



DODGE PROMASTER LADDER INSTALLATION INSTRUCTIONS

PN: 210287 & 210287.1

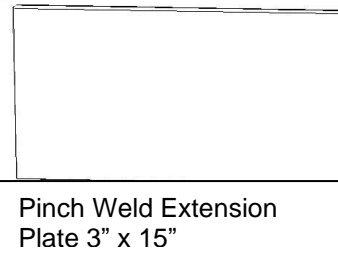
Please read before beginning

- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values*
- *If you have a cruiser rack refer to the second section "Cruiser Rack Installation Instructions"*



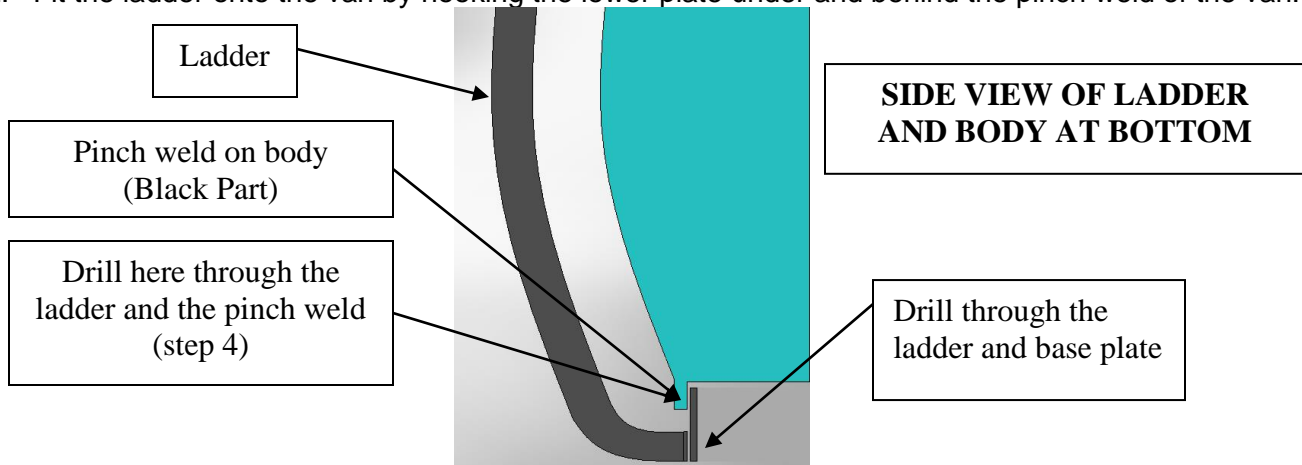
Included Hardware:

- | | |
|---|---|
| • 70014 - 1/4-20 x 1" Button Head Allen Bolt SS | 4 |
| • 70009 - 1/4 x 5/8 Washer SS (.03" Thick) | 8 |
| • 70008 - 1/4-20 Nylock Nuts SS | 4 |
| • Pinch Weld Extension Plate | 1 |
| • Antiseize Packet, 2g | 1 |



1.) Standard Installation Instruction:

1. An Aluminess Roof Rack is required to mount a side ladder on your vehicle. If you have a cruiser rack, please skip to section 2.
2. Fit the ladder onto the van by hooking the lower plate under and behind the pinch weld of the van.



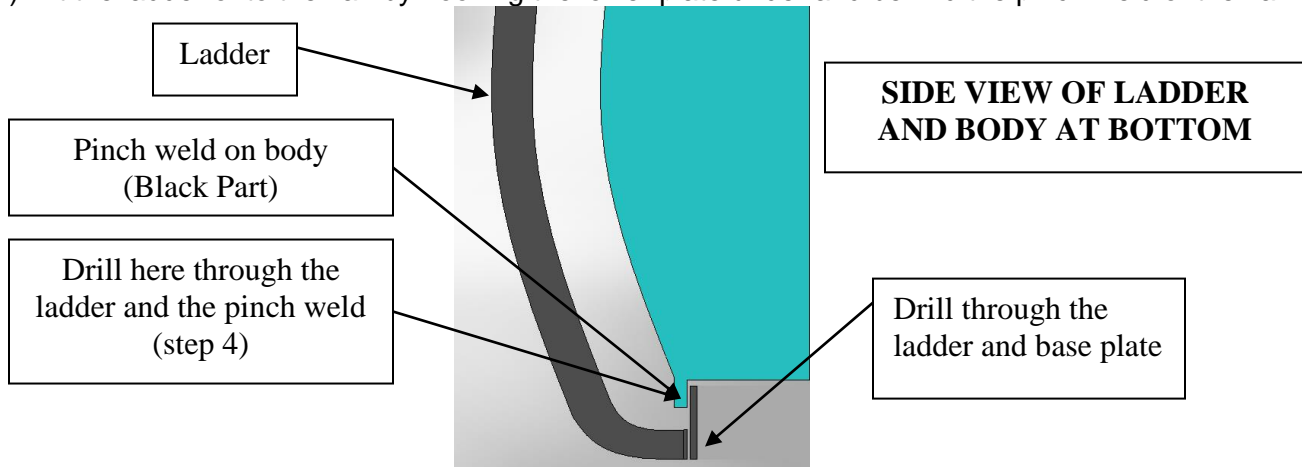
3. Fastening the top of the ladder:



