housings must be fully welded before use.
- 10) Enjoy your quality VAIL backup ripper. Please contact VAIL if you have any questions about installation or other quality products.

Thank You for purchasing a Genuine VAIL Product.

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Figure 1

**Remove This Gusset
(1st gusset to Left of center)**

**Center
Gusset on Blade**

**Remove This Gusset
(1st gusset to Right of center)**

Figure 2

**Measure from
Inner Face on Inner
Ear of the Lower
Bracket for Push
Beam Pivot**

**128" Outside Dozer Blade
(Semi-U)**

**39 inches for the 750J (to Inboard Ripper)
37 inches for the 850J (to Inboard Ripper)**

**Point
A**

8 inches

**Point
B**





Warranty/Liability For Backup Rippers

All parties involved must be fully aware:

Per the request of all O.E.M. crawler division Engineers, concerning the installation and use of backup rippers; The added stress and strain may cause damage to the blade, hydraulics, frame or other structural parts on dozer blade system. Vail Products, in no way takes responsibility or liability for the installation of backup rippers on any dozer blade. Our warranty is limited to the structural components of the backup ripper and shank.

Liability, if any, is limited to replacement parts or material found to be defective, that will be furnished free of charge and shipped by transportation of our choice, F.O.B., our shop. No allowance or claim of any nature will be paid resulting from alterations or repairs of the product, including labor, and in no event shall seller be liable for any special, contingent or consequential damages.