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Ragsdale Parts Catalog

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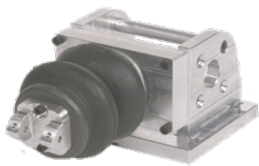
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OKL Products
Identifier Page (Ragsdale Bodymaker)



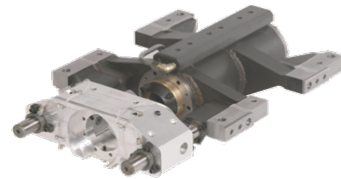
Ragsdale Bodymaker



Air Cylinder Retrofit
Air Bag Assembly



Aluminum Rocker Arm



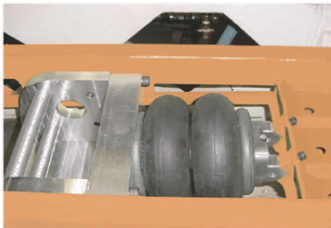
Linear Guidance
System (LGS)



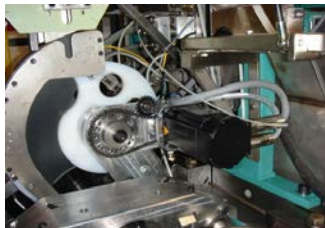
Aluminum Redraw Idler



Aluminum Parallel Motion
Assembly (APMA)



Air Bag & Pushrod
Assembly



Servo Driven
Rotary Cup Feed



Mist Enclosure &
Unloader Assembly

Special Run / New Design Parts & Assemblies

OKL designs, manufactures, and supplies parts for both the CAN INDUSTRY or NON CAN INDUSTRY. We enjoy working with our customers, making parts to their specifications and reverse engineering components requested.

Research and Development

OKL has both field service and engineering resources enabling us to provide in-plant trouble shooting, and in depth solutions to Production, Process, or Design problems.

Frequently Asked Questions

Q: Why should I purchase OKL Engineering, Inc. parts instead of OEM parts?

A: OKL Engineering, Inc. manufactures high quality replacement parts at a lower cost than the OEM. Also, OKL has improved many of the OEM designs, making parts stronger, more efficient, and less costly to produce. Our focus is to provide the best performance, quality, and value to our customers.

Q: In today's market, it is common for can-making plants to place rush or "emergency status" orders. How does OKL Engineering deal with this trend?

A: OKL Engineering approaches this business need in its daily operations in three ways. First, OKL has its priority set on fulfilling the needs of our customers. Therefore, our inventory system is focused on targeting appropriate production levels based on past maintenance history for each customer. Second, OKL can respond to unique maintenance needs through our field service group, which can be dispatched to customers overnight if necessary. Finally, our manufacturing has adjustable shifts allowing "emergency" runs of parts not on the shelf.

Q: What are some of the new products that have been developed by OKL Engineering, Inc.?

A: OKL Engineering is constantly working to improve part designs to make them more dependable. Our Linear Guidance System (LGS) uses a new technology that makes the old hydrostatic ram guidance technology obsolete. Our Aluminum Parallel Motion Assembly (APMA) uses a new high strength, lightweight aluminum to increase speed and reduce maintenance. Our Servo-Driven Rotary Cup Feed (SRCF) now uses a servo motor chain drive instead of using a gear box or two pulleys and a belt. Our Redraw Airbag was designed to replace the redraw air cylinder from the OEM, which is very expensive and hard to maintain. Currently OKL is manufacturing a line of Standum products that are available, expanding OKL's customer base and also taking note that the OEM's are beginning to duplicate OKL's designs.

Machine List

Turning:

HAAS SL20

Romi M20 Combo Lathe with automated tool turret

Victor Manual Control Lathe

Victor Manual Control Lathe

20" diameter x 60" capacity

16" diameter x 40" capacity

20" diameter x 80" capacity

Vertical Machining:

(3) Haas VF-3 Machining Centers

(2) Haas VF-4 Machining Center with high speed spindle

(2) Prototrak Milling Machines with 2 axis control

(2) Supermax Milling Machines

20" x 40" table

20" x 50" table

10" x 50" table

9" x 16" table

Horizontal Machining:

De Vlieg 3H-72 Boring Mill with CNC control

Wotan B-80 Boring Mill with 3" spindle

36" x 72" table

39" x 48" power rotary table

Grinding:

Bryant ID Grinder

Cincinnati Filmatic OD Grinder

Kent Surface Grinder

Landis OD Grinder

CNC Bryant Lectraline LL3

1.25" - 6" bores

10" diameter x 12" capacity

16" x 40" magnetic chuck

14" diameter x 72" capacity

8" diameter x 6" length



Service Rates

Day #1- On	Inside U.S.	Outside U.S.
(10) Hours Per Day (Minimum) Flat Rate	\$80 per hour = \$800 per day	\$80 per hour = \$800 per day

Accommodation Charges		
Airline Transportation	Cost of Airline Ticket	Cost of Airline Ticket
Car Rental Per Day	Cost of Car Rental	Cost of Car Rental
Motel Per Day	Cost of Motel	Cost of Motel
Airport Parking Per Day	\$26.00 Per Day	\$26.00 Per Day
Daily Food Allowance Per Day	based on IRS rates	based on IRS rates
Travel Time	\$70.00 Per Hour	\$70.00 Per Hour
Transportation Via Personal Vehicle	\$0.55 Per Mile	\$0.55 Per Mile

There is a 10 hour minimum daily charge for all Service calls.

Training

Training continues to be an extremely important part of the OKL total service package. We have been conducting training classes for many years in our client's facilities. Our recently expanded building is now equipped with training facilities where you can send your personnel for training or re-training. We have several different training programs that meet a wide variety of needs. We offer short review classes, as well as classes for training new apprentices. Call, or fax us, and we will be happy to discuss your unique needs and how we can help.

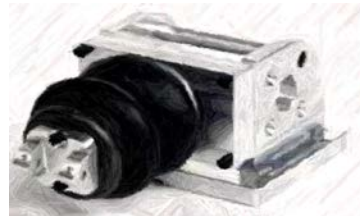
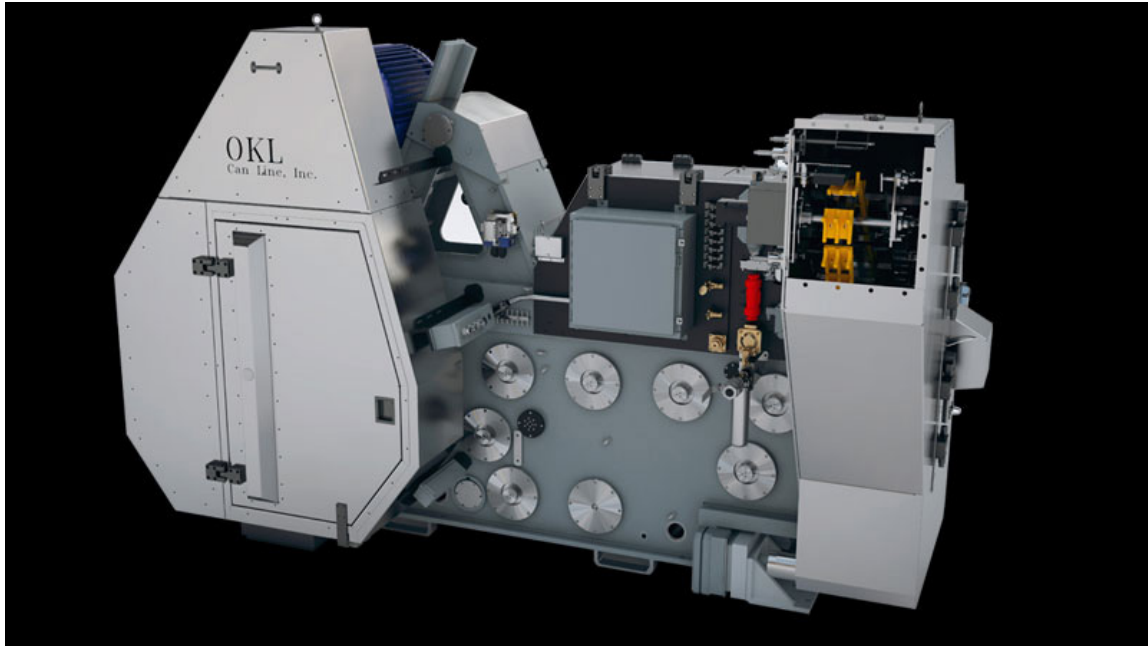


Bodymaker Training

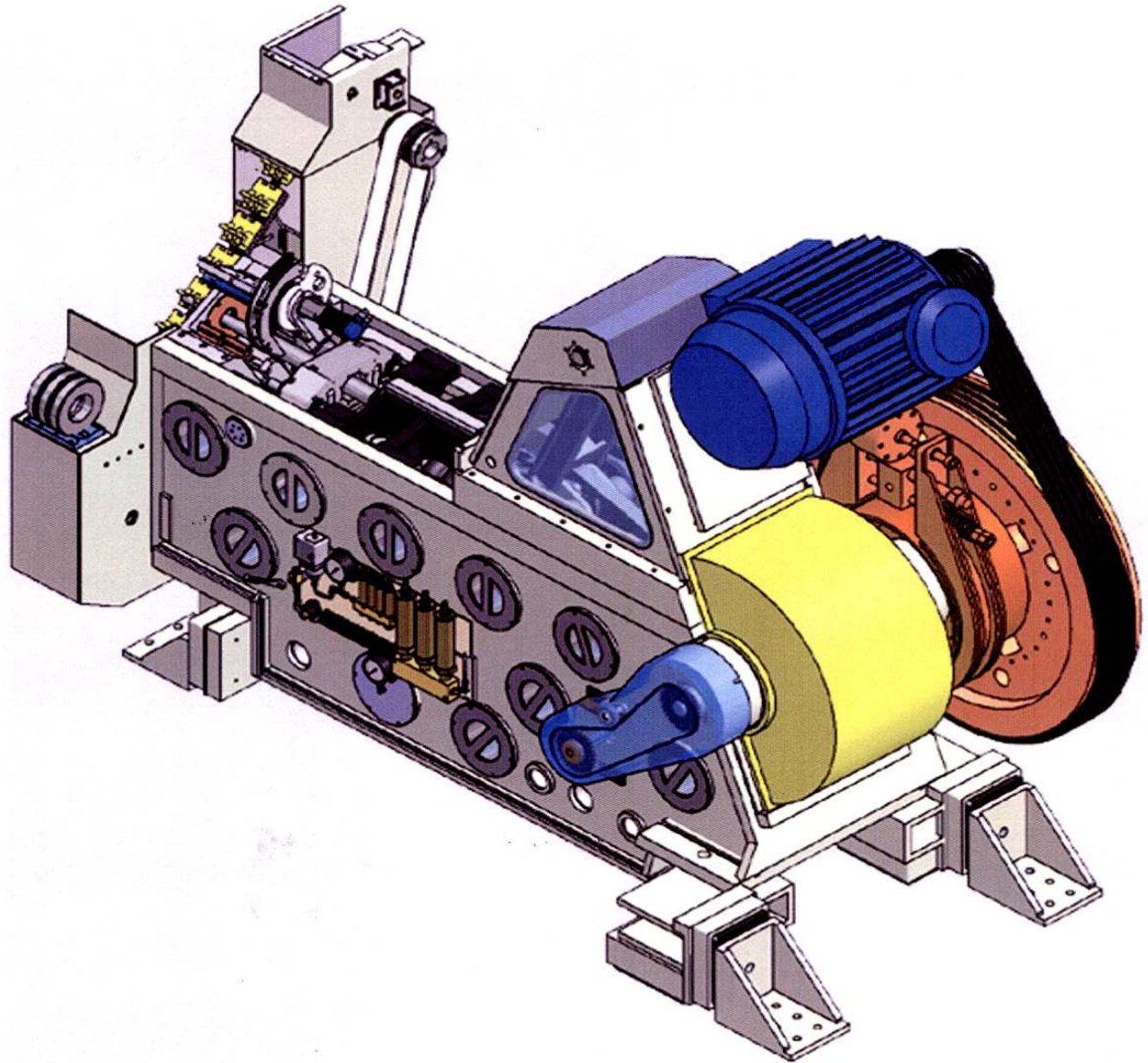
In House Training	Price	
In house training at OKL for (4) people	Service-Training at OKL	contact OKL
- Includes: Instructor & use of OKL Trainer Unit		
-Additional week		contact OKL

Call for quotation for in-plant training & bodymaker trainer rental.

OKL's Redesigned Ragsdale Bodymaker



OKL Style Bodymaker



Available Now!

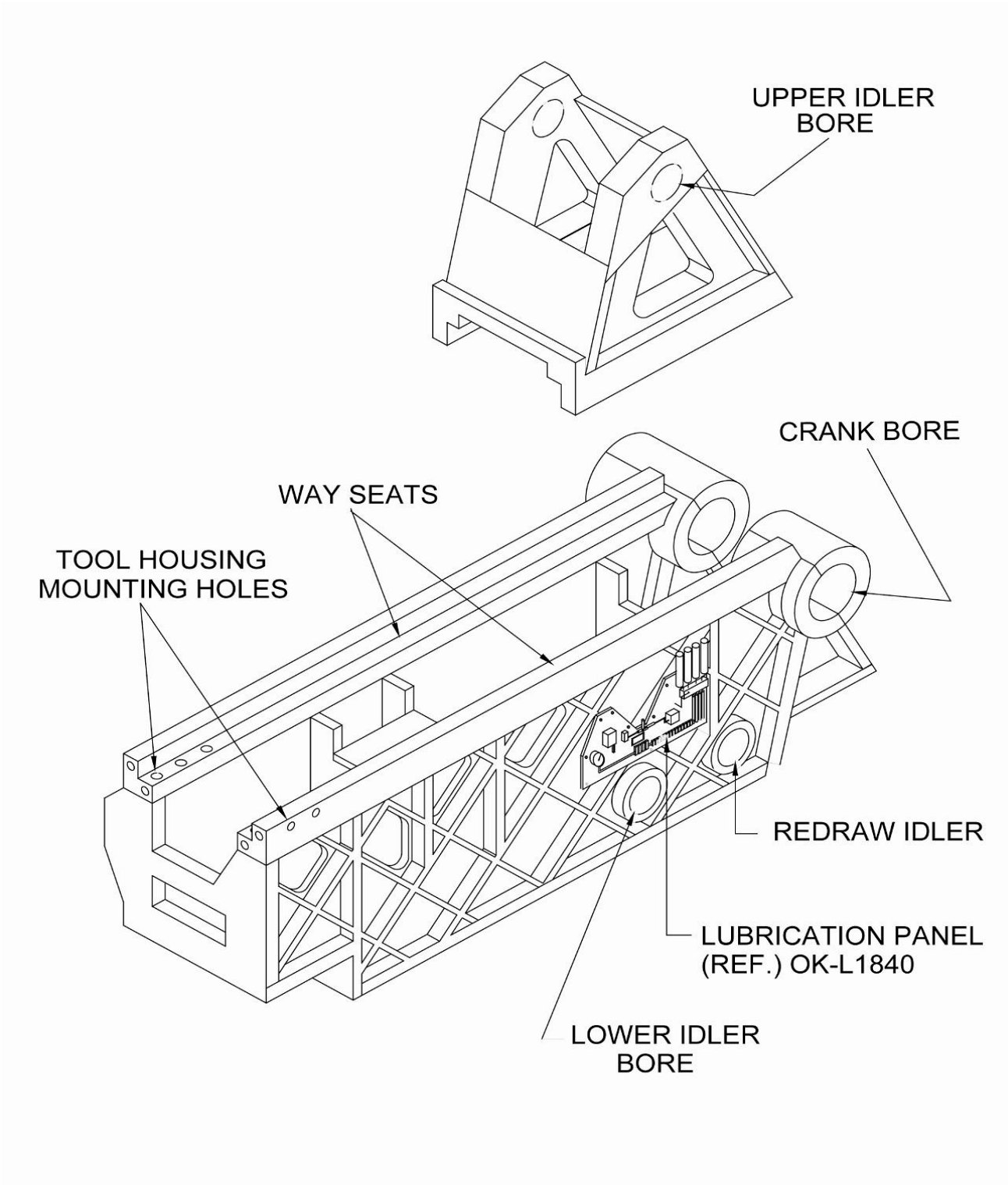
A - Main Frame

Main Frame Rework		Price
Strip, Dip, and Paint		
Inspect Way Seats		
Re-machine Way Seats		
Re-bore Crank Bores		
Sleeve & Re-bore Bearing Cartridge Bores (as needed)		
Repair Tool Housing Mounting Holes		
Standard Main Frame Rework		
Modify Crank Cover for F-B-R Lube Linkage (As needed)		
Modify Main Frame for Disc Brake Assembly (As needed)		
With APMA Modification (As needed)		

