

AUTOMATIC BRAKE ADJUSTER



Patented Auto-Check™

SHIP'D JUN 24 2013

Reduce time spent under your trucks and increase safety.

Stemco Crewson Brake Adjusters. Designed for maximum safety and convenience. With Stemco Crewson Brake Adjusters you'll have an easier time making sure your trucks are up to code and operating safely. Our brake adjusters have been designed with a variety of patented features including:

- Auto Check™: This patented feature allows you to check brake stroke without crawling under the truck.
- Cam Guard: This lubrication system eliminates seizing and corrosion.
- Patented Installation Template: This handy guide ensures the ABA is installed correctly every time.
- Patented Clearance Sensing Adjuster System: Stemco Crewson features the only patented reduced wear clutch in the industry.
- High Strength Gearset: Assures the ABA will stand up to years of service in demanding conditions.
- Blue Powder Coat: Protects the ABA from harsh winter conditions.
- Sealing: The gear is sealed with a proprietary system that protects it from environmental contamination.

TQM
TOTAL QUALITY MAINTENANCE™

STEMCO
 **CREWSON™**

stemcocrewson.com

AUTOMATIC BRAKE ADJUSTER

The Stemco Crewson Automatic Brake Adjuster maintains proper shoe-to-drum clearance in all braking modes and is easily installed in the field or on the shop floor.

Installation

The Stemco Crewson Automatic Brake Adjuster comes with our patented, structurally rigid installation guide. This handy and fool-proof guide ensures that even first time users can install the ABA correctly every time.

Auto-Check™

Our patented Auto-Check™ feature is designed to provide a method of checking the brake stroke without going under the truck.

- Installed on the ABA facing the center of the vehicle to easily see if brake stroke is in a normal range.
- Bright yellow pointer and indicator easily corrects set-up position, determines working stroke and shows if brake stroke is past re-adjust limit without crawling under vehicle.
- Offers you an extra quality control check.

Long Life Adjustment System

Heavy-duty internal components with a clearance sensing clutch enables your brake system to adjust for hot braking conditions. This patented STEMCO Crewson design protects the adjusting components during normal brake applications when brake adjustment is not required. Over 90% of all brake applications do not require adjustment, so they subject the adjusting components to continuous wear.

The STEMCO Crewson Adjustment System operates like the windshield wipers on your car — it is utilized only when needed, not continuously when the car is running.

- A typical highway vehicle makes about two million brake applications in five years.
- This same vehicle will require the ABA to adjust the brake about 3,000 times.

Warranty

This warranty is not applicable to failures caused by improper installation, repair, alteration, accidents, abuse, improper use, normal wear and tear. The below is only a partial copy of the warranty. For a complete copy of the warranty, please contact your local Stemco Crewson distributor. Stemco Crewson reserves the right to modify our warranty policy without notice.



Installation Guide



Detail of Auto-Check™ Feature

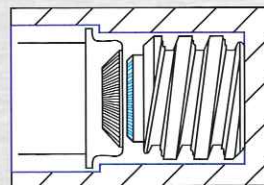


Figure A shows components disengaged to reduce wear (over 90% of the time).

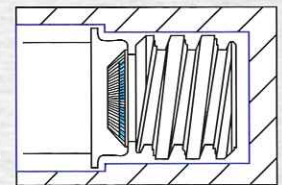


Figure B shows components engaged during brake adjustment (less than 10% of the time).

Warranty Period (Whichever occurs first)	6 years/ 1 million miles	2 years/ 200,000 miles	1 year/ 100,000 miles
ABAs used for	On-Highway Trucks Tractors, and Trailers	Off-Highway Applications (e.g. construction vehicles)	Severe Service ABAs (e.g. refuse pickup, school buses, or city deliveries)

Stemco Crewson Competitive Quick Crossover

TO CONVERT NON-AUTOCHECK TO AUTOCHECK:

