

ALDON Company, Inc.

MANUFACTURING EXCELLENCE SINCE 1904 IN RAILWAY AND INDUSTRIAL PRODUCTS

3410 Sunset Avenue, Waukegan, Illinois 60087 • TEL: 847-623-8800 • FAX: 847-623-6139
www.aldonco.com

Installation & Use Instructions

CS-2 Self-Tightening Car Stops (p/n: 4016-03)

Application

Aldon's CS-2 self-tightening car stops (p/n: 4016-03) allow positive stopping and/or blocking of railcars with the advantage of being easily assembled on and off the rail with standard hand tools and no modification or drilling of the rail.

General Cautions

- For use with 85-141lb/yd conventional exposed T-rail only.
- Always use in pairs which are in exact alignment to each other.
- For use with standard size railcars only.
- Check fastener tightness frequently.
- Use only ALDON replacement parts.

When Using as a Stop

- For use on flat track only.
- Car speed at impact must not exceed normal switching speed; 1-2mph.
- Inspect stops for damage before and after each use.
- Do not power into stops with locomotive.

When Using as a Chock/Block on Flat Track

- Use one pair of stops per car.
- Ease car up to stops. Do not impact.
- Apply hand brakes and chock rear wheels with Aldon steel spurred chocks.

When Using as a Chock/Block on Grade

- 1% descending grade maximum.
- Use one pair of stops per car.
- Ease car up to stops. Do not impact.
- Apply hand brakes and chock rear wheels with Aldon steel spurred chocks.

Required Tools

- (1) 1-1/2" Wrench or 6/12pt socket
- (1) 1-3/8" Wrench or 6/12pt socket
- (1) 1-5/8" Wrench or 4/8pt socket
- Spark-resistant hammer

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Installation

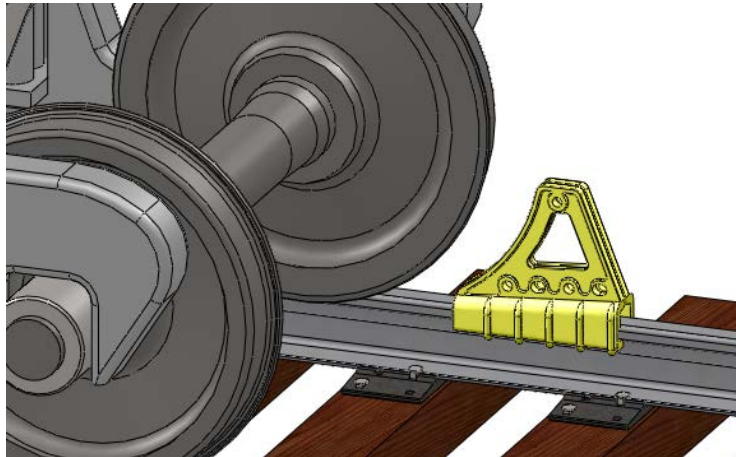
To install the stops determine a suitable position free of rail defects, weld seams, and joint bars. If possible position the stop between two ties instead of centered over a tie.

Step-1: Disassemble the stops and ensure you have all of the components. You should have the following.

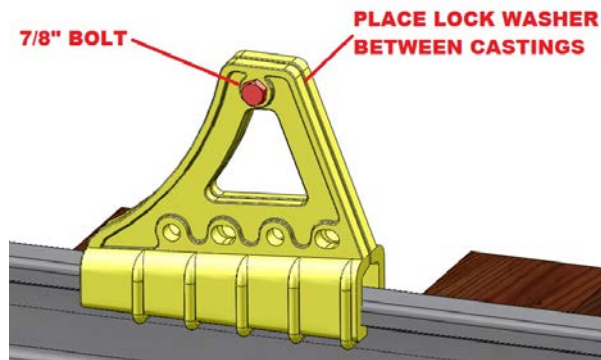
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|-----------------------------|----------------------|-----------------------|
| (1) Right-side stop casting | (1) 7/8" bolt | (4) 1" oval head bolt |
| (1) Left-side stop casting | (1) 7/8" lock washer | (4) 1" lock washers |
| (1) Wedge | (1) 7/8" hex nut | (4) 1" square nuts |

If you are missing any of these components do not install the stops and contact Aldon for replacement parts.

