

# FLEET SHEET

**Haldex**

## Automatic Brake Adjuster (ABA)

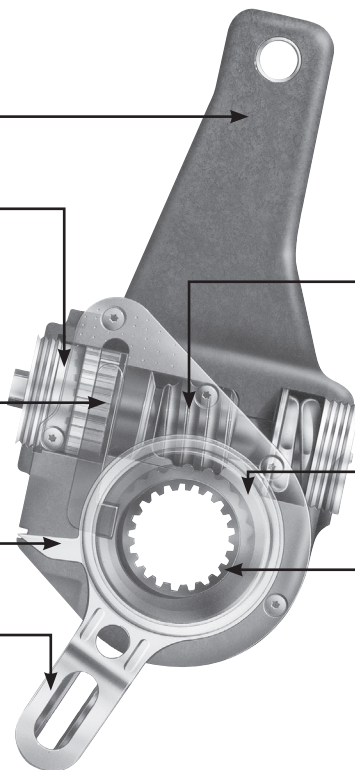
**Heat Treated Housing** extends service life and minimizes internal wear.

**O-Ring** provides sealing and prevents contamination.

**Clutch Assembly** cold forged cone clutch components for durability.

**Installation Indicator** built-in and visually confirms correct installation.

**Exclusive Control Arm** eliminates need for special clevis.



**Wormshaft** exclusive after rolling process extends fatigue life.

**O-Ring Seal** eliminates problems with rubber boots.

**Worm Wheel** chrom-moly gears and a butress tooth configuration on the gears reduces gear stress and prolongs service life.

## Haldex Automatic Brake Adjuster (ABA) "Covers More Applications than Any Other Brand"

### 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.

### Features – Benefits – Advantages

- ✓ **Heat treated housing** - Only Haldex heat treats the housing to reduce internal wear and provide longer service life.
- ✓ **Exclusive control arm** - No need for a special clevis and linkage wear problems are eliminated, resulting in longer life.
- ✓ **Industry's best warranty** - better sealing and heat treating allow Haldex to warrant product for up to six years on line haul applications - the longest brake adjuster warranty offered in the industry.
- ✓ **Clearance sensing type automatic brake adjuster** - Maintains optimum shoe-to-drum clearance and shortest stroke.
- ✓ **Industry's most flexible installation** - Only automatic brake adjuster that will work with any manufacturer's clevis. No template required for installation.
- ✓ **Selection** - Haldex offers the greatest selection of offset and non-standard applications.

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## Automatic Brake Adjuster (ABA)

### Cross-Reference Information

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

- Bendix®
- Crewson
- Gunité
- Meritor/Rockwell

**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

### Interchange/Upgrade Programs

Interchange/Upgrade Programs are not applicable to the Haldex Automatic Brake Adjuster (ABA).

### Warranty

Haldex ABA Linehaul Type Applications  
(409 Part Number Prefix)

72 Months/1 Million Miles from date of installation

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

36 Months/Unlimited Miles from date of installation

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

24 Months/100,000 Miles from date of installation

### Competitor Overview

#### Bendix/Crewson/Gunité

- Use external boot and linkage: boot is subject to leakage allowing contamination in.
- Clevis is manufacturer specific.
- Template is required for installation.

#### Meritor/Rockwell

- Uses "stroke sensing": not as reliable or as consistent as clearance sensing.
- Uses external boot and linkage: boot is subject to leakage allowing contamination in.
- Must release pawl before backing off or unit will be damaged.
- Clevis is manufacturer specific.
- Template is required for installation.
- Chamber specific: more part numbers to stock.

### Available Literature

L00090	ABA Parts Cross-Reference Information
L20361	ABA/S-ABA Brochure
L20447	ABA Supplemental Service Information
L30033	ABA Service Manual
L60047	ABA/S-ABA Installation Wall Chart

### Installation Advisories

- ✓ For Haldex ABA's featuring the exclusive control arm feature, ensure control arm installation indicator is within notch when brakes are released.
- ✓ Ensure s-cams, bushings and the entire foundation brake are within manufacturer's specifications.
- ✓ Haldex ABA's are factory pre-lubed: no special grease required.

**Automatic adjusters should *NEVER* be readjusted, except as may be necessary to get the vehicle off the road for service.**

**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 bushing or attaching hardware that demonstrate visual damage, or which fail the operational checks, *MUST* be replaced immediately.