- Change the first number from a [2]" to [3] for chamber type 16, 20, 24 STD - 1.75" Limit
- Change the first number from a [2]" to [4] for chamber type 16, 20, 24 LS, 30 STD - 2.00" Limit
- Change the first number from a [2]" to [5] for chamber type 36 STD - 2.25" limit
- Change the first number from a [2]" to [7] for chamber type 24 LLS, 30 LS - 2.50" Limit

BENDIX	NON-AUTOCHECK	AUTOCHECK	GUNITE (CONT.)	NON-AUTOCHECK	AUTOCHECK	MERITOR (CONT.)	NON-AUTOCHECK	AUTOCHECK
065163	MK24300S	MK44300S	AS1141	MK22106S	MK42106S	R801073	MK22100S	MK42100S
065164	MK24200S	MK34200S	AS1142	MK22101S	MK42101S	R801074	MK22106S	MK42106S
065167	MK25100S	MK45100S	AS1143	MK23100S	MK43100S	R801075	MK22106S	MK42106S
065169	MK21300S	MK41300S	AS1144	MK23106S	MK43106S	R801079	MK22100S	MK42100S
065170	MK21100S	MK41100S	AS1146	MK21100S	MK41100S	R801080	MK22100S	MK42100S
065172	MK21106S	MK41106S	AS1147	MK21106S	MK41106S	R801100	MK23106S	MK43106S
065174	MK22100S	MK42100S	AS1148	MK21101S	MK41101S	R801101	MK23100S	MK43100S
065175	MK22106S	MK42106S	AS1149	MK22100S	MK42100S	R801102	MK23106S	MK43106S
065176	MK22106S	MK42106S	AS1150	MK22106S	MK42106S	R802032	MK24400S	MK34400S
065177	MK23106S	MK43106S	AS1151	MK22101S	MK42101S	R802033	MK24400S	MK34400S
065178	MK23100S	MK43100S	AS1152	MK24400S	MK34400S	R802060	MK25200S	MK35200S
065179	MK23106S	MK43106S	AS1153	MK24300S	MK44300S	R802061	MK25200S	MK35200S
065181	MK23100S	MK43100S	AS1154	MK25400S	MK35400S	R802070	MK25100S	MK45100S
065221	MK22200S	MK32200S	AS1155	MK25300S	MK45300S	R802071	MK25100S	MK45100S
065244	MK24400S	MK34400S	AS1156	MK21300S	MK41300S	R802446	MK22100S	MK42100S
065245	MK22400S	MK32400S	AS1157	MK22300S	MK42300S	R802447	MK22100S	MK42100S
065247	MK22100S	MK42100S	AS1159	MK23100S	MK43100S	R806005	MK22152S	
065274	MK24200S	MK44200S	AS1160	MK23106S	MK43106S	R806006	MK22153S	
065276	MK22400S	MK42400S	AS1162	MK21100S	MK41100S	R806013	MK22106S	MK42106S
065306	MK25400S	MK45400S	AS1163	MK21106S	MK41106S	R806014	MK23106S	MK43106S
065344	MK21106S	MK41106S	AS1164	MK21101S	MK41101S	R806015	MK21106S	MK42106S
065353	MK25200S	MK35200S	AS1165	MK22100S	MK42100S	R806019	MK22100S	MK42100S
065403	MK25100S	MK45100S	AS1166	MK22106S	MK42106S	R806020	MK23100S	MK43100S
065488	MK21300S	MK41300S	AS1167	MK22101S	MK42101S	R806021	MK21100S	MK41100S
065700	MK21100S	MK41100S				R806022	MK21102S	MK41100S
801351	MK24100S	MK44100S				R806023	MK21103S	MK41106S
801353	MK21200S	MK31200S				R806024	MK22103S	MK42106S
801355	MK22200S	MK32200S				R806026	MK22102S	MK42100S
801356	MK22106S	MK42106S				R806504	MK25300S	MK45300S
801358	MK21300S	MK41300S				R806505	MK25300S	MK45300S
			Use Clevis Kit MC8410KTS for 1/2" Push Rods. ALL Gunite AS1000 Numbers are Without Clevises. IE: AS1040 is a AS1140 with Clevis.					
			HALDEX	NON-AUTOCHECK	AUTOCHECK			
			4001002	MK24300S	MK44300S			
			4001003	MK24300S	MK44300S			
			4001005	MK21100S	MK41100S			
			4001006	MK21300S	MK41300S			
			4001007	MK21300S	MK41300S			
			4001008	MK22100S	MK42100S			
			4001013	MK24100S	MK44100S			
			4001048	MK22300S	MK32300S			