New Fabrications		Price
Main Frame (new)		Call for Quote
A-Frame (new)		Call for Quote

Used and Reworked Fabrications		Price
Main Frame - (Used)		Call for Quote
A-Frame - (Used)		Call for Quote

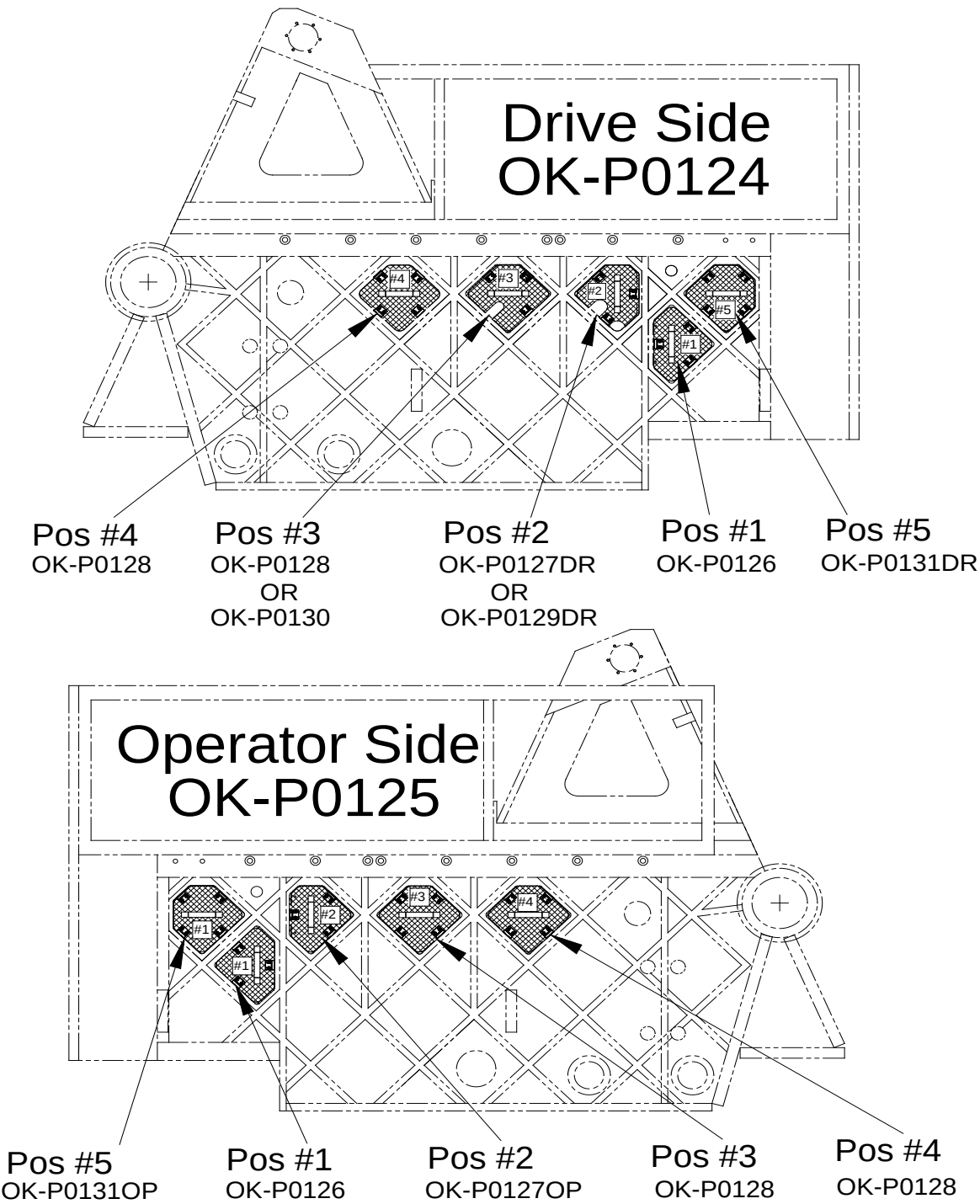
Main and "A" Frame



Main Frame 'Diamond' Guards

Description	OKL Part No.	Price
Bodymaker Diamond Guard Assembly (Drive Side)	OK-P0124	
- Pos #1	OK-P0126	
- Pos # 2	OK-P0127DR OR OK-P0129DR	
- Pos #3	OK-P0128 OR OK-P0130	
- Pos #4	OK-P0128	
- Pos #5	OK-P0131DR	
Bodymaker Diamond Guard Assembly (Operator Side)	OK-P0125	
- Pos #1	OK-P0126	
- Pos #2	OK-P0127OP	
- Pos #3	OK-P0128	
- Pos #4	OK-P0128	
- Pos #5	OK-P0131OP	

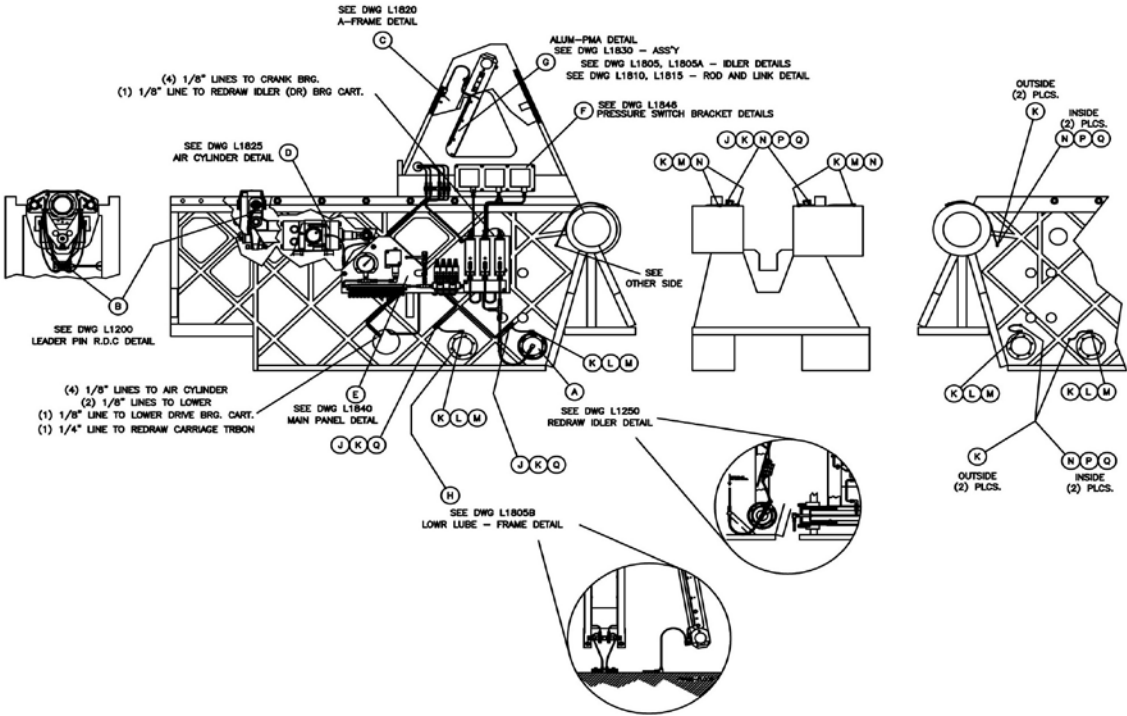
Main Frame 'Diamond' Guards



Main Frame Lubrication Assembly

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
	Call For Pricing & Main Frame Lubrication Options				

Main Frame Lubrication Assembly

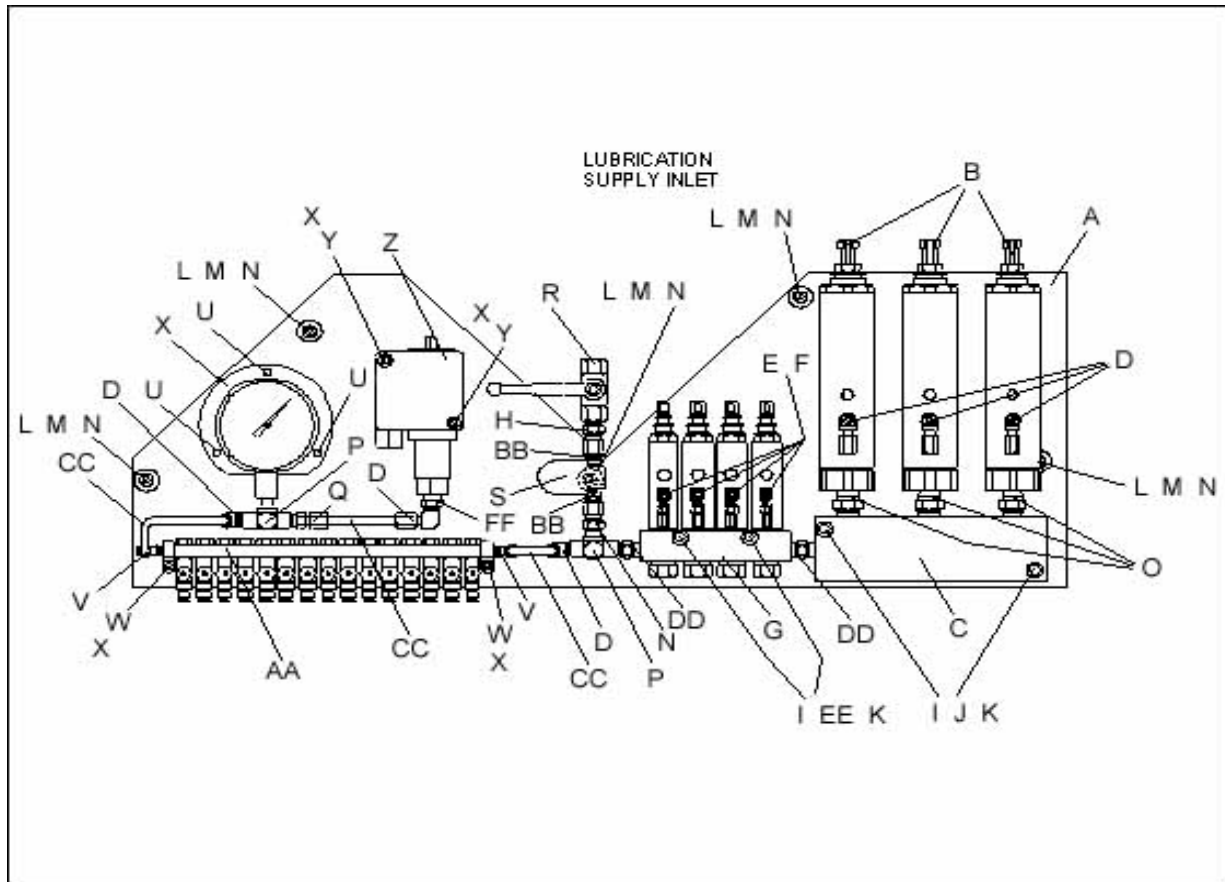


Panel

Main Frame Lube Panel

Item	Description	OKL Part No	Price
A	Lube Panel Plate	OK-L0078	
B	Injector (FL-45)	OK-L0025	
B	Oil Injector, 3-port (FL-44)	OK-L0026	
B	Oil Injector, 15 port (FL-42)	OK-L0027	
B	Repair Kit - FL44 (Lincoln or Farval)	OK-L0028	
B	Repair Kit - FL45	OK-L0029	
B	Replacement - FL42	OK-L0030	
C	Manifold For SL-11 (3-out)	OK-L0050	
D	Fitting - 90 Deg 1/4 npt to 1/4 o.d. compression	-	
E	Fitting - 90 Deg 1/8 npt to 1/8 npt	-	
F	Fitting 1/8 npt to 1/8 o.d. compression	-	
G	Injector Bank, SL-44 (4)	OK-L0066	
H	Adaptor Nipple 1/4 npt to 1/4 npt	FIT0074	
I	SHCS 3/8-16 x 2 1/2" lg.	-	
J	Stand Off	OK-L0052	
K	Lockwasher - 3/8"	-	
L	SHCS 5/16-18 x 5" lg.	-	
M	Stand Off	OK-L0049	
N	Lockwasher - 5/16"	-	
O	Adaptor Nipple 1/2 npt to 1/2 npt	FIT0023	
P	T' Fitting 1/4 npt	FIT0073	
Q	Fitting 1/4 npt to 1/4 o.d. compression	FIT0072	
R	Ball Valve - 1/4 npt	OK-L0007	
S	Solenoid Valve 1/4 npt	OK-L0006	
T	Pressure Gage (0-3000 psi)	OK-L0450	
U	Screw #10-24 x 3/8" lg.	FIT0083	
V	Fitting - 90 Deg 1/8 npt to 1/4 o.d. compression	FIT0005	
W	SHCS 1/4-20 x 3/4" lg.	-	
X	Lockwasher - 1/4"	-	
Y	SHCS 1/4-20 1 1/2" lg.	-	
Z	Pressure Switch	OK-K0530	
AA	Injector Bank - SL42 (15 out)	83311-15	
BB	Swivel 1/4 npt to 3/8 npt	-	
CC	1/4" hydraulic tubing	1/4" HYD TUBING	
DD	Adaptor Nipple 1/4 npt to 3/8 npt	-	
EE	Standoff	OK-L0051	
FF	Adaptor 3/8 to 1/4	-	
Repair Kits			
	FL - 45 Farval	L0029	
	SL -11 Farval	L0004	
	SL - 42 Farval	L0001	
	FL - 44 Farval	L0028	
	SL - 44 Lincoln	L0003	
	SL - 43 Lincoln	L0002	

Main Frame Lube Panel

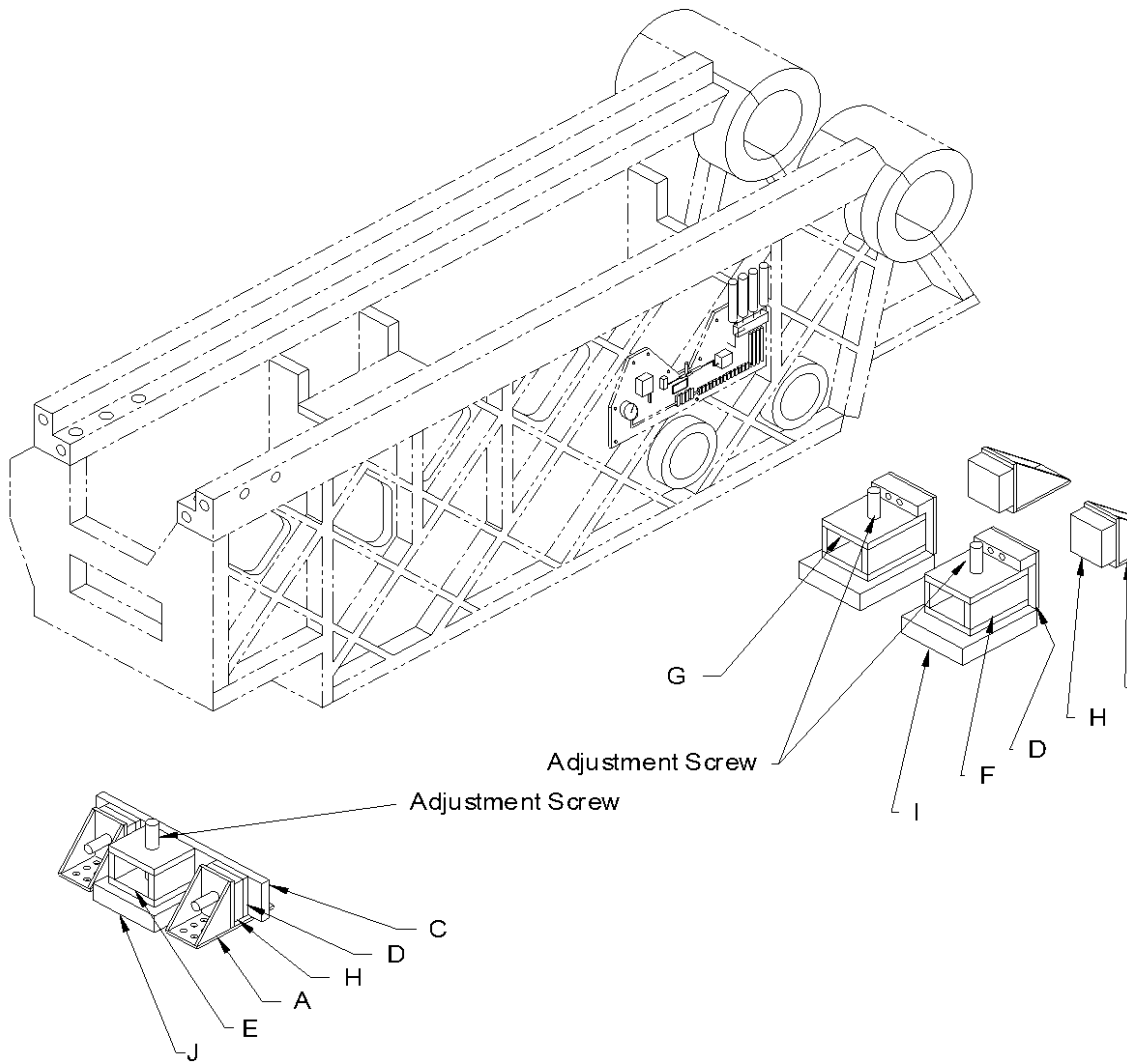


Isolator Mountings

Main Isolator Assembly (OK-P0052)	
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Key	Qty	Description	OKL Part No.	New Part Price Each
A	2	Vibra Front Mounting Bracket	OK-P0053	
B	2	Vibra Rear Mounting Bracket	OK-P0054	
C	1	Front Impact Plate	OK-P0055	
D	14	Bumper Cover Plate	OK-P0056	
E	1	Vibra Front Spacer Plate	OK-P0057	
F	1	Rear Operator Side Spacer	OK-P0058	
G	1	Rear Driver Side Spacer	OK-P0059	
H	4	Micro / Level Isolator Assembly	OK-P0060	
I	2	Micro / Level Isolator Assembly	OK-P0061	
J	1	Micro / Level Isolator Assembly	OK-P0069	