- a. Using the pipe clamps with the $\frac{1}{4}$ " x $1\frac{1}{2}$ " socket cap screw, fasten down the clamps, but do not tighten down all the way.
4. Use a clamp or two to hold the lower plate tight against the pinch weld.
5. Due to different heights in roof racks a pinch weld extension plate may be required. If it is, mount the extension plate in using the same method as below.
6. Drill 2 - $\frac{1}{4}$ " holes through the bottom plate and pinch weld.
7. Insert the $\frac{1}{4}$ "-20 x $1\frac{1}{4}$ " button head bolt, with $\frac{1}{4}$ " washers through the drilled holes and tighten down with $\frac{1}{4}$ "-20 Nylock Nuts.
8. Tighten bolts on the top brackets.
9. Check that all hardware is tight.
10. Congratulations! Your new Aluminess side ladder is now installed. Verify all hardware remains tight after the first 100 miles and check periodically thereafter. Enjoy!

2.) Cruiser Roof Rack Installation Instruction:

- 1.) Fit the ladder onto the van by hooking the lower plate under and behind the pinch weld of the van.





- 2.) Fastening the top of the ladder: Loosely fasten the pipe clamps between the rack side rails as pictured in the figure below. You only need to get the top bolt through the pipe clamp through the top slot.



- 3.) Use a clamp or two to hold the lower plate tight against the pinch weld.
- 4.) Due to different heights in roof racks a pinch weld extension plate may be required. If it is, mount the extension plate in using the same method as below.
- 5.) Drill 2 - 1/4" holes through the bottom plate and pinch weld.
- 6.) Insert the 1/4"-20 x 1 1/4" button head bolt, with 1/4" washers through the drilled holes and tighten down with 1/4"-20 Nylock Nuts.
- 7.) Tighten bolts on the top brackets.
- 8.) Check that all hardware is tight.
- 9.) Congratulations! Your new Aluminess side ladder is now installed. Verify all hardware remains tight after the first 100 miles and check periodically thereafter. Enjoy!



General Torque Values			
Size	Stainless Steel	Zinc	Grade 8
#6-32	10 lb-ft	--	--
#8-32	18.4 lb-ft	--	--
#10-32	26.6 lb-ft	--	--
1/4"-20	5.3 lb-ft	7.8 lb-ft	9 lb-ft
5/16"-18	10.9 lb-ft	16 lb-ft	18 lb-ft
3/8"-16	19.4 lb-ft	28.3 lb-ft	33 lb-ft
7/16"-14	31 lb-ft	45 lb-ft	52 lb-ft
1/2"-13	47 lb-ft	69 lb-ft	80 lb-ft
M6	4.7 lb-ft	5.8 lb-ft	--
M8	11.3 lb-ft	14.1 lb-ft	--
M10	22.3 lb-ft	27.9 lb-ft	--
M12	38.9 lb-ft	48.7 lb-ft	--



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1. Lifetime Warranty. Aluminess provides a lifetime warranty of its products to the original retail purchaser provided such products are installed correctly according to the official Aluminess installation instructions. Any modification to the original product design, function or use of any Aluminess products will void the Aluminess warranty. Aluminess will have sole discretion to determine warranty eligibility for any and all Aluminess products sold to any purchaser.
2. Limited Remedies. Subject to any limitations and exclusions described herein, and subject to Aluminess' determination of warranty eligibility, Aluminess will remedy defects in product materials and/or workmanship of any product by repairing or replacing such defective product, which shall be within Aluminess' sole discretion, without charge for parts or labor. Aluminess may elect in its sole discretion not to replace a defective product and issue the purchaser a refund equal to the purchase price of any defective product or purchaser may elect to receive a credit (equal to such refund) toward the purchase of new Aluminess products. Repair or replacement of a defective product or providing a refund or credit to purchaser will be purchaser's exclusive remedy under this warranty. Damage to a purchaser's vehicle, cargo and/or any other person or property is expressly excluded from the Aluminess warranty.
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4. Damage. Damage to Aluminess products due to normal wear and tear, including, but not limited to, cosmetic issues and superficial scratches, or structural damage to an Aluminess product in connection with any vehicle collisions or other structural degradation in connection with the use of such vehicle (on road or off road) will not be covered by the Aluminess warranty. Additionally, any product user's misuse, neglect, overloading, improper maintenance or improper installation or repair of any Aluminess products are not covered under the Aluminess warranty.
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8. Warranty Claim Submission. Purchaser will responsible for returning any defective product to Aluminess for warranty consideration and purchaser may be responsible for all costs associated with shipping the product to and from Aluminess. Prior to returning any product for warranty, purchaser must contact Aluminess Products Inc. for proper authorization.