			4001049	MK22300S	MK32300S			
			4001070	MK22100S	MK42100S			
			4001071	MK21100S	MK41100S			
			4001072	MK24100S	MK44100S			
			4001081	MK22100S	MK42100S			
			40010140	MK22103S	MK42106S			
			40010141	MK22102S	MK42100S			
			40010142	MK21103S	MK41106S			
			40010143	MK22102S	MK42100S			
			40010144	MK22106S	MK42106S			
			40010145	MK21106S	MK41106S			
			40010155	MK21100S	MK41100S			
			40010211	MK22100S	MK42100S			
			40010212	MK22106S	MK42106S			
			40010213	MK23100S	MK43100S			
			40010214	MK23106S	MK43106S			
			40010215	MK21100S	MK41100S			
			40010216	MK21106S	MK41106S			
			40010302	MK21153S				
			40010304	MK22152S				
			MERITOR	NON-AUTOCHECK	AUTOCHECK			
			R801001	MK24200S	MK34200S			
			R801002	MK25200S	MK35200S			
			R801003	MK25100S	MK45100S			
			R801004	MK24100S	MK44100S			
			R801040	MK21106S	MK42106S			
			R801041	MK21100S	MK41100S			
			R801042	MK21106S	MK41106S			
			R801043	MK21100S	MK41100S			
			R801044	MK21106S	MK42106S			
			R801070	MK22200S	MK42200S			
			R801071	MK22106S	MK42106S			
			R801072	MK22100S	MK42100S			
			MIDLAND	NON-AUTOCHECK	AUTOCHECK			
			CS52315	MK21103S	MK41106S			
			CS52316	MK21102S	MK41100S			
			CS52317	MK21104S	N/A			
			CS52320	MK22102S	MK42100S			
			CS52321	MK22103S	MK42106S			
			CS52322	MK22104S	N/A			
			CS52325	MK23102S	MK43100S			
			CS52326	MK23106S	MK43106S			
			CS52330	MK24102S	MK44100S			
			CS52331	MK24300S	MK44300S			
			CS52332	MK24103S	MK44106S			
			CS52335	MK25102S	MK45100S			
			CS52336	MK25300S	MK45300S			
			CS52337	MK25103S	MK45106S			
			CS53342	MK21153S				
			CS52343	MK22153S				
			CS52344	MK21104S	N/A			
			CS52345	MK22104S	N/A			
			CS52346	MK21100S	MK41100S			
			CS52347	MK22100S	MK42100S			
			CS52348	MK21106S	MK41106S			
			CS52349	MK22106S	MK42106S			
			CS52350	MK23106S	MK43106S			
			CS52351	MK21152S				
			CS52352	MK22152S				
			CS52353	MK21103S	MK41106S			
			CS52354	MK21102S	MK41100S			
			CS52355	MK22103S	MK42106S			
			CS52356	MK22102S	MK42100S			
			CS52357	MK23100S	MK43100S			
			CS52358	MK24100S	MK34100S			
			CS52359	MK25100S	MK35100S			
			CS52360	MK24200S	MK34200S			
			CS52361	MK25200S	MK35200S			
			CS52362	MK21100S	MK71100S			
			CS52363	MK21106S	MK71106S			
			CS52364	MK22100S	MK72100S			
			CS52365	MK22106S	MK72106S			
			CS52366	MK23106S	MK73106S			
GUNITE	NON-AUTOCHECK	AUTOCHECK						
AS1132	MK21100S	MK41100S						
AS1133	MK21106S	MK41106S						
AS1134	MK21101S	MK41101S						
AS1136	MK24100S	MK44100S						
AS1138	MK25100S	MK45100S						
AS1140	MK22100S	MK42100S						

- Auto Check part numbers exact crossover
- Double Drilled
- 6" arm length only
- 5.5" arm length only

- No Auto Check 12-1/4" brakes
- For 5/8" Push Rod Applications
- Double Drilled
- 6" Only

- 5.5" Only
- No Auto Check 12-1/4" brakes
- Auto Check part numbers exact crossover
- Doubled Drilled

- 6" Only
- 5.5" Only
- No Auto Check 12-1/4" brakes

Stemco Crewson Part Numbers

Unlike other manufacturers, you can determine what part you need by gathering the following information.