Isolator Mountings



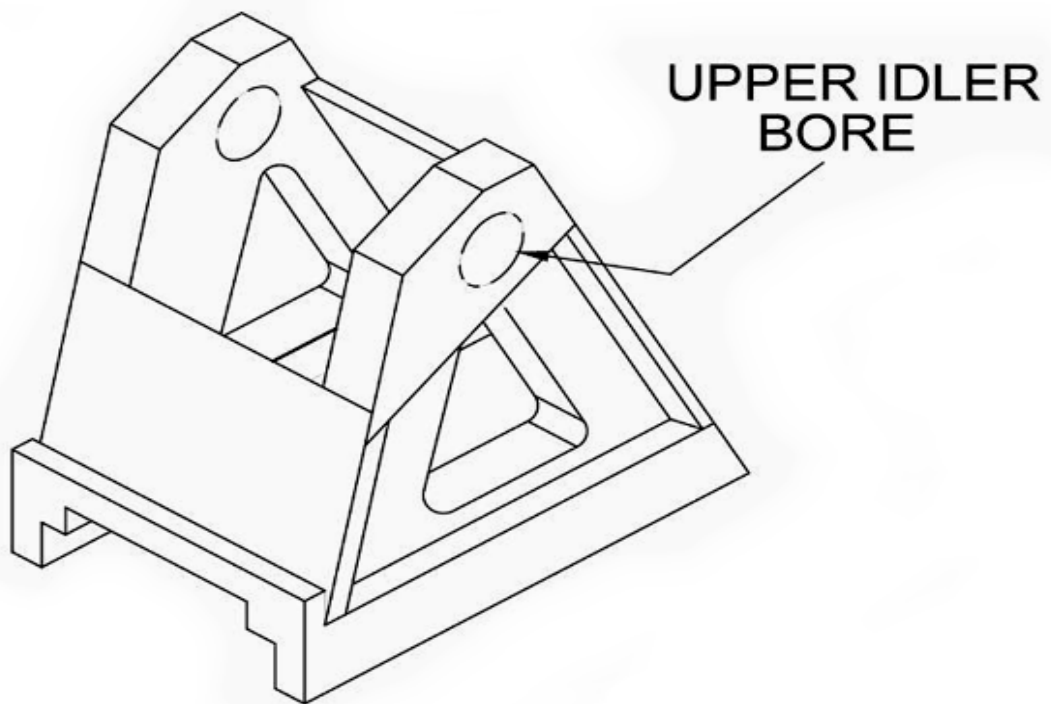
B - "A" Frame

"A" Frame Rework		Price
Standard "A" Frame Rework		

New Fabrications		Price
A-Frame (new)		Call for Quote

Used and Reworked Fabrications		Price
A-Frame - (Used)		Call for Quote

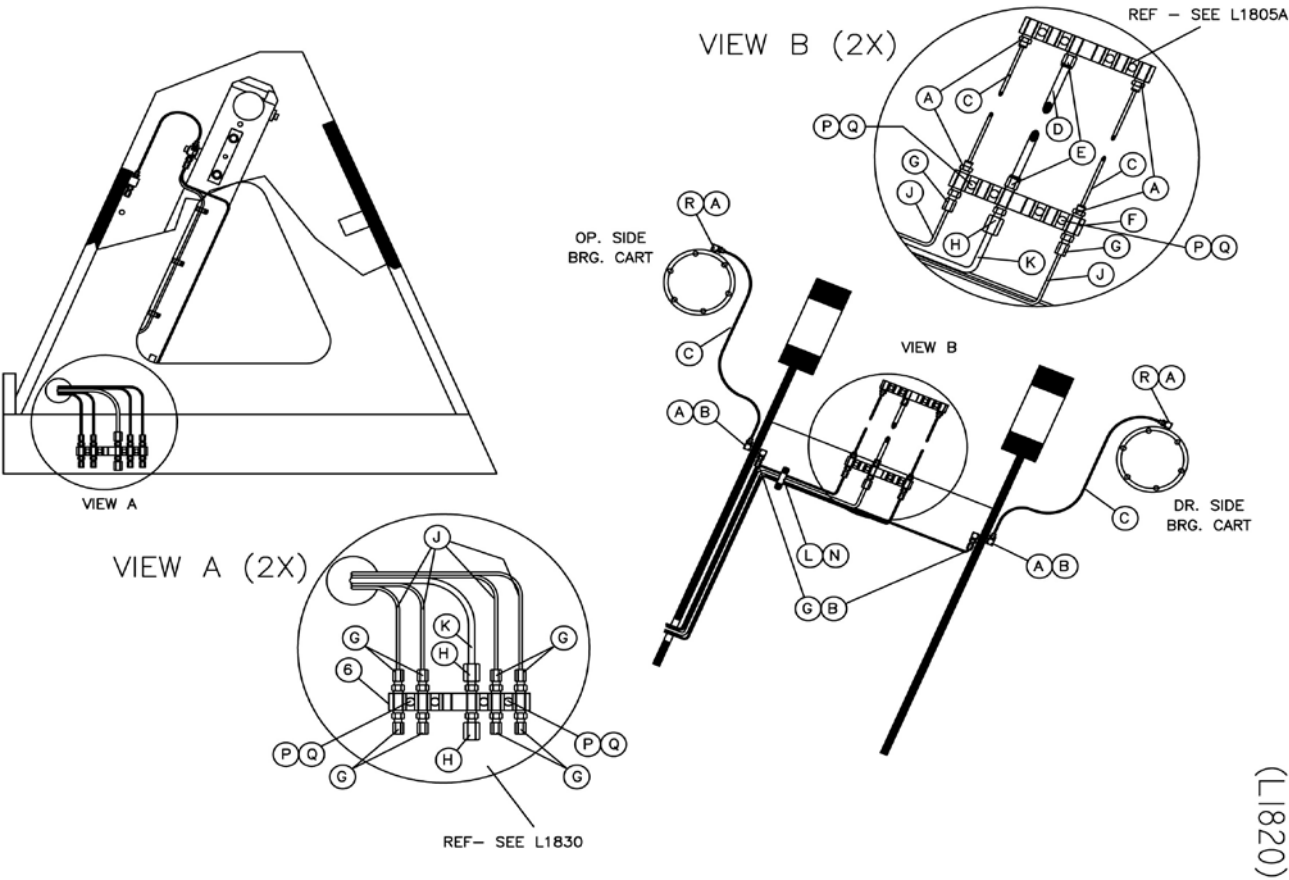
B - "A" Frame



B - "A" Frame Lubrication (LI200)

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Male Connector		FIT0029		
B	Pushlock Fitting		FIT0028		
C	Line Clamp - Single				
D	8-32 x 3/8" Self Tap Screw				
E	Line Clamp - Double				
F	1/8" Polyflow Tubing		OK-L0010		
G	Divider Injection Block		OK-C1310		
H	SNCS 12-24 x 1 3/4" Lg.				
J	Lockwasher # 10				
K	Straight Connector		FIT0072		
L	1/4" Tin Coated Steel Line		Lincoln		
M	90 Degree Adapter		FIT0045		
N	Injector (Not Shown)		OK-L0025		
O	90 Degree Fiting		FIT0052		
P	"T" 1/4" NPT (Not Shown)		FIT0073		
Q	High / Low Switch (Not Shown)		OK-LP0500		
R	Lube Block		OK-L0050		

"A" Frame Lubrication



(L1820)

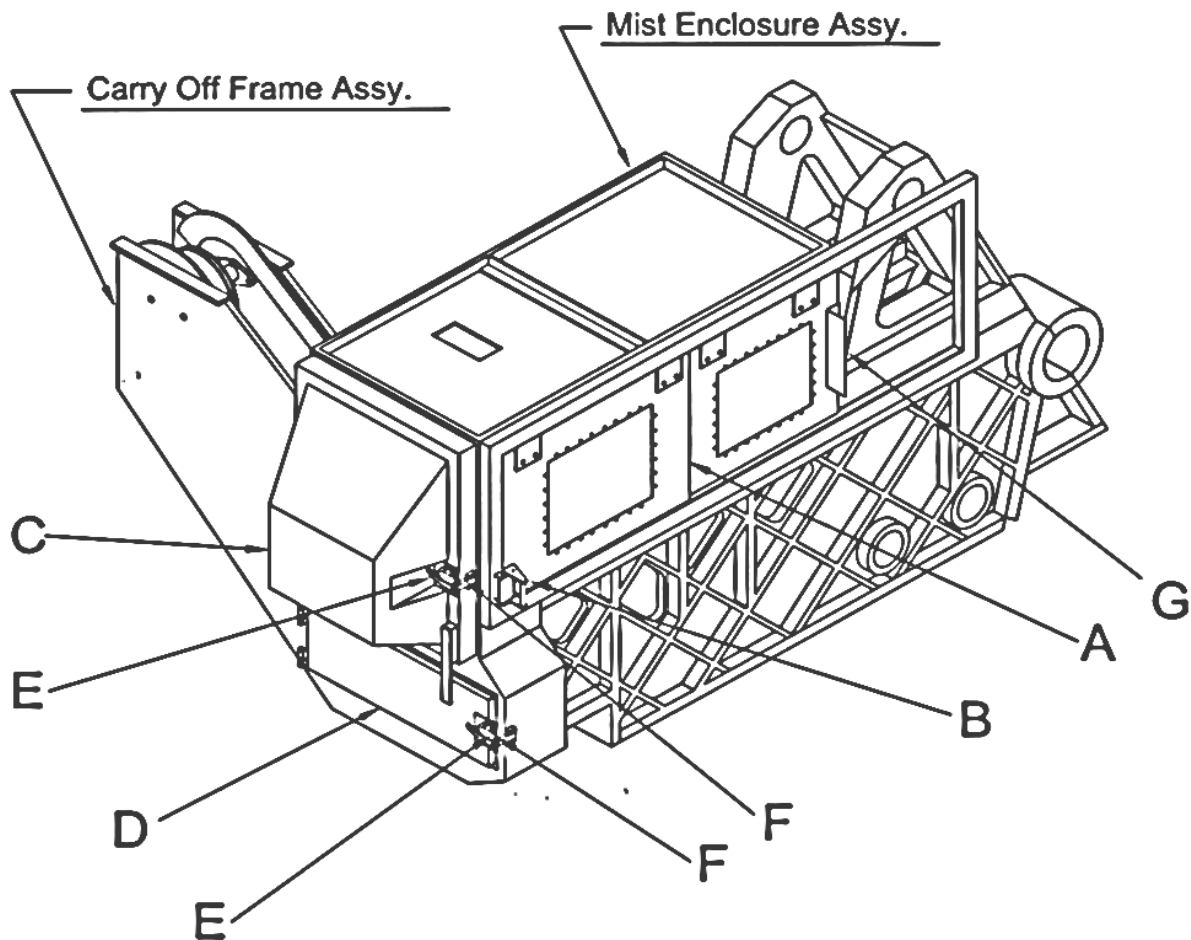
Assembly

C - Mist Enclosure - Standard

Stainless Steel Mist Enclosure Assembly	
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Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Sliding Door Assembly	-	OK-K0450A		-
B	Sliding Door Handle and Brkt.	-	OK-K1090		-
C	Top Door	-	OK-K1400		-
D	Bottom Door	-	OK-K1410		-
E	Door Handle	-	OK-K1050		-
F	Door Handle Catch	-	OK-K1040		-
G					

Mist Enclosure Assembly

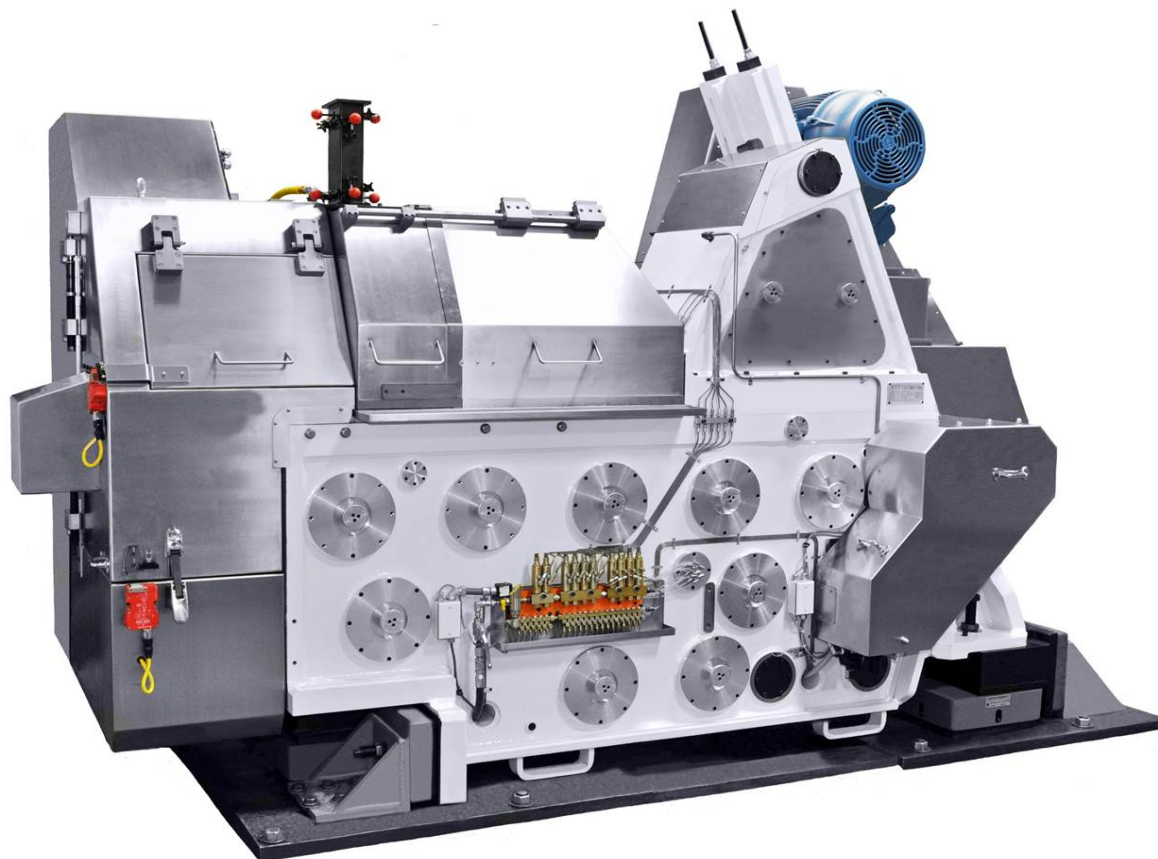


NOTE: The Above Assemblies Are Available In
Standard & Stainless Steel.....Call For Quote.

