

ROCKWELL

BRAKE REPAIR KITS

ROCKWELL 16 1/2" "P" SERIES AND STD. FORGE EARLY MODEL BRAKE

APPLICATION INFORMATION		KIT NUMBER
		<p>EUCLID KIT Z-KIT45HD</p> <p>Includes:</p> <ul style="list-style-type: none"> 2 Z-E5125 Anchor Pin* 2 Z-E2177 Knurled Roller 1 Z-E1880S Heavy Duty Return Spring* 2 Z-E539 Roller Retainer 4 Z-E801 Lock Ring 2 Z-E579A Lock Screw 4 Z-E1269 Seal 2 Z-E747 Spring Retainer <p><i>*Not sold separately</i></p>

"UNIVERSAL" KIT WITH "FREE-FLOATING" ANCHOR PIN USED ON 16 1/2" EATON, FRUEHAUF, ROCKWELL, SPICER (DANA) AND STD. FORGE BRAKES

APPLICATION INFORMATION		KIT NUMBER
<p>All 16 1/2" P brakes on truck, tractor and trailer axles with fab shoes. Contains phosphate coated anchor pins. Services one brake</p>		<p>EUCLID KIT Z-R509000</p> <p>Includes:</p> <ul style="list-style-type: none"> 2 Z-1259M1131 Anchor Pin 1 Z-2258P354 Return Spring 2 Z-1779R18 Roller 2 Z-1225B496 Anchor Pin Bushing 2 Z-1218G85 Return Spring Pin 2 Z-1718Y103 Roller Retainer 4 Z-1229D2942 Snap Ring 4 Z-1229B1848 Anchor Pin Washer

ROCKWELL 16 1/2" "Q", "Q PLUS" AND SPICER (DANA) "FAST CHANGE" BRAKE


APPLICATION INFORMATION		KIT NUMBER
<p>Services all Q brake sizes, including Fruehauf, except those on front steering axles. Services one brake.</p>		<p>EUCLID KIT Z-KIT8000</p> <p>Includes:</p> <ul style="list-style-type: none"> 2 Z-1259N274 Anchor Pin 1 Z-2258U619 Return Spring 2 Z-2258Q615 Retainer Spring 2 Z-1779R18 Roller 2 Z-1225B496 Anchor Pin Bushing 2 Z-1218G85 Return Spring Pin 2 Z-3105B210 Roller Retainer

APPLICATION INFORMATION		KIT NUMBER
<p>Services all Q brake sizes, including Fruehauf, except those on front steering axles. Services one brake.</p>		<p>EUCLID KIT Z-KIT8002SS</p> <p>Includes:</p> <ul style="list-style-type: none"> 1 Z-2258U619 Return Spring 2 Z-2258Q615 Retainer Spring


ROCKWELL


BRAKE SHOE ROLLERS

"Hi-Kromite Plated"

"POSI-ROLL" DIAMOND KNURLED BRAKE SHOE ROLLERS For Fabricated Brake Shoes	PART No.	REPLACES	O.A. LENGTH	LENGTH OF LARGE DIA.	OD	APPLICATION & GENERAL INFORMATION
		Z-E2177	Rockwell 1779R18 Diamond T 26282 Fruehauf 330733 GM 2295551 Spicer M16WJ104 Std. Forge 204101-001 Trailmobile 7-23-7 WhiteGMC 827702	2 ⁷ / ₃₂ "	1 ⁹ / ₃₂ "	1 ¹ / ₄ "

BRAKE SHOE ANCHOR PINS

HARD CHROME PLATED	PART No.	REPLACES	LENGTH	OD	APPLICATION & GENERAL INFORMATION
	Z-E512BK	Rockwell 1259-Q-251 Fruehauf 330673 GM 2295423 Kershaw 11093 Mack 3015M-86 Navistar 126403R1 Spicer M10WJ162 Std. Forge 203102-001	2 ⁷ / ₈ "	1 ¹ / ₄ "	For Rockwell & Fruehauf Fabricated Shoes

HARD CHROME PLATED	PART No.	REPLACES	LENGTH	OD	APPLICATION & GENERAL INFORMATION
	Z-E609	Rockwell 1259-N-170 Fruehauf 578322 Spicer M10WJ164 Std. Forge 203106	2 ¹⁵ / ₃₂ "	1 ¹ / ₄ "	For Rockwell & Fruehauf "Pro-Par" axle with Fabricated Shoes

BRAKE SHOE RETURN SPRINGS

For 16¹/₂" Brakes


HEAVY-DUTY	PART No.	REPLACES	O.A. LENGTH	O.D.	APPLICATION & GENERAL INFORMATION
 100 lb. MEGA PLUS SPRING	Z-E1880B	Rockwell 2258-Z-416	8"	1 ¹ / ₄ "	Use for Spicer "XL" Brakes and Rockwell "P" Brakes.