Step-2: Hold both halves of the stop over the rail head with the curved portion of the stop facing the wheel.



Step-3: Install and hand tighten the 7/8" bolt, lock washer, and nut into the top hole of the stop. Note that the lock washer should be placed between the cast halves.

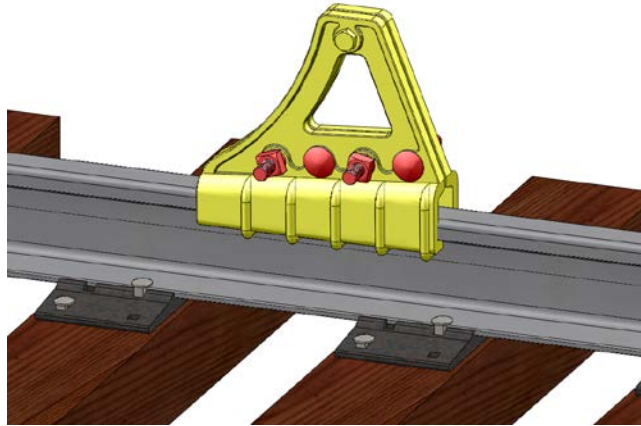


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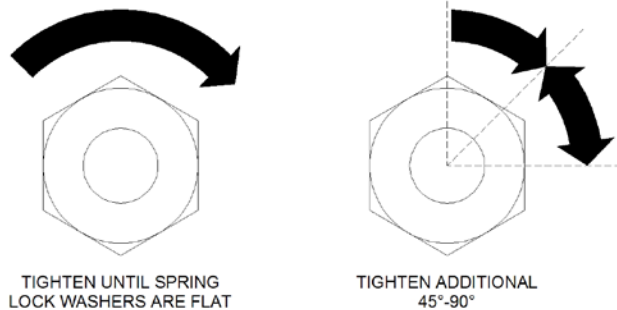
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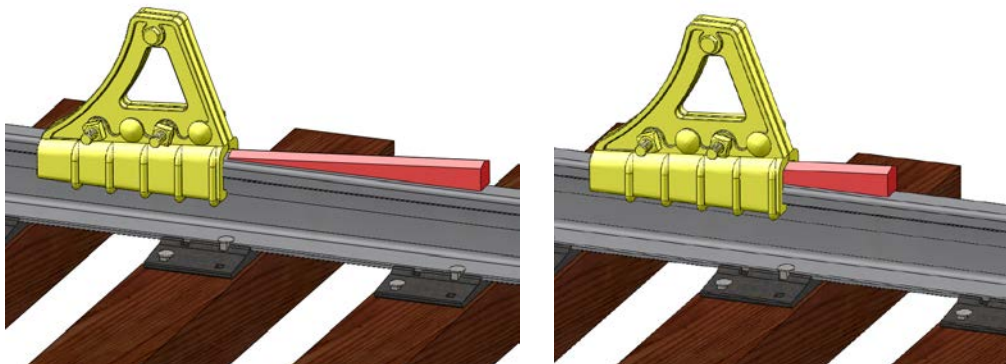
Step-4: Install and hand tighten four 1" oval head bolts, lock washers, and square nuts into the bottom holes. Note that the oval heads fit into oval holes in the castings.



Step-5: Wrench tighten all fasteners.



Step-6: Install wedge from the back side of the stop and drive in with a suitable hammer. Do not directly strike wedge with hard steel hammer. Use a soft-faced or spark-resistant hammer.



Step-7: Repeat steps 1-6 on the opposite rail, making sure to align both stops to one another.

Michael Lannan 06-08-2015