Mist Enclosure - Stainless Steel

Stainless Steel Mist Enclosure Assembly					Call for quote
Complete Set of Stainless Steel Guarding - OK-K6000					Per Quote
Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
	Complete Set of Stainless Steel Guarding - Bodymaker		OK-K6000	Call For Quote	Call For Quote
	Complete Set of Stainless Steel Guarding - for Belvac Trimmer		OK-K6010	Call For Quote	Call For Quote
	Complete Set of Stainless Steel Guarding - for Irwin Trimmer		OK-K6010A	Call For Quote	Call For Quote
	Stainless Steel Guarding for Trackwork Crossover Bodymaker to Trimmer		OK-K6020	Call For Quote	Call For Quote
	Installation at Customer Site of Stainless Steel Guarding		OK-K6030	Call For Quote	Call For Quote
	Safety Switch Package for Stainless Steel Guard Doors		OK-K6040	Call For Quote	-

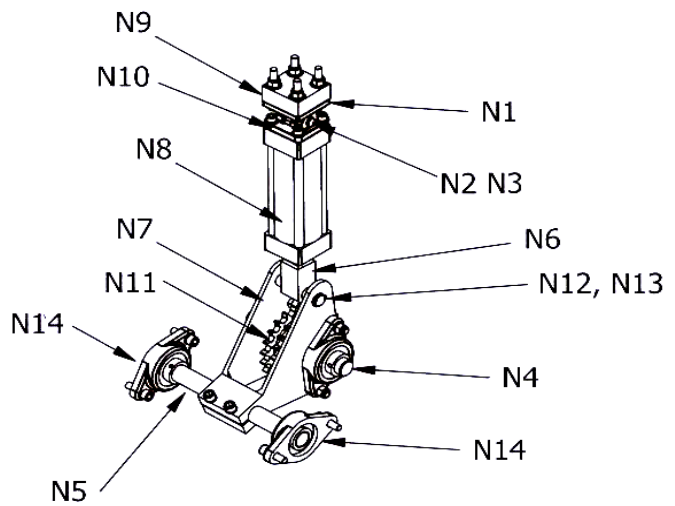
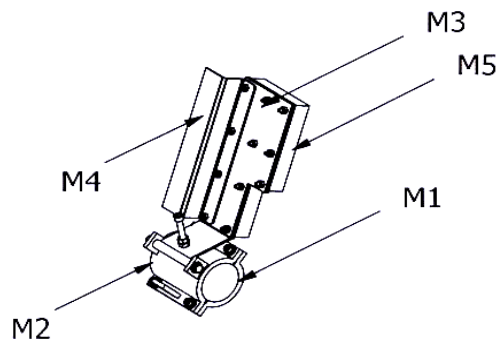
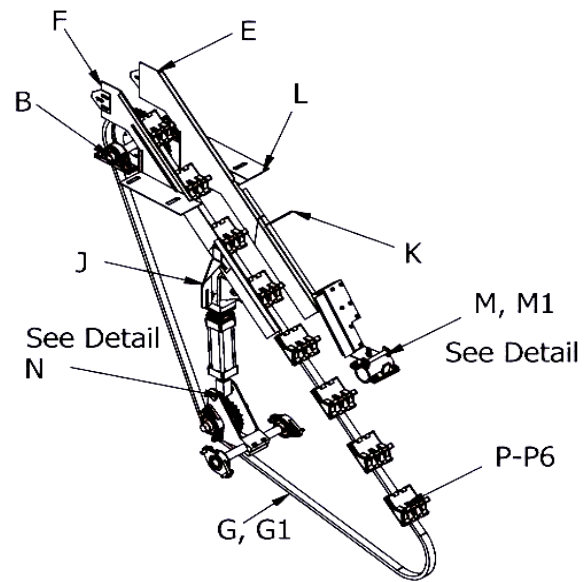
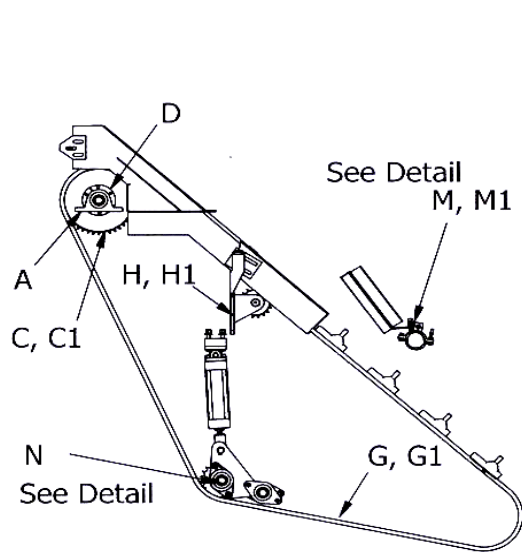
Stainless Steel Mist Enclosure



D - Unloader Assembly

Key	Description	OKL Part Number	New Part Price	Repair Price
A	1" Bore Pillow Block	OK-K0590		
B	Carry-Off Shaft	OK-K0580		
C	Top Sprocket - 42 Tooth	OK-K1422		
C-1	Top Sprocket - 60 Tooth	OK-K1423		
D	1" Taper Lock Bushing	OK-K1421		
E	Carry-Off Guide Back	OK-K0620		
F	Carry-Off Guide Front	OK-K0610		
G	Chain, lug Every 8 Links	OK-K0519		
G-1	Chain, lug Every 10 Links	OK-K0518		
H	Chain Guide Sprocket	OK-K0009		
H-1	Chain Guide, Plastic Skid	OK-P0120A, OK-P0115		
J	Front Mounting Bracket	OK-K0630		
K	Back Mounting Bracket	OK-K0629		
L	Spacer, Carry-Off Guide	OK-K0625		
M	Hold Down Brush Ass'y 2" Dia Strain Rod	OK-K1800		
M-1	Hold Down Brush Ass'y 2.38" Dia Strain Rod	OK-K1800A		
N	Tensioner Ass'y	OK-K7050		
P	Unloader Pocket 211 Dia. Yellow Urethane Snap/Bolt On	Special 46		
P-1	Unloader Pocket 211 Dia. Black Rubber Bolt On	OK-K1500		
P-2	Unloader Pocket 202 Dia. Yello Urethane Snap/Bolt On	OK-K1500A		
P-3	Unloader Pocket 211 Dia. X Black Rubber Snap On	OK-K1500B		
P-4	Unloader Pocket 300 Dia.(10-Link) Black Rubber Bolt On	OK-K1500C		
P-5	Unloader Pocket 211 or 202 Dia. X Stub Yellow Urethane Snap On	OK-K1500D		
P-6	Unloader Pocket 300 Dia. (10-Link Chain) Yellow Urethane Bolt On	OK-K1500E		
M-1	Lower Half, Unloader Brush Clamp	OK-K1810X		
M-2	Upper Half, Unloader Brush Clamp	OK-K1820X		
M-3	Brush Bracket, Unloader Brush Ass'y	OK-K1830		
M-4	Brush Bracket Handle, Unloader Ass'y	OK-K1850		
M-5	Brush, Unloader Bracket Ass'y	OK-K1840		
N-1	Frame Mount for Unloader Cylinder	OK-K0390		
N-2	Clevis Pin, Unloader Tensioner Ass'y	OK-K0391		
N-3	Snap Ring for Clevis Pin, Unloader Tensioner Ass'y	OK-K0392		
N-4	Unloader Tensioner Shaft	OK-K0560		
N-5	Unloader Pivot Shaft	OK-K0570		
N-6	Unloader, Air Cylinder Rod End	OK-K1025		
N-7	Chain Tensioner Bracket Ass'y	OK-K1110		
N-8	Chain Tensioner Cylinder	OK-K1130		
N-9	Unloader, Cylinder Spacer	OK-K1132		
N-10	Unloader, Air Cylinder Tensioner Base	OK-K1135		
N-11	Unloader, Idler Sprocket	OK-K1280		
N-12	Carry-Off Chain Tensioner Hinge Pin	OK-K1290		
N-13	Retaining Ring, 3/4" O.D. Pin	OK-K1291		
N-14	1" I.D. Flange Bearing	OK-K1430		

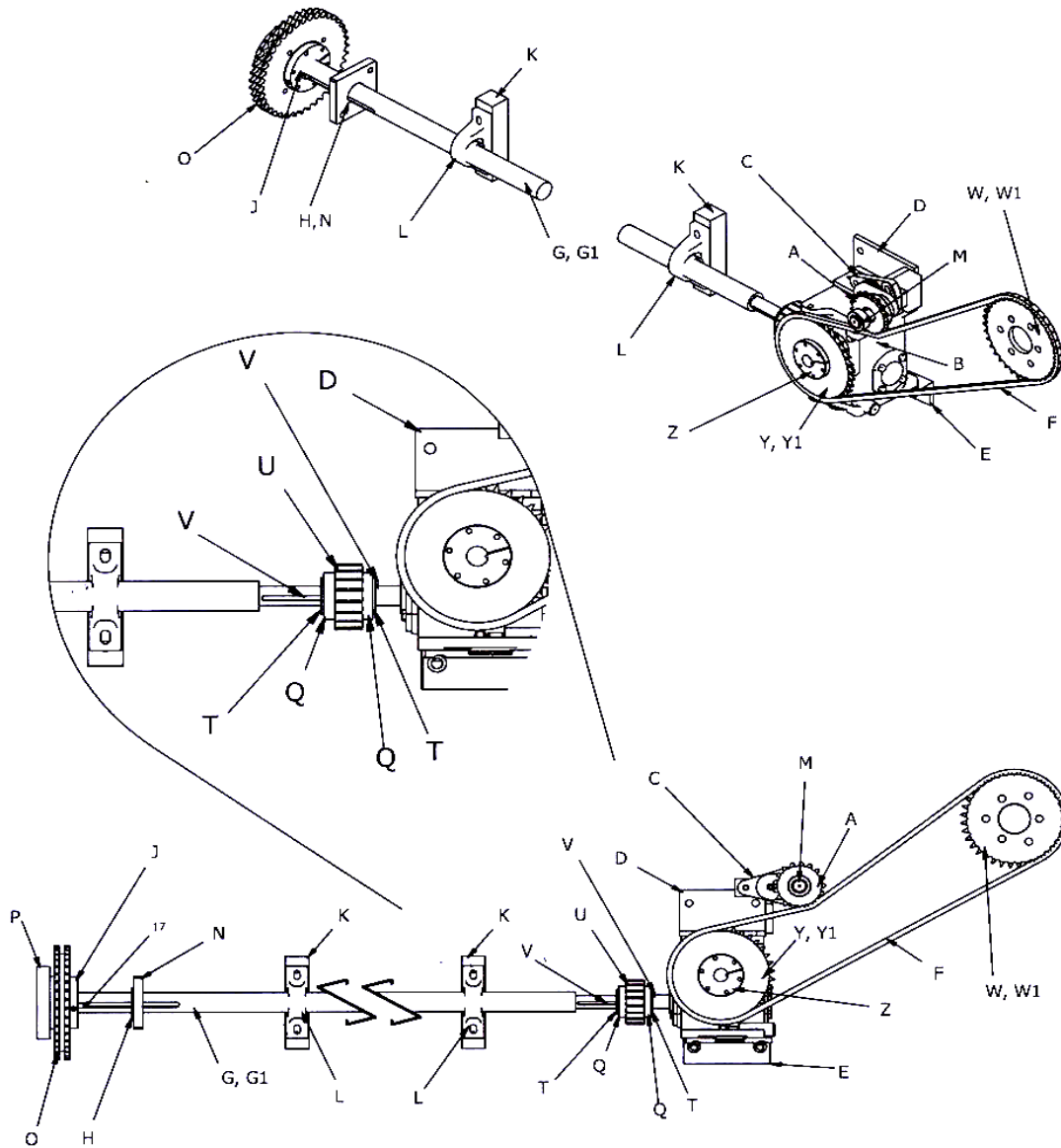
Unloader Assembly



Unloader Drive Assembly

Key	Description	OKL Part Number	New Part Price	Repair Price
A	Tensioner Sprocket w/ Needle Bearing	OK-K0010		
B	Gear Box	OK-K0015		
C	Gear Box Tensioner	OK-K0016		
D	Upper Bracket	OK-K0029		
E	Lower Bracket	OK-K0030		
F	Belt	OK-K0070		
G	Shaft, 18.5" - 24" Stroke	OK-K0100		
G-1	Shaft, 26.5" Stroke	OK-K0100A		
H	Seal	OK-K0370		
J	1-7/16" Bore Bushing	OK-K0370		
K	Spacer	OK-K0490		
L	Shaft Bearing	OK-K0500		
M	Tensioner, Shaft & Locking Ring	OK-K1010		
N	Bearing Case	OK-K1020		
O	Adjust, Drive Sprocket	OK-K1440		
P	Adjust, Sprocket Hub	OK-K1441		
Q	Drive Sprocket	OK-K1445		
S	3/8" x 3/8" x 3" Long key	OK-K1446		
T	1" Bore Bushing	OK-K1455		
U	Plastic Chain	OK-K1456		
V	1/4" x 1/4" x 1" Long Key	OK-K1457		
W	36 Tooth Sprocket (Crank End) for 8-Link Unloader Chain	OK-P0004A		
1-W	40 Tooth Sprocket (Crank End) for 10-Link Unloader Chain	OK-P0004D		
Y	36 Tooth Sprocket (Gear Box) for 8-Link Unloader Chain	OK-P0006A		
	32 Tooth Sprocket (Gear Box) for 10-Link Unloader Chain	OK-P0006D		
Z	3/4" Bore Bushing	OK-P0007A		

Unloader Drive Assembly



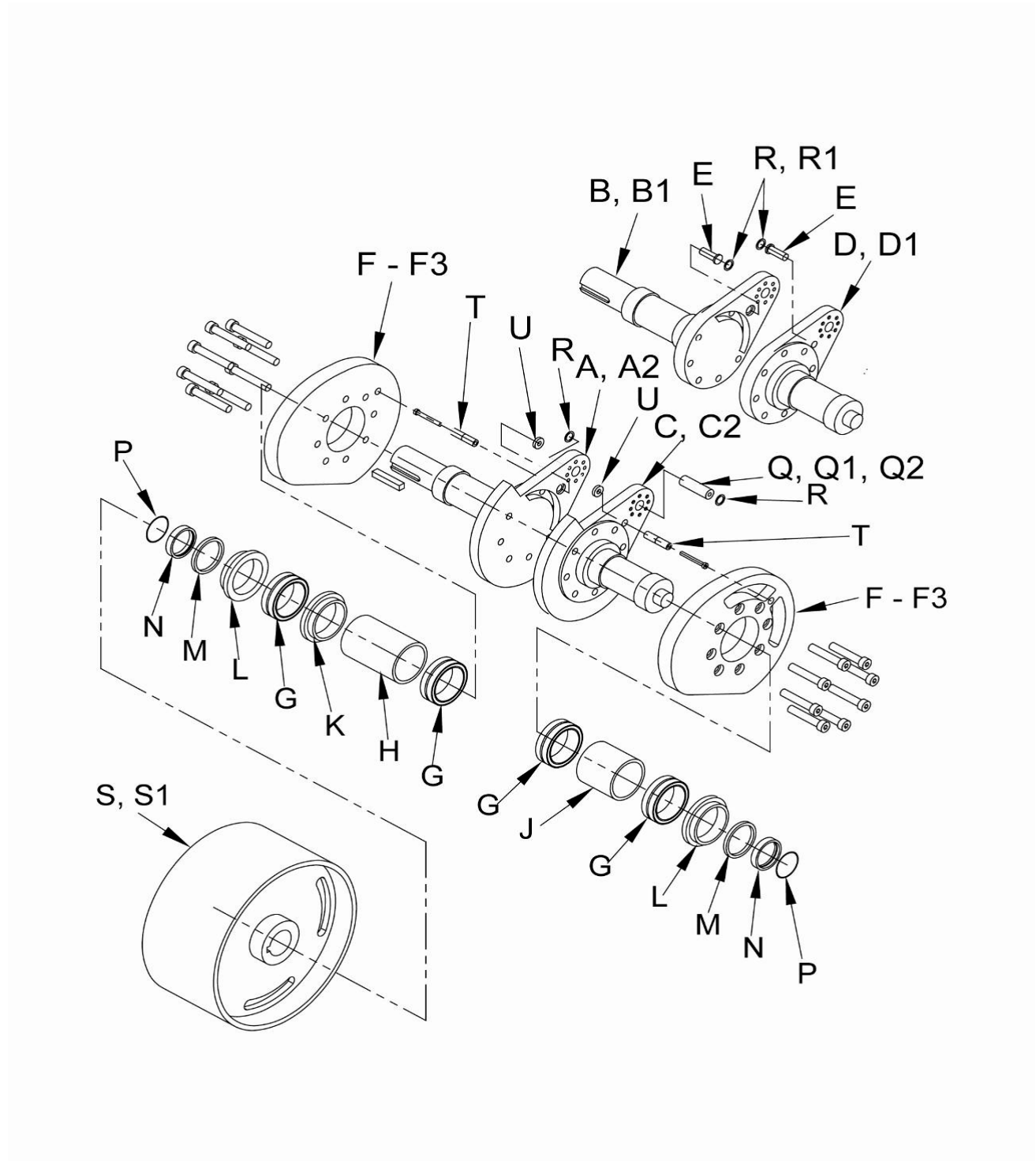
E - Crank Assembly

Assembly	
Includes New Cranks, Redraw Cams, Brake Drum, and all bearings and seals.	