CAM BRAKE SHOES

For 16¹/₂" "P" Brakes


UNLINED SHOE No.	REPLACES	SIZE	FMSI No.	RIVET
	Z-E2241 Rockwell A-3222-R-876 A-3722-N-66	16 ¹ / ₂ " x 7"	4515E	10-8

For 16¹/₂" "Q" Brakes

UNLINED SHOE No.	REPLACES	SIZE	FMSI No.	RIVET
	Z-A3222S1293 Rockwell A3222S1293	16 ¹ / ₂ " x 7"	4515G	RV-3109 1/4"

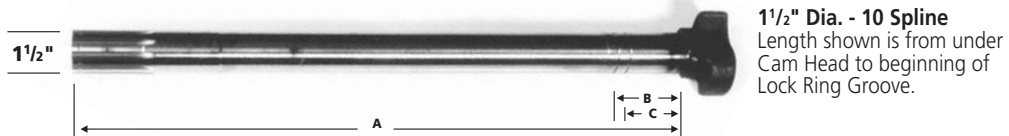
ROCKWELL

DUST SHIELDS FOR MULTI-PURPOSE TRAILER APPLICATIONS

	PART No.	BRAKE SIZE	REPLACES
	Z-E886 STEEL	16 1/2" x 6" 16 1/2" x 7"	Eaton B-1688A Fruehauf 966691LH 966692RH Rockwell 3236-A-1249LH 3236-B-1250RH A1-3236-A-1249 Spicer M16WB101 Std. Forge UB1172, UB1165 & 5102

BRAKE CAMSHAFTS

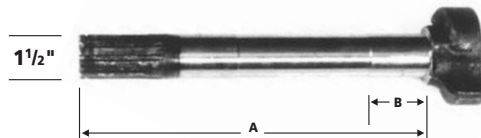
1 1/2" DIAMETER MULTI-APPLICATION CAMSHAFTS FOR TRAILERS WITH 16 1/2" BRAKES - Double Groove



1 1/2" Dia. - 10 Spline
Length shown is from under
Cam Head to beginning of
Lock Ring Groove.

PART No.	REPLACES	A	B	C	APPLICATION & GENERAL INFORMATION
Z-E1425 LH	Rockwell 2210-N-2484 & 2210-G-3595 Fruehauf 219316 & 580443 Spicer M16WK103-17 Std. Forge 202100-205L Trailmobile 7-5-64L	20 3/8"	2 7/32"	1 5/8"	"Standard" Universal 1 5/8" Groove used on Paymaster RN & RL Axles
Z-E1424 RH	Rockwell 2210-M-2483 & 2210-F-3594 Fruehauf 219317 & 580444 Spicer M16WK102-17 Std. Forge 202100-205R Trailmobile 7-5-64R				

FOR ROCKWELL DRIVE AXLES WITH 16 1/2" STANDARD BRAKES



1 1/2" Dia. - 10 Spline
Length shown is from under
Cam Head to beginning of
Lock Ring Groove.

PART No.	REPLACES	A	B	APPLICATION & GENERAL INFORMATION
Z-E2479 LH	Rockwell 2210-X-5640S 2210-Y-2443	8 1/2"	1 3/4"	For Mack Trucks using Rockwell 38,000 and 44,000 lb. axles.
Z-E2478B RH	Rockwell 2210-W-5639S 2210-X-2442			
Z-E1774C LH	Rockwell 2210-L-3028 2210-X-5354S	11 1/4"	1 3/4"	-
Z-E1773C RH	Rockwell 2210-K-3027 2210-W-5353S			

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CAMSHAFT REPAIR KITS For 16¹/₂" Dia. Cam Brakes

APPLICATION		KIT NUMBER
Drive axle P and Q brakes		EUCLID KIT Z-E2086B Includes: 4 Z-E5512 Bushing 4 Z-E654 Seal 2 Z-E656 "D" Washer 2 Z-E580 Washer 2 Z-E581 Washer 2 Z-E526 Lock Ring 2 Z-E3859 Gasket 2 Z-E4736 Lock Ring