(MK) ALL AFTERMARKET PART NUMBERS

(A) AUTO CHECK STROKE INDICATOR

- (2) No "Auto-Check" Indicator
- (3) T-16, 20, 24 Std. Stroke Chamber
- (4) T-30 Std. Stroke Or T-16, 24 LS Chamber
- (5) T-36 Std. Stroke Chamber
- (7) T-24, 30 Long Stroke Chamber

(B) SPLINE (Diameter - Splines)

- (1) 1-1/2 - 10
- (2) 1-1/2 - 28
- (3) 1-5/8 - 37
- (4) 1-1/4 - 10
- (5) 1-1/4 - 24

(C) CLEVIS TYPE & SIZE

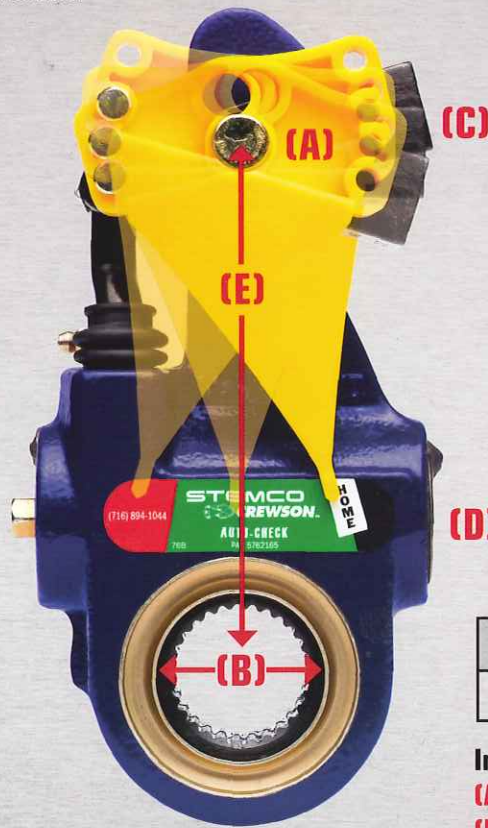
- (0) No Clevis
- (1) 5/8 - 18 Straight
- (2) 1/2 - 20 Straight
- (3) 5/8 - 18 Offset
- (4) 1/2 - 20 Offset
- (5) 16 X 1.5mm Straight
- (7) 5/8 - 18 Straight Extended
- (8) 5/8 - 18 Short Throat
- (9) 5/8 - 18 Short Throat 5/8 Offset
- (A) 3/4 - 16 Straight
- (E) 1/2 - 20 Straight Extended
- (G) 3/4 - 16 Straight Extended
- (L) 16 X 1.5mm Offset

(D) BRAKE SIZE/TYPE

- (0) Std S-Cam Brake
- (5) 12.25 S-Cam Brake Curved Arm

(E) ARM LENGTH

- (0) 5.5"
- (1) 6.5"
- (2) 5.5", 6.5"
- (3) 5", 6"
- (4) 5", 6", 7"
- (5) 5"
- (6) 6"
- (7) 5.5" Short Arm



EXAMPLE

MK	(A)	(B)	(C)	(D)	(E)
MK	4	2	1	0	6

In This Example:

- (A) Would be a STD Type 30 Auto Check
- (B) Would be a 1-1/2"-28 Spline
- (C) Would be a 5/8-18 Straight Clevis
- (D) Would be a Standard S-Cam Brake
- (E) Would be a 6" Arm Length

STEMCO-USA

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