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Crankshaft, Long - 18-1/2" - 1" Pin	112966	OK-H2200		
	Crankshaft, Long - 18-1/2" - 1-1/4" Pin		OK-H2200A		
A1	Crankshaft, Long - 21" - 1" Pin	112982	OK-H3600		
	Crankshaft, Long - 21" - 1-1/4" Pin		OK-H3600A		
A2	Crankshaft, Long - 20"	102104	OK-H0000		
B	Crankshaft, Long - 24" - 1" Pin	113066	OK-H0110		
	Crankshaft, Long - 24" - 1-1/4" Pin		OK-H0110A		
B1	Crankshaft, Long - 26-1/2" - 1" Pin	114525	OK-H0310		
	Crankshaft, Long - 26-1/2" - 1-1/4" Pin		OK-H0310A		
C	Crankshaft, Short - 18-1/2" - 1" Pin	112965	OK-H2300		
	Crankshaft, Short - 18-1/2" - 1-1/4" Pin		OK-H2300A		
C1	Crankshaft, Short - 21" - 1" Pin	112979	OK-H3500		
	Crankshaft, Short - 21" - 1-1/4" Pin		OK-H3500A		
C2	Crankshaft, Short - 20"	102105	OK-H0001		
D	Crankshaft, Short - 24" - 1" Pin	113022	OK-H0210		
	Crankshaft, Short - 24" - 1-1/4" Pin		OK-H0210A		
D1	Crankshaft, Short - 26-1/2" - 1" Pin	114526	OK-H0410		
	Crankshaft, Short - 26-1/2" - 1-1/4" Pin		OK-H0410A		
E	Cam Loc. Pin - 24" & 26-1/2"	114514	OK-H1800		
F	Cam, Redraw - 6 th Gen/Set	113103/4	OK-H1100		
F1	Cam, Redraw - 7 th Gen/Set	112298/9	OK-H1400		
F2	Cam, 20"/Set	-	OK-H1401		
F3	Reconditioned Set of Cams (without Trade-In)		Special 81		
G	Crank Bearing	700110	OK-H2400		
H	Crank Spacer - Long	114511	OK-H0600		
J	Crank Spacer - Short	114513	OK-H0700		
K	Crank Loc. Ring (Oil Seal NOT Required)	114508	OK-H0900		
L	Crank Loc. Ring (Oil Seal Req. NOT Included)	114507	OK-H1000		
M	Oil Seal	770210	OK-H2500		
N	Spacer, Outboard	112102	OK-H0800		
P	O-Ring	770940	OK-H2600		
Q	Crank Pin - 1" Diameter	108154	OK-H1500		
Q1	Crank Pin - 1.25" Diameter		OK-H1550		
Q2	SNK Crank Pin = 38 mm		OK-H1551		
R	Snap Ring - 1" Pin	770030	OK-H2700		
R1	Snap Ring - 1.25" Pin	-	OK-H1560		
R2	SNK Snap Ring		OK-H1552		
S	Brake Drum	-	OK-H0500		
S1	Disc Brake Drum		OK-H0510		
T	Cam Loc. Pin - 18-1/2", 20", & 21"	103328	OK-H1900		
U	Button Nut (For use with OK-H1900)	103407	OK-H1700		
V	Crank Key	-	OK-H3700		

Call for SNK Style Crankshaft Pricing.

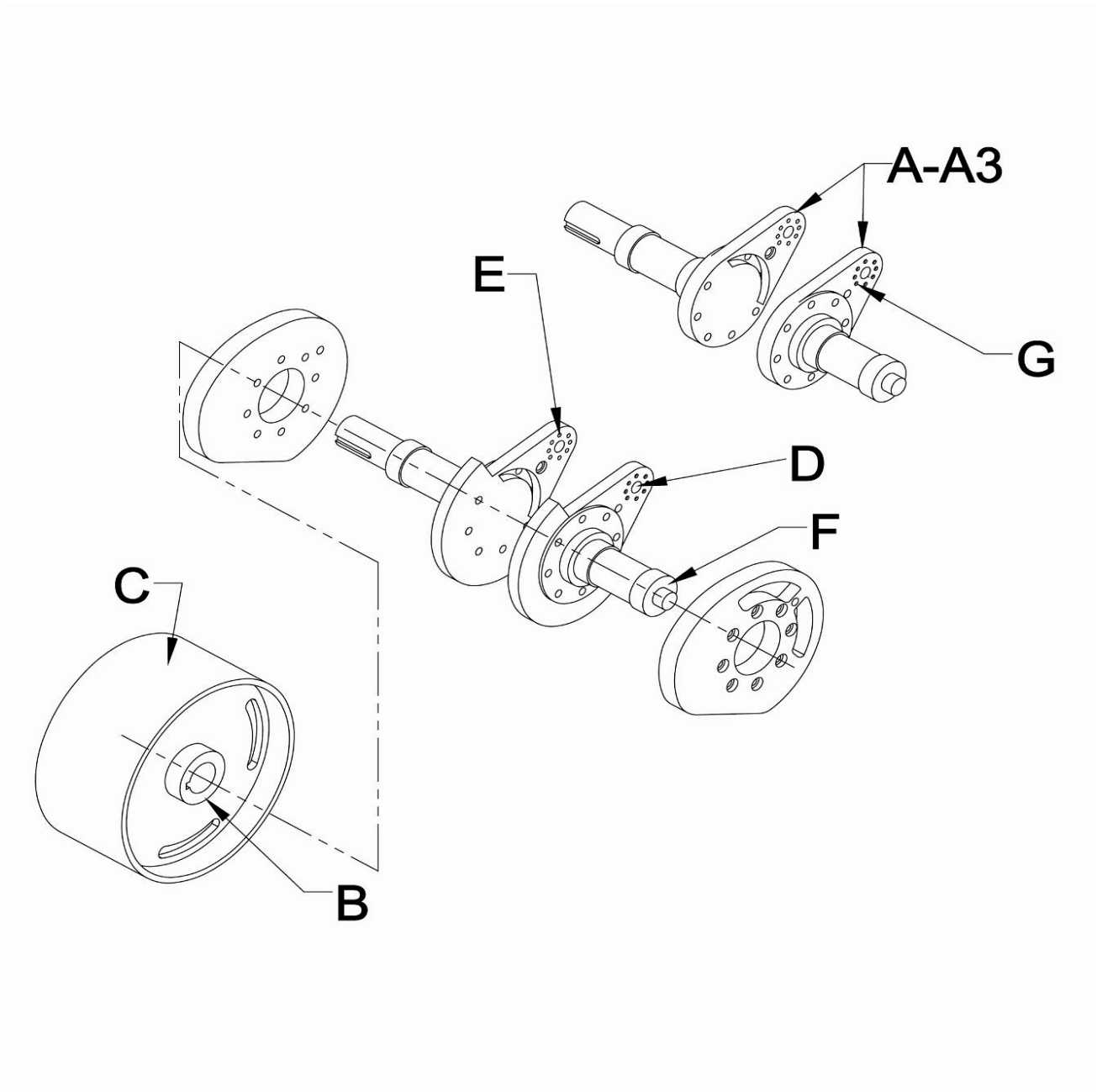
Crank Assembly



Crank Assembly - Rework Options

Key	Rework Options	Price
A	Replace Teardrop - Long 18.5"	Call for quote
A1	Replace Teardrop - Long 20", 21", 24", 26.5"	Call for quote
A2	Replace Teardrop - Short 18.5"	Call for quote
A3	Replace Teardrop - Short 20", 21", 24", 26.5"	Call for quote
B	Repair Bearing Surface of Brake Drum	Call for quote
C	Repair 24" Dia or 4.500" ID of Brake Drum	Call for quote
D	Repair Crank Pin Bore in Tear Drop	Call for quote
E	Repair 8 Hole Bolt Pattern	Call for quote
F	Repair Bearing Journal on Crank	Call for quote
G	Weld and Skim, Crank Pin Half Surface on Tear Drop (OP or DR)	Call for quote
H	Crank Assembly Repair (Disassemble, clean, inspect, replace bearings and seals, hone and paint brake drum, and reassemble)	Call for quote

Crank Assembly - Rework Options



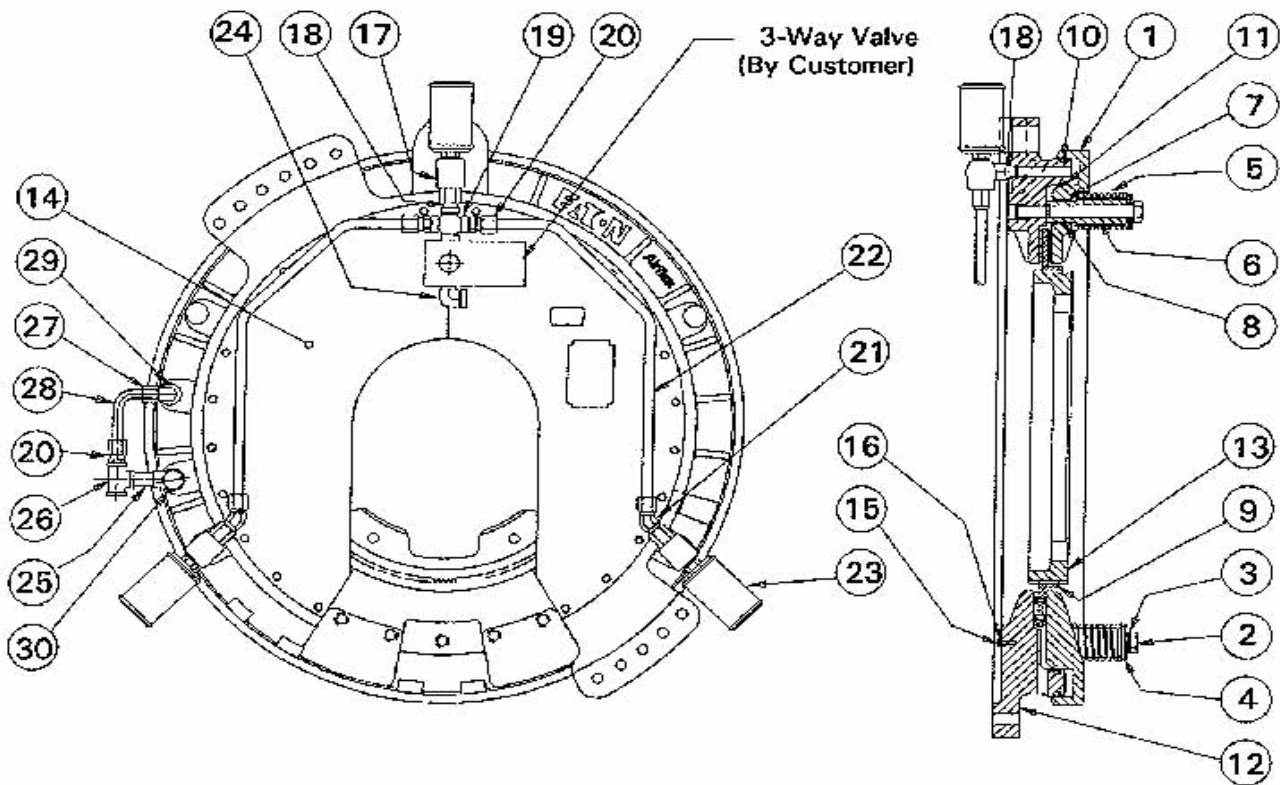
F - Disc Brake & Clutch Assembly (32DBX)

Disc Brake & Clutch Assembly (32DBX)		
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Key	Qty.	Description	OKL Part No.	New Part Price	Repair Price
1	1	Cylinder	OK-H6001		
2	28	Hex Head Screw	OK-H6002		
3	28	Serrated Safety Washer	OK-H6003		
4	14	Spring Retainer	OK-H6004		
5	28	Spring Retainer	OK-H6005		
6	28	Clamp Tube	OK-H6006		
7	28	Washer	OK-H6007		
8	28	Bushing	OK-H6008		
9	1	Friction Disc Assembly	OK-H6009		
10	1	Polypak Seal	OK-H6010		
11	1	Polypak Seal	OK-H6011		
12	1	Piston Mounting Flange	OK-H6012		
13	1	Gear	OK-H6013		
14	2	Oil Shield	OK-H6014		
15	24	Hex Head Screw	OK-H6015		
16	24	Serrated Safety Washer	OK-H6016		
17	3	Quick Release Valve	OK-H6017		
18	4	Pipe Nipple	OK-H6018		
19	1	Pipe Tee	OK-H6019		
20	3	Male Connector	OK-H6020		
21	2	Male Elbow	OK-H6021		
22	2	Air Tube	OK-H6022		
23	3	Muffler	OK-H6023		
24	1	90° Street Elbow	OK-H6024		
25	1	Pipe Nipple	OK-H6025		
26	1	Pipe Tee	OK-H6026		
27	1	90° Male Elbow	OK-H6027		
28	1	Tube	OK-H6028		
29	1	Check Valve	OK-H6029		
30	1	Relief Valve - Modified	OK-H6030		

Call For Itemized Price Quotation

Disc Brake and Clutch Assembly (32DBX)



G - Caliper Style Brake and Clutch Assembly

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Brake Combination Drum	507816-01	OK-H0500		See Below
B	Oil Seal	21086-3676	OK-H3400		-
C	Bearing Cone	67885	OK-H3200		-
D	Bearing Cup	67820	OK-H3300		-
E	Flywheel Retaining Plate	410745-06	OK-H1600		-
***H	8-valve Clutch Assembly	142267TP	OK-H3900		
***H1	4-valve Clutch Assembly	145 267LP	OK-H3901		
**J	Replacement Shoe Assy	303055	OK-H3905		-
K	Flywheel	512197	OK-H4000		-
L	Brake Reaction Pin	103283	OK-H3815		-
N	Special Bolts w/Safety Wire	-	OK-H2900		-
P	Artis Shim Pack	-	OK-H2000		-
Q	Flywheel Hub	412841-01	OK-H3965		-
R	Rotary Seal	145107BG	OK-H3961		-
S	Quick Release Valve with Muffler		OK-H3940		-
T	Exhaust Air Tubing-4 out (Not Shown)	-	OK-H3910		-
T1	Exhaust Air Tubing-8 out	-	OK-H3915		-

*The minimum Brake Friction Lining thickness is 0.250". Original thickness is 0.500".

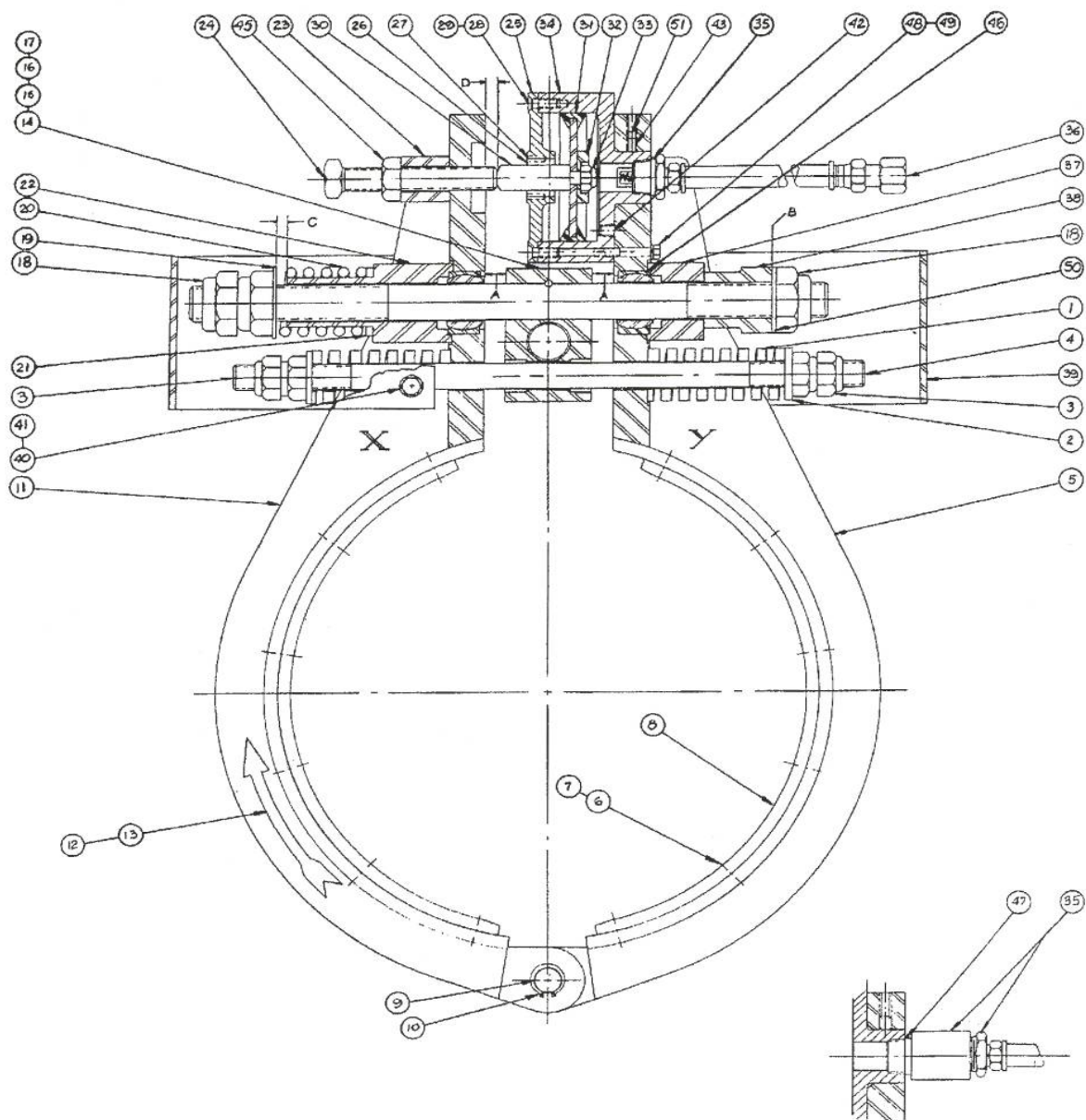
**The minimum Clutch Friction Shoe thickness is 0.062". Original thickness is 0.250".

