

FLEET SHEET

Haldex

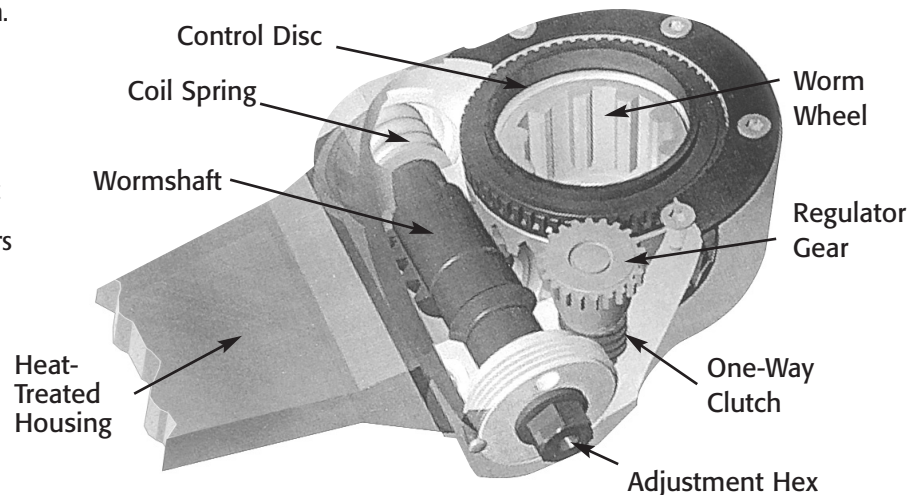
S-ABA

Application Information

1. Determine type of axle Automatic Brake Adjuster is to be used on.
2. Determine camshaft O.D. and number of splines.
3. Determine the length of the Automatic Brake Adjuster arm.

Competitive Advantages

- ✓ Proper adjustment performance
Advantage Haldex: Provides proper adjustment performance regardless of the installation angle, unlike competitive automatic brake adjusters which require installation at precise angles to operate properly.
- ✓ Saves time and reduces installation errors
Advantage Haldex: Error-free installation is less labor-intensive and much simpler than current adjuster installations.
- ✓ Self-setting control arm
Advantage Haldex: The control arm can be set at any angle within the total range of permissible control arm positions allowed with current adjusters, and function properly. No fixed internal stop and no installation pointer required.
- ✓ Gradually adjusts to maintain constant and uniform clearance
Advantage Haldex: Keeps brakes in proper adjustment by measuring the lining to drum clearance on every stop.
- ✓ Eliminates risk of dragging brakes
Advantage Haldex: Gradual adjustment rate practically eliminates any risk of dragging brakes from repetitive brake applications on long, downhill grades or at high application pressure and drum temperatures.
- ✓ Backed by the Industry's Best Warranty
Advantage Haldex: Better sealing and heat treating allow Haldex to warrant product for up to 6 years on line haul applications – the longest warranty in the Industry.
- ✓ Extended life and minimized internal wear
Advantage Haldex: Through a heat-treated housing, and internal gears made of high-strength, high alloy steel and heat treated.
- ✓ Improved protection from moisture and road salt
Advantage Haldex: Through a centralized clutch location, and reliable o-ring seals.
- ✓ Reduces handling and storage costs
Advantage Haldex: The flexibility of the control arm position or location can effectively replace several other fixed control arm brake adjusters.
- ✓ Easy to maintain
Advantage Haldex: As with other Haldex automatic brake adjusters, it is easy to check the adjuster's function on or off the vehicle.
- ✓ Exclusive control arm two hole design
Advantage Haldex: Eliminates clevis pin wear problems, resulting in longer life and consistent lining-to-drum clearance. Eliminates special linkage, rubber boots and sealing problems.



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cont.

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S-ABA

Cross-Reference Information

Haldex Automatic Brake Adjusters will replace the following adjusters with no modifications or alterations.

- Meritor/Rockwell
- Gunite
- Crewson
- Bendix®

(Note: When replacing competitive brands with Haldex Automatic Brake Adjusters, replacements must be made in pairs.)

Related Items Checklist

- Brake Chambers
- Brake Shoes
- Clevis
- Drums
- Hardware
- S-Cams
- S-Cam Bushings

Warranty

72 Months/1 Million Miles from date of installation.

Haldex ABA Linehaul Type Applications
(400/409 Part Number Prefix)

36 Months/Unlimited Miles from date of installation.

Haldex ABA Linehaul Type Applications
(NL/429 Part Number Prefix)

24 Months/100,000 Miles from date of installation.

Haldex ABA Severe Duty Applications
(P&D, Construction, Refuse, Concrete Mixers, Off-Highway)

Interchange/Upgrade Programs

Interchange/upgrade programs are not applicable to the Haldex Automatic Brake Adjuster.

Installation Advisories

- ✓ Ensure s-cam bushings are within manufacturer's specifications.
- ✓ Check for worn brake hardware and replace as needed.
- ✓ Haldex ABA's are factory pre-lubed – no special grease required.
- ✓ Do NOT use an impact wrench or internal damage will occur.

Competitor Overview

- 1) Meritor/Rockwell
 - a) Linkage pin design is susceptible to wear and rubber boot is subject to leakage, allowing contamination.
 - b) Uses stroke-sensing operating principle, which is not as reliable or consistent as clearance sensing operation.
 - c) Rapid intake of excess stroke can lead to over-adjustment and dragging brakes.
 - d) Template is required for installation.
 - e) Must release pawl before backing off or product will be damaged.
 - f) Requires a special clevis for operation.
 - g) May require long stroke brake chambers to operate properly.
 - h) Full coverage of extreme off-sets and inclinations not available.
- 2) Gunite
 - a) Linkage pin design is susceptible to wear and rubber boot is subject to leakage allowing contamination.
 - b) Adjusts on application stroke, putting more stress on linkage pin and internal components.
 - c) Template is required for installation.
 - d) Requires a special clevis for operation.
 - e) Full coverage of extreme off-sets and inclinations not available.
- 3) Crewson
 - a) Linkage pin design is susceptible to wear and rubber boot is subject to leakage, allowing contamination.
 - b) Template is required for installation.
 - c) Requires a special clevis for operation.
 - d) Full coverage of extreme off-sets and inclinations not available.
- 4) Bendix®
 - a) Linkage pin design is susceptible to wear and rubber boot is subject to leakage, allowing contamination.
 - b) Rapid intake of excess stroke can lead to over-adjustment and dragging brakes.
 - c) Adjusts on application stroke, putting more stress on linkage pin and internal components.
 - d) Template is required for installation.
 - e) Requires a special clevis for operation.
 - f) Full coverage of extreme off-sets and inclinations not available.

Available Literature

MC2006	Haldex Master Catalog (Complete Listing of ABA Part Numbers and Specifications)
ABA10017	ABA Installation Videotape
L00090	ABA Parts & Cross-Reference Information
L00098	ABA Shop Maintenance Packet
L20447	ABA Supplemental Service Information
L30037	ABA Service Manual
L60047	ABA Installation Wall Chart

Warning: Haldex strongly recommends routine visual checks be performed at EACH maintenance service interval. Foundation brake operational checks utilizing CVSA level 1 applied stroke criteria should always be utilized. Manual adjustment of automatic adjusters can disguise hidden problems within the foundation brake. Brake components such as s-cams, bushings, return springs, actuators, drums and adjuster installation MUST be within manufacturer's specifications. Adjuster control arms, wear bushings or attaching hardware that demonstrate visual damage, or which fail the operational checks, MUST be replaced immediately. Automatic Adjusters should NEVER be operated as manual adjusters except as may be necessary to get the vehicle off the road for service.