APPLICATION		KIT NUMBER
Trailer axle P and Q brakes		EUCLID KIT Z-E1357A Includes: 2 Z-E943 Bushing 2 Z-E535 Bushing 4 Z-E580 Washer 2 Z-E581 Washer 2 Z-E656 "D" Washer 4 Z-E526 Lock Ring 2 Z-E4736 Lock Ring

APPLICATION		KIT NUMBER
FOR LATE MODEL ROCKWELL 4000-6000 SERIES TRAILER AXLES With 1 ⁵ / ₈ " Dia. Camshafts Also used for 12 ¹ / ₄ " "Q" Brakes Z-E3520AHD Replaces Rockwell KIT 8048 Contains Lock Rings for Camshafts with narrow or wide grooves.		EUCLID KIT Z-E3520AHD Includes: 2 Z-E564 Washer 2 Z-E1318AHD Support Assembly 2 Z-E801 Lock Ring 2 Z-E2405 Seal 2 Z-E2406 Seal 2 Z-E2407 Outer Bushing 2 Z-E2408 Inner Bushing 2 Z-E1569 Lock Ring 2 Z-E1113 Washer 4 Z-E2411A Washer 2 Z-E5093 Lock Ring


CAMSHAFT SUPPORT BUSHING ASSEMBLY FOR ROCKWELL TRAILER AXLES

	PART No.	REPLACES	APPLICATION
	Z-E1318A	Rockwell A-3105-V-282	Original OEM style Bushing Assembly


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CAMSHAFT BUSHINGS


NYLON				
				
PART No.	O.D.	I.D.	LENGTH	REPLACES
Z-E2361	2 1/8"	1 1/2"	1"	Rockwell 1225-R-1058 NOTE: For use in Z-E1318A Assembly only. Do not use in Z-E1318AHD. Use Z-E1314 O-Ring on each side.

NYLON				
				
PART No.	O.D.	I.D.	LENGTH	REPLACES
Z-E535	2 3/4"	1 1/2"	2 1/2"	Rockwell A-3299-G-1541


FOR EARLY MODEL ROCKWELL 500 SERIES AXLES

		DESCRIPTION	PART No.	REPLACES	I.D.	APPLICATION
YELLOW	WHITE	SPLIT BUSHING - SOLD ONLY AS A SET	Z-E943	Rockwell A-1225-D-420 A-1225-V-438	1 1/2"	YELLOW half is used on inboard side of spider WHITE half is used on outboard side of spider

CAMSHAFT SPACER WASHERS


	PART No.	REPLACES	O.D.	I.D.	THICK	PLATED	APPLICATION
	Z-E581	Rockwell 1229-Q-771 Fruehauf 219292 Trailmobile 7-9-11	2 1/4"	1 17/32"	.032	YES	Used on all 1 1/2" dia. Camshafts
	Z-E580	Rockwell 1229-R-122 Fruehauf 219293 Eaton AXA-0432-1 B-1216 & 820009	2 1/4"	1 17/32"	.060	YES	Use on all 1 1/2" dia. Camshafts Including End Washer for Fruehauf "Pro-Par" Camshaft
	Z-E1113	Rockwell 1229-B-1848	1 7/8"	1 17/64"	.060	YES	For Rockwell 4000-6000 Series Axle Spline End

CAMSHAFT LOCK RINGS


	PART No.	REPLACES	I.D.	THICK	APPLICATION
	Z-E526	Rockwell 1229-Z-1118 Fruehauf 219160 Eaton B-1716 & 820095 GM 2101124	1 31/64"	1/16"	For all 1 1/2" dia. Camshafts

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CAMSHAFT SEALS

	PART No.	REPLACES	O.D.	I.D.	THICK	APPLICATION
	Z-E1416	Rockwell Spicer Std. Forge 1205-M-1105 M16HH100 408101	1 ⁷ / ₈ "	1 ¹ / ₂ "	³ / ₁₆ "	For 1 ¹ / ₂ " dia. Camshafts. Use with late model Rockwell and Std. Forge Weld-on Spiders.
	Z-E1416A	Eaton 40864 79903	1 ⁷ / ₈ "	1 ¹ / ₂ "	¹ / ₄ "	Same as E-1416 except ¹ / ₄ " thick. Cannot be used on late model Rockwell Axles.