Conventional Brake Rework	Price
***Brake Shoe Assembly Rebuild Includes: Installation of New Brake Lining with fasteners, (2) Ball Bushings, Piston Rod, Flange Bearing, Piston, Cleaning and Painting.	
****Clutch Assembly Rebuild Includes: Inspection, Replacement of (14) Friction Shoe Assemblies, (28) Shoe Pins,	

Airflex 24CTF500 Brake (Component Parts)

Key	Description	OKL Part Number	New Part Price	Repair Price
-	Complete Assembly	OK-H6200		
1	Spring (Lower)	OK-H6233		
2	Washer	OK-H3835		
3	Stop Nut	OK-H6222		
4	Spring Rod	OK-H6228		
5	Brake Shoe - Front	OK-H6245		
6	Rivet or Flat Head Machine Screw	OK-H6246		
7	Stop Nut	OK-H6248		
8	Friction Block	OK-H6247		
9	Pin	OK-H6256		
10	Snap Ring	OK-H6249		
11	Brake Shoe - Rear	OK-H6250		
12	Decal	OK-H6220		
13	Decal	OK-H6251		
14	Trunnion Assembly	OK-H6223		
18	Stop Nut	OK-H3845		
19	Washer	OK-H6252		
20	Spring	OK-H3855		
22	Spring Sleeve	OK-H6236		
24	Adjustment Bolt	OK-H3890		
25	End Cap	OK-H3865		
26	Bushing	OK-H6253		
28	Screw	OK-H6254		
29	Lockwasher	OK-H6255		
30	Piston Rod	OK-H3876		
31	Piston Rod	OK-H6205		
33	Stop Nut	OK-H6257		
34	Cylinder	OK-H6258		
35	Flow Valve Assembly	OK-H6238		
36	Hose Assembly	OK-H6213		
37	Spacer	OK-H6201		
39	Spring Shield	OK-H3839		
40	Hex Head Cap Screw	OK-H6210		
41	Lockwasher	OK-H6211		
42	Pipe Plug	OK-H3842		
43	Set Screw	OK-H6261		
45	Stop Nut	OK-H3891		
46	Self Aligning Bushing	OK-H6239		
50	Washer	OK-H6230		
51	Jam Screw	OK-H6262		

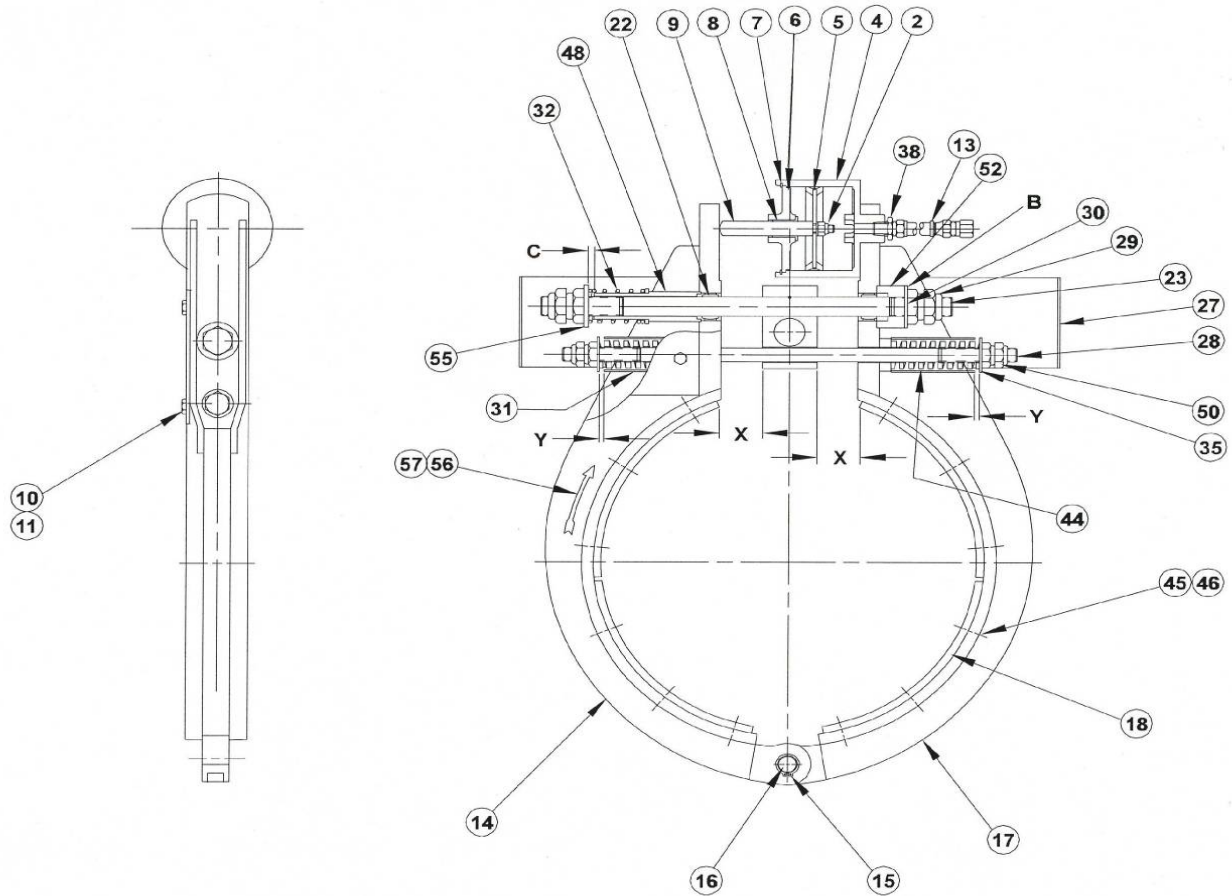
Airflex 24CTF500 Brake (Component Parts)



Airflex 24CTE500 Brake (Component Parts)

Key	Description	Ok! Part Number	New Part Price	Repair Price
	Complete Assembly	OK-H6200A		
2	Hex Head Screw	OK-H6240		
4	Cylinder	OK-H6204		
5	Piston	OK-H6205		
6	End Cap	OK-H6206		
7	Snap Ring	OK-H6207		
8	Flange Bearing	OK-H6208		
9	Piston Rod	OK-H6209		
10	Hex Head Screw	OK-H6210		
11	Lockwasher	OK-H6211		
13	Hose Assembly	Ok-H6213		
14	Brake Shoe	OK-H6214		
22	Bail Bushing	OK-H6239		
23	Trunnion	OK-H6223		
27	Spring Shield	OK-H6227		
28	Rod	OK-H6228		
29	Stop Nut	OK-H6229		
30	Washer	OK-H6230		
31	Spring Tube	OK-H6231		
32	Spring	OK-H6232		
35	Washer	OK-H6235		
38	Flow Valve Assembly	OK-H6238		
44	Spring	OK-H6233		
45	Button Head Screw	OK-H6226		
46	Stop Nut	OK-H6225		
48	Spring Sleeve	OK-H6236		
50	Stop Nut	OK-H6222		
52	Sleeve	OK-H6201		
55	Washer	OK-H6244		
56	Decal (Drum Rotation)	OK-H6244		
57	Decal (Drum Rotation)	OK-H6220		

Airflex 24CTE500 Brake (Component Parts)

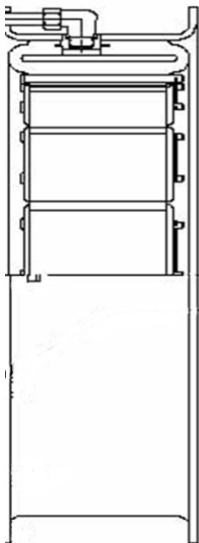
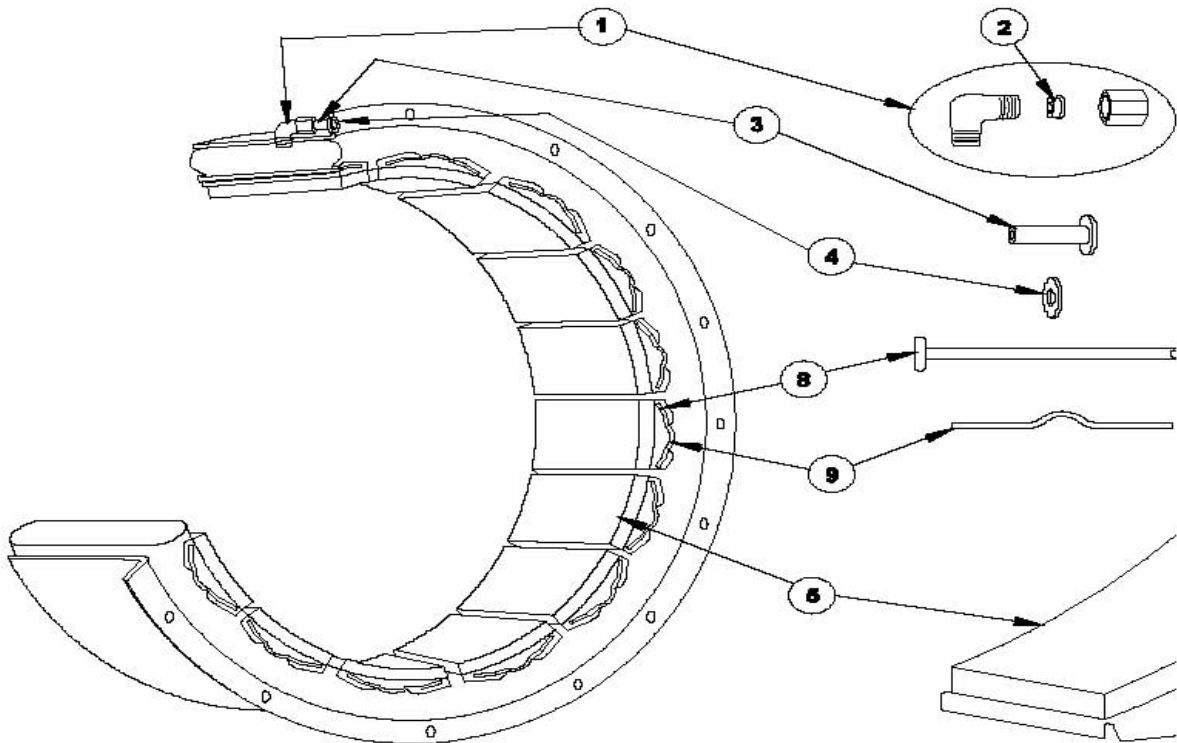


Component Parts for Type CB Element (Clutch Replacement Parts Listing)

CB Element Clutch	OK-H6100
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Key	Description	OKL Part No.
1	Elbow Assembly	OK-H6101
1A	Optional - Quick Release Valve Assembly	OK-H6101A
1B	Optional - Quick Release Valve Muffler	OK-H6101B
2	Compression Ring	OK-H6102
3	Air Connection Tube	OK-H6103
4	Air Connection Gasket	OK-H6104
5	Friction Shoe Assembly	OK-H6105
6	Air Tube Group (Dual Mounted)	OK-H6106
7	Spacer Group (Dual Mounted)	OK-H6107
8	Shoe Pin	OK-H6108
9	Lockwire	OK-H6109
5,8,9	Friction Shoe Replacement Kit	OK-H6110

Component Parts for Type CB Element
(Clutch Replacement Parts Listing)



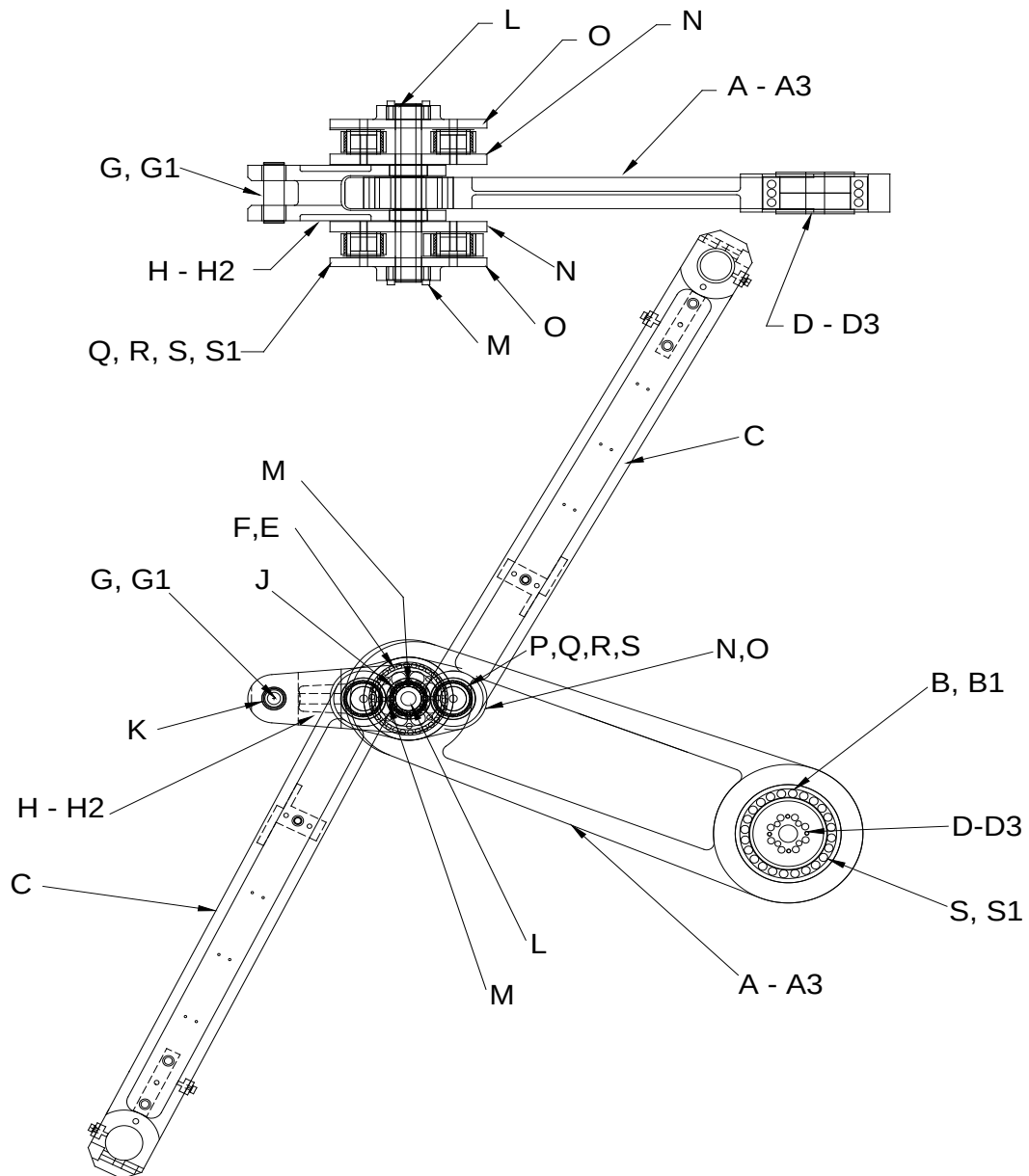
(APMA)

H - Aluminum Parallel Motion Assembly (APMA)

Aluminum PMA Assembly				Price
	1	APMA Assy 18.5" - 21" (1.0 dia x 3/8 shcs)	OK-i6001	
	1	APMA Assy 18.5" - 21" (1.25 dia x 1/2 shcs)	OK-i6001A	
	1	APMA Assy 24" - (1.0 dia x 3/8 shcs)	OK-i6000	
	1	APMA Assy 24" - (1.25 dia x 1/2 shcs)	OK-i6000A	
	1	APMA Assy 26.5" - (1.0 dia x 3/8 shcs)	OK-i6002	
	1	APMA Assy 20"	OK-i6005	
	1	APMA Assy 20.5" - (1.25 dia x 1/2 shcs)	OK-i6002A	

Key	Qty.	Description	OKL Part No.	New Part Price	Repair Price
A	1	APMA Connecting Rod 24" Stroke	OK-i6010		-
A1	1	APMA Connecting Rod 18 1/2" Stroke	OK-i6011		
A2	1	APMA Connecting Rod 20" Stroke	OK-i6015		
A3	1	APMA Connecting Rod 26 1/2" Stroke	OK-i6012		
B	1	Rod Bearing - Crank (18.5", 20.0", 21.24)	OK-i6020		-
B1	2	Rod Bearing - 26.5" Stroke	OK-i6020A		
C	2	Upper / Lower Idler (Universal)	OK-i0210		-
D	2	Crank Pin Half (1" Bore, 3/8" Screws)	OK-i6041		-
D1	2	Crank Pin Half (1 1/4" Bore, 1/2" Screws)	OK-i6040		
D2	2	Crank Pin Half (1" Bore, 7/16" Screws)	OK-i6042		
D3	2	Crank Pin Half (SNK)	OK-i6043		
D4		Crank Pin Half, (1.00" Bore)(Op Side)	OK-i6044		
D5		Crank Pin Half, (1.00" Bore)(Drive Side)	OK-i6045		
D6		Crank Pin Half, (1.25" Bore, 1/2" shcs)(Op Side)	OK-i6044A		
D7		Crank Pin Half, (1.25" Bore, 1/2" shcs)(Drive Side)	OK-i6045A		
E	1	Bearing - Knuckle	OK-i6050		-
F	1	Inner Race	OK-i6060		-
G	1	Ram / Link Pin	OK-i6070		-
G1	1	Pin Assembly for 1 1/8" Connection	OK-Q0913A		
H	1	APMA Connecting Link - 24" Stroke	OK-i6110		-
H1	1	APMA Connecting Link - 18 1/2" Stroke	OK-i6111		
H2	1	APMA Connecting Link 24" Stroke (Steel Can)			
J	2	Bearing - Link	OK-i6120		-
K	2	Bearing - Link (Ram)	OK-i6140		-
L	1	Shaft	OK-i6200		-
M	2	Ringfeder	OK-i6210		-
N	2	Journal (Inside)	OK-i6310		-
O	2	Journal (Outside)	OK-i6320		-
P	4	Bearing - Journal (Inner Radius)	OK-i6330		-
Q	4	PMA Spacer	OK-i0800		-
R	4	Bearing - Idler	OK-i3100		-
S	2	Snap Ring (18.5", 20.0", 21", 24" Stroke)	OK-i4005		
S1	1	Snap Ring (26.5" Stroke)	OK-i6005A		
Ref	1	Adaptor Pin Assy. (2 -Piece @ Clevis)	OK-J4639		-
Ref	1	Lubrication Package - APMA	OK-L1500		
T	1	Spacer Bearing - 26.5" Stroke	OK-i6046	Not Shown	On Print

Aluminum Parallel Motion Assembly (APMA)



J - Parallel Motion Assembly (PMA) Steel Components

Parallel Motion Assembly (PMA)

Includes Knuckle Joint Assembly, all components, lubrication and bearings except (2) Connecting Rod Bearings (R3352-A) which must be supplied by the customer. Parts listed with an asterisk (*) are not included in the assembly.

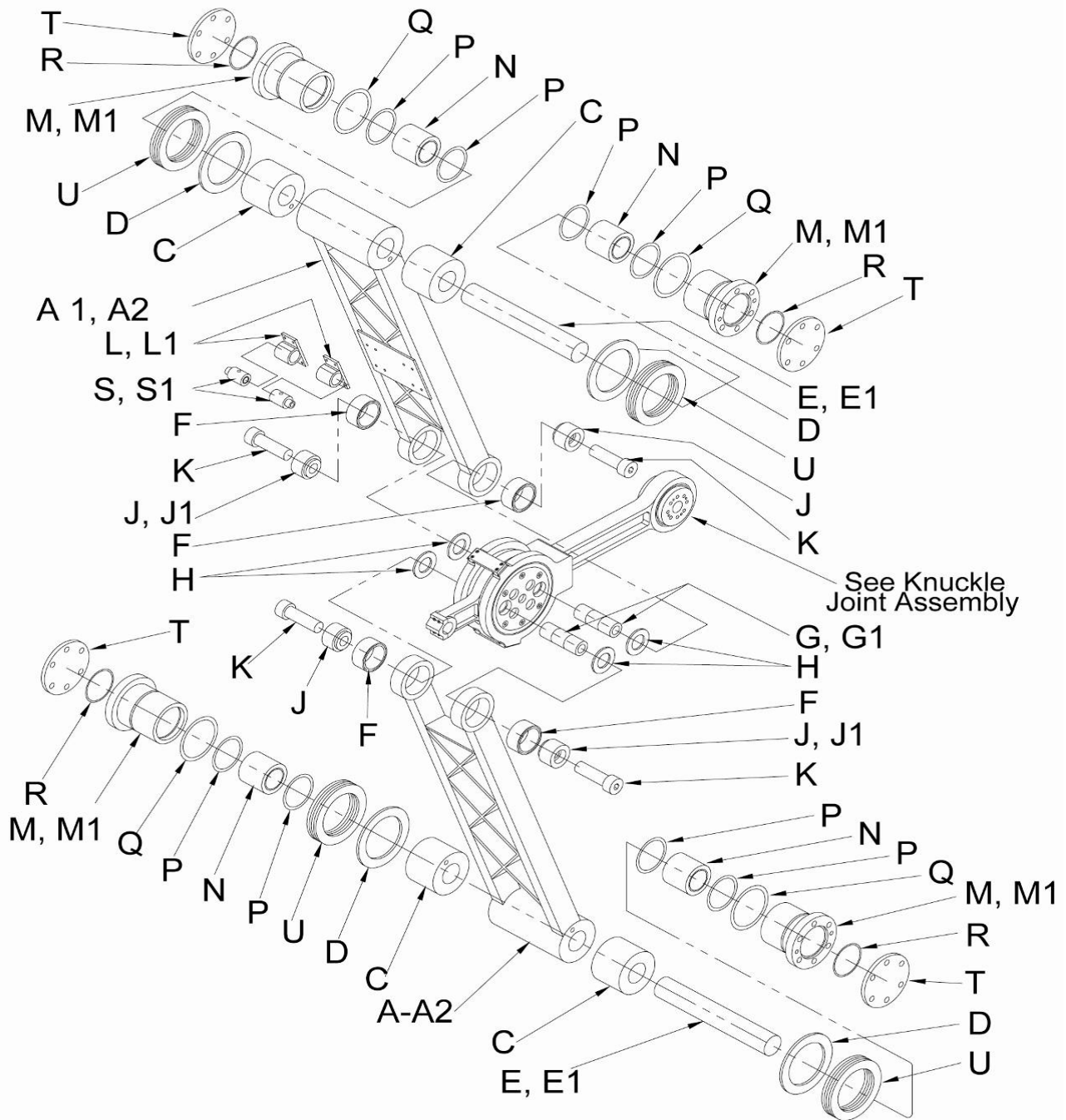
New Parallel Motion Assembly with Clevis Style Connecting Link add

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Upper Idler (Universal)	111933	OK-i0150		
A1	Universal Idler (Aluminum)		OK-i0210		
A2	Upper Idler-(SNK)		OK-i0003		
B	Lower Idler (Universal)	111933	OK-i0150		
*C	Idler Positioner	103575	OK-i2300		
*D	Master Shim (.200" Thick)	-	OK-i2500		-
E	Idler Shaft	102355	OK-C0400		-
*E1	Idler Shaft-(SNK)		OK-i0010		-
F	Idler Bearing	700040	OK-i3100		-
G	Journal Pin	150651	OK-i1500		-
G1	Journal Pin-(SNK)		OK-i1502		
H	PMA Spacer	114532	OK-i0800		-
J	Journal Peg	102285	OK-i1600		-
J1	Journal Peg-(SNK)		OK-i0002		
K	Journal Pin Bolts	742790	OK-i2400		-
*L	Std. Rotary Union Housing	-	OK-i0700		-
L1	Large Rotary Union Housing	-	OK-i2200		-
*M	Bearing Cartridge	102353	OK-C0300		-
M1	SNK to Rag. Brg Cartridge	-	OK-C0350		-
*N	Bearing Standard	700050	OK-C0600		-
*P	Cartridge Snap Ring	770040	OK-C0700		-
*Q	Cartridge O-Ring	770920	OK-C0800		-
*R	Cartridge Face O-Ring	770900	OK-C0900		-
*S	Std. Rotary Union	-	OK-i0705		-
S1	Large Rotary Union	-	OK-i2205		-
*T	Bearing Cartridge Cap	114683	OK-C1000		-
*U	Shim Pack (Includes Item "D")	114682	OK-i2550		-
W	Journal Alignment Tool		OK-i0502		-

Note: See page H & H-1 for new aluminum idlers.

Options	Price
Rebuild Existing Parallel Motion Assembly Includes all bearings except (2) Connecting Rod bearings (R3352-A) which must be supplied by the customer. Includes all lubrication lines and fittings.	-
If Journal Halves (set) need re-chroming and grinding add	-
Lubrication of Upper or Lower Idler add	-
Modify Upper or Lower Idler to Universal Idler	-

Parallel Motion Assembly (PMA) Steel Components



Knuckle Joint Link Assembly

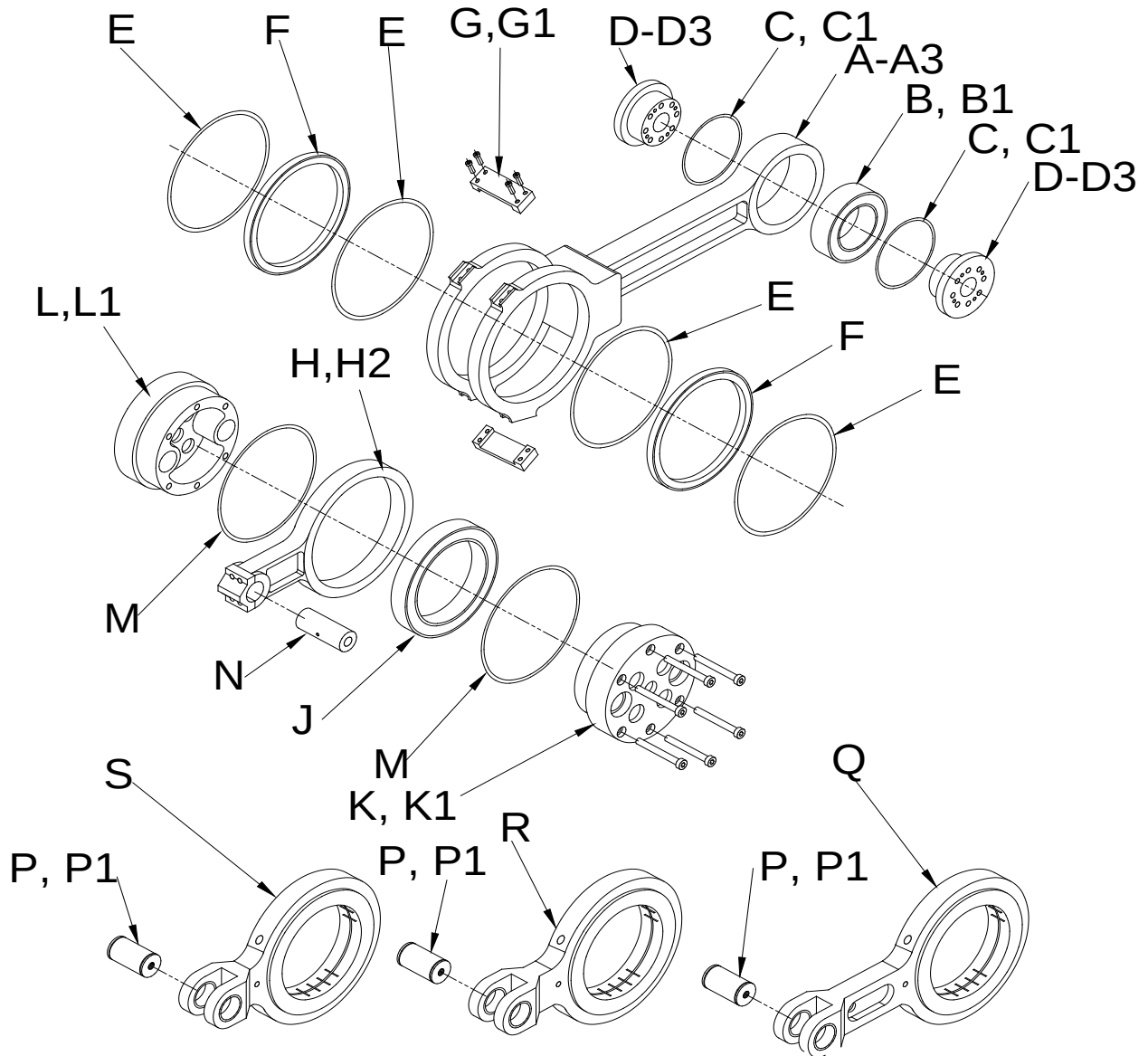
New Knuckle Joint Assembly (PMA w/o Upper or Lower Idlers) Includes all components, lubrication and bearings except (2) Connecting Rod Bearings (F) (R3352-A) which must be supplied by the customer. New Parallel Motion Assembly with Clevis Style Connecting Link add	
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Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Connecting Rod - 18-1/2" - 21"	111333	OK-i2900		
A1	Connecting Rod - 24"	111511	OK-i0300		
A2	Connecting Rod - 26-1/2"	111511	OK-i1000		
A3	SNK Connecting Rod - 24"	-	OK-i0302		
B	Crank Pin Half Bearing - STD	700100	OK-i3200		
B1	Crank Pin Half Bearing - SNK		OK-i4000		
C	Connecting Rod Snap Ring - STD	770010	OK-i2000		
C1	Connecting Rod Snap Ring - SNK		OK-i4005		
D	Crank Pin Half (1" bore, 3/8" screws)	150415	OK-i1700		
D1	Crank Pin Half (1 1/4" bore, 1/2" screws)		OK-i0008		
D2	Crank Pin Half (1 1/4" bore, 7/16" screws)		OK-i0006		
D3	Crank Pin Half (SNK) - 38 mm		OK-i0001		
E	Connecting Rod Snap Ring	770000	OK-i1900		
F	*Con. Rod Bearing (Rework ONLY)	*701441	*OK-i3300 R	N/A	
G	Connecting Rod Bridge (top & bottom)	150425	OK-i0600		
G1	Bridge w/ Lube Holes	-	OK-i0650		
**H	Connecting Link - 18-1/2", 20", 26 1/2"	102548	OK-i1100		
**H1	Connecting Link - 24"	102548	OK-i0400		
**H2	Connecting Link - 24" SNK	102547	OK-i0000		
**H3	Connecting Link (with Bronze bushing) 18.5", 26.5" Stroke		OK-i1100A		
**H4	Connecting Link (with Bronze bushing) 24.0" Stroke		OK-i0400A		
J	Connecting Link Bearing	700242	OK-i3400		
K, L	Set Journal Half - Operator Side (Ref)	102283	OK-i0500		
K1, L1	Set Journal Half - (SNK) Operator Side		OK-i0501		
M	Connecting Link Snap Ring	770910	OK-i2100		
N	Wrist Pin - for Ram Carriage/Ram Block	114835	OK-A1320		
P	F-B-R Wrist Pin w/ Snap Rings	111644	OK-J4630		
P1	Pin Assembly for 1 1/8" Connection	-	OK-Q0913		
**Q	F-B-R Connecting Link - 18-1/2"	113815	OK-i4100		
**R	F-B-R Connection Link - 21"	113827	OK-i3550		
**S	F-B-R Connecting Link - 24"-26.5"	113886	OK-i4900		
T	Journal Shim Pack	-	OK-i0510		

**** H, H1, H2 = "New" Con Links Do Not Have Bushing, "Repair" Con Links Do Come With Bronze Bushing**

Options	Price
Modify Connection Rod for Lube Linkage	Call for quote
Lubrication of Connecting Rod add	
Lubrication of Connecting Link add	

Knuckle Joint Link Assembly



Assembly

High Speed Lubrication Linkage Assembly

High Speed Lubrication Linkage Assembly	
Includes: All component parts, bearings, fittings, injectors, and seals.	

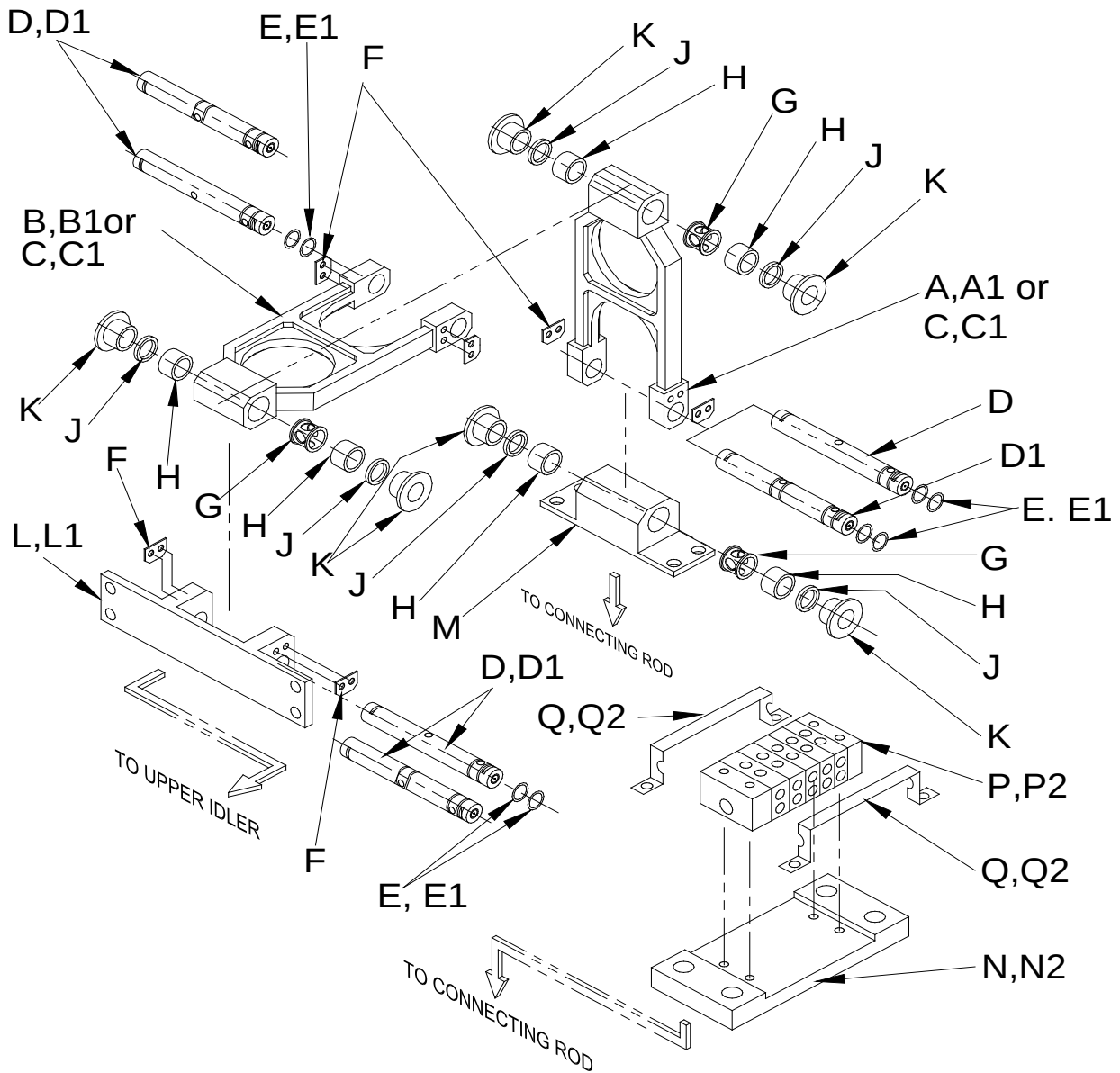
Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
*A1	Lube Linkage Arm (7.88") Groove in Link (old)	-	OK-Q0310		
*B	Lube Linkage Arm (7.00") Groove in Link (old)	-	OK-Q0320		-
*C	Lube Linkage Arm (6.25") Groove in Link (old)	-	OK-Q0315		-
*D	Port Shaft	-	OK-Q0350		-
*E	Port Shaft O-Rings Groove in link (lube linkage arm)	-	OK-Q0500		
**A1	Lube Linkage Arm (7.88") Groove in Link (new)	-	OK-Q0311		
**B	Lube Linkage Arm (7.00") Groove in Link (new)	-	OK-Q0321		-
**C	Lube Linkage Arm (6.25") Groove in Link (new)	-	OK-Q0316		-
**D	Port Shaft	-	OK-Q0351		-
**E1	Port Shaft O-Rings Groove in link (lube linkage arm)	770520	OK-Q0501		
F	Port Shaft Retaining Clip	109473	OK-Q0370		-
G	Bearing Spacer	109472	OK-Q0360		-
H	Bearing	700186	OK-Q0520		-
J	Oil Seal	773510	OK-Q0530		-
K	Flange Bushing	700187	OK-Q0510		-
L	Idler Link Base	114276	OK-Q0330		-
L1	Idler Link Base (Aluminum Idlers)	-	OK-i0211		-
M	Rod Link Base	109470	OK-Q0340		-
N	Inj. Mounting Plate (3 Block)	109793	OK-Q0380		-
N1	Inj. Mounting Plate (4 Block)	111334	OK-Q0390		-
N2	Inj. Mounting Plate (5 Block)	112730	OK-Q0400		-
P	Injector (3 block)	769000	OK-Q0550		-
P1	Injector (4 Block)	759095	OK-Q0560		-
P2	Injector (5 Block)	769143	OK-Q0570		-
Q	Inj. Safety Strap (3 Block)	109794	OK-Q0410		-
Q1	Inj. Safety Strap (4 Block)	111335	OK-Q0420		-
Q2	Inj. Safety Strap (5 Block)	112731	OK-Q0430		-

We occasionally have reconditioned parts for sale, call for pricing and delivery.

***Gen 1**

****Gen 2**

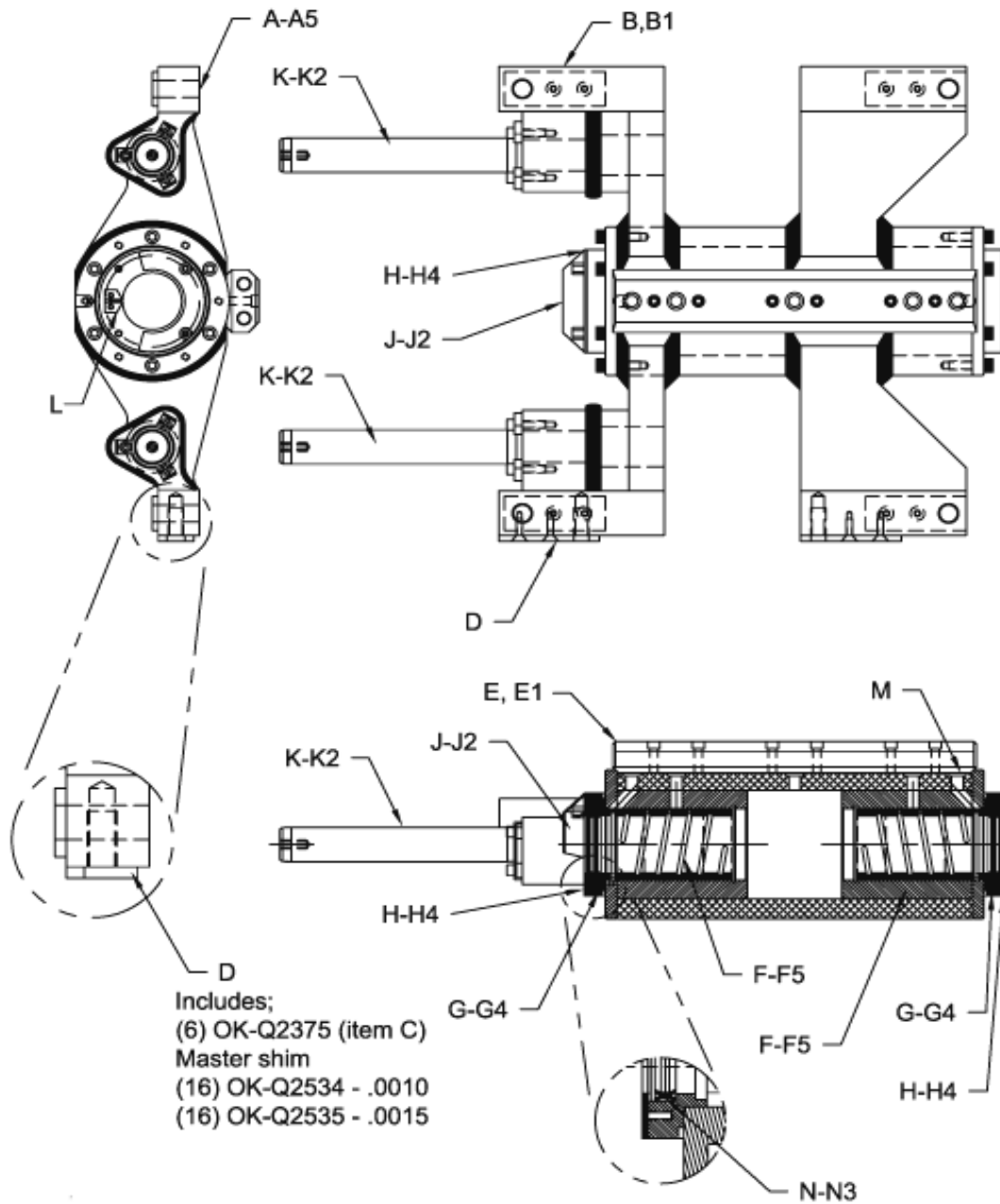
High Speed Lubrication Linkage Assembly



K - Linear Guidance System (LGS) Ass'y

Key	Description	OKL Part Number	New Part Price	Repair Price
A	LGS Ass'y - 2.50" Dia. Ram (Cust. Details Required)	OK-Q2400		
A-1	LGS Ass'y - 2.75" Dia. Ram (Cust. Details Required)	OK-Q2400D		
A-2	LGS Ass'y - 2.84" Dia. Ram (Cust. Details Required)	OK-Q2400B		
A-3	LGS Ass'y - 65mm Dia. Ram (Cust. Details Required)	OK-Q2401		
A-4	LGS Ass'y - 2.038" Dia. Ram (Cust. Details Required)	OK-Q2400A		
A-5	18.5" LGS Assembly - 2.50" Dia. Ram	OK-Q1850		
B	LGS Ram Housing – 20, 21, 24, & 26	OK-Q2410		
B1	LGS Ram Housing – 18 1/2"	OK-Q1860		
C	Shims (.246 Thick) (Call For Details)	OK-Q2375		
D	Shim Pack	OK-Q2376		
E	Lube Manifold - Aluminum	OK-Q2420		
E	Lube Manifold - Steel	OK-Q2420A		
E1	O-Ring - Lube Manifold	OK-Q2531		
F	Bearing Cartridge Assy. – 2.50" Dia. Ram	OK-Q2220		
F1	Bearing Cartridge Assy. – 2.75" Dia. Ram	OK-Q2230		
F2	Bearing Cartridge Assy - 2.84" Dia. Ram	OK-Q2230A		
F3	Bearing Cartridge Assy. - 65mm Dia. Ram	OK-Q2221		
F4	Bearing Cartridge Assy. - 2.038" Dia. Ram	OK-Q2220A		
F5	(Call For Details)			
G	End Cap 2.50" Dia. Ram	OK-Q2300		
G1	End Cap 2.75" Dia. Ram	OK-Q2310		
G2	End Cap 2.84" Dia. Ram	OK-2310A		
G3	End Cap - 65mm Dia. Ram	OK-Q2301		
G4	End Cap - 2.038 Dia. Ram	OK-Q2300A		
H	End Plate 2.50" Dia. Ram	OK-Q2350		
H1	End Plate 2.75" Dia. Ram	OK-Q2360		
H2	End Plate 2.84" Dia. Ram	OK-Q2360A		
H3	End Plate 65mm Dia. Ram	OK-Q2351		
H4	End Plate 2.038 Dia. Ram	OK-Q2350A		
J	Splash Shield 2.50" Dia. Ram	OK-Q2430		
J1	Splash Shield 2.75" Dia. Ram	OK-Q2431		
J2	(Call For Details)			
K	Guide Post w/ Clamps, Screws + oil hole	OK-Q0160		
K1	(Call For Details)			
K2	(Call For Details)			
L	Stripper Blade	OK-J4420		
M	(Call For Details)			
	Leader Pin with Oil Hole (Single Bushing) @ Tool Pack End	OK-Q0162		
	Leader Pin Post with Oil Hole (Single Bushing) @Shoulder	OK-Q0162A		
New: Complete Linear Guidance System Assembly		OK-Q2400		
Rework: Bearing Cartridge Ass'y (Cartridge, Bearing & Snap Rings)				

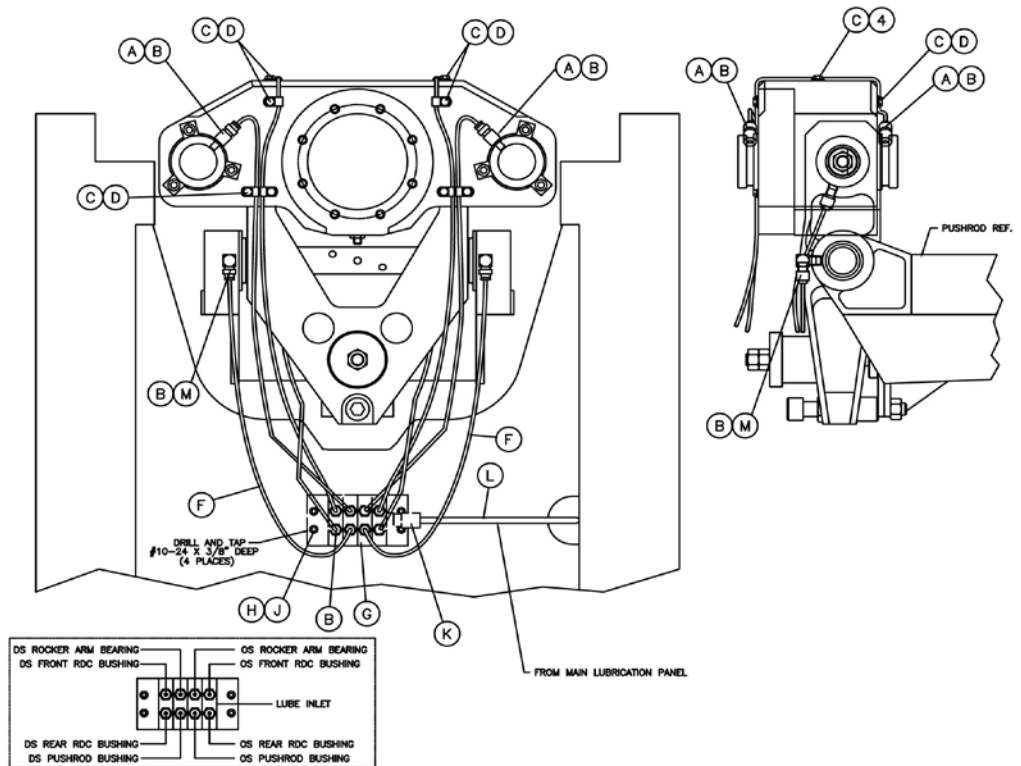
Linear Guidance System (LGS) Assembly



LGS - Redraw Carriage Lubrication - L1200

Key	Description	OKL Part Number	New Part Price	Repair Price
A	Male Connector	FIT0029		
B	Pushlock Fitting	FIT0028		
C	Line Clamp Single			
D	8-32 x 3/8" Self Tap Screw			
E	Line Clamp Double			
F	1/8" Polyflow Tubing	OK-L0010		
G	Divider Injector Block	OK-C1310		
H	SNCS #10-24 x 1 3/4" Lg.			
J	Lockwasher # 10			
K	Straight Connector	FIT0072		
L	1/4" Tin Coated Steel Line	Lincoln		
M	90 Degree Adapter	FIT0045		
N	Injector (Not Shown)	OK-L0025		
O	90 Degree Fitting (Not Shown)	