MANUAL SLACK ADJUSTERS

	PART No.	REPLACES	FITS CAM SPLINE	ARM LENGTH	MAX. TORQUE RATING
	Z-E2458BK	Bendix 286965 Eagle A-7085 Midland KN44051 Rockwell R822003 Sloan 2011, 2031, 2096	1 ¹ / ₂ " - 28	5" - 6" - 7"	26,000 lbs.

TRAILER AXLE SPINDLE NUTS

ROCKWELL RL, RN, RQ, TK, TKL, TKN AXLES - "POSITIVE" ADJUSTMENT



INNER NUT



OUTER NUT



LOCK WASHER



TAB LOCK

DESCRIPTION	PART No.	REPLACES	ACROSS FLATS	THREAD SIZE	THICKNESS	O.D.	I.D.
POSITIVE ADJUST INNER NUT	Z-E1253	Rockwell 1227-B-678	3 ¹³ / ₁₆ "	2 ³ / ₈ " - 16	¹ / ₂ "	-	-
OUTER NUT	Z-E1251	Rockwell 1227-Z-676	3 ¹ / ₄ "	2 ³ / ₈ " - 16		-	-
LOCK WASHER	Z-E1252	Rockwell 1229-T-1996	-	-	³ / ₈ "	3 ¹³ / ₁₆ "	2 ¹³ / ₃₂ "
TAB LOCK	Z-E3010	Used w/ Positive Adjust Nut or Replacement Service Nut to Lock Outer Nut in Place	-	-	.060	4"	2 ¹³ / ₃₂ "
*REPLACEMENT SERVICE NUT	Z-E2128	Rockwell A-1227-S-877	3 ¹³ / ₁₆ "	2 ³ / ₈ " - 16	¹ / ₂ "	-	-

* Used in place of Z-E1253 to convert to "manual" adjustment.

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ROCKWELL, EATON, KERSHAW, & STD. FORGE 17,000 & 18,000 LB. TRADE AXLES



INNER NUT



OUTER NUT



LOCK WASHER



TAB LOCK

DESCRIPTION	PART No.	REPLACES	ACROSS FLATS	THREAD SIZE	THICKNESS	O.D.	I.D.
INNER NUT	Z-E540	Eaton 820394 Spicer M10HN101 Std. Forge 103103-002 Rockwell 1227-C-549	3 ¹³ / ₁₆ "	2 ⁵ / ₈ " -16	3/8"	-	-
OUTER NUT	Z-E572	Eaton 820395 Spicer M10HN102 Std. Forge 103102-001 Rockwell 1227-B-756	3 ¹ / ₄ "	2 ⁵ / ₈ " -16	3/8"	-	-
LOCK WASHER	Z-E573	Eaton 820396 Spicer M10HN100 Std. Forge 105107 Rockwell 1229-V-1660	NOTE: Used With All Standard Depth Axle Keyway (long hub)		1/4"	3 ¹⁵ / ₁₆ "	2 ⁴¹ / ₆₄ "
TAB LOCK	Z-E2237	Std. Forge 105106	A = 5/32" long		.060	4 ¹ / ₃₂ "	2 ⁴¹ / ₆₄ "

ROCKWELL, SPICER, & STD. FORGE 11,000 LB. AXLES



DESCRIPTION	PART No.	REPLACES	ACROSS FLATS	THREAD SIZE	THICKNESS	O.D.	I.D.
LOCK WASHER	Z-E1000	Rockwell 1229-T-462 Spicer M10HN130 Std. Forge 105109	-	-	.062	2 ⁷ / ₈ "	1 ¹ / ₂ " x 1 ³ / ₈ " D Hole

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STEERING AXLE SPINDLE NUTS

ROCKWELL FD-900, FD-901, FE-900, FF-901, FF-931 AXLES



DESCRIPTION	PART No.	REPLACES	ACROSS FLATS	THREAD SIZE	THICKNESS	O.D.	I.D.
WASHER	Z-E2298	Rockwell 1229-F-474	-	-	1/32"	3"	1 17/32"

DRIVE AXLE SPINDLE NUTS

ROCKWELL "F" SERIES AXLES



INNER NUT



OUTER NUT

DESCRIPTION	PART No.	REPLACES	ACROSS FLATS	THREAD SIZE	THICKNESS	O.D.	I.D.
INNER NUT	Z-E2417	Rockwell 1227-U-515	3 1/2"	2 1/2" -16	5/16"	-	-
OUTER NUT	Z-E2419	Rockwell 1227-D-446	3 1/2"	2 1/2" -16	5/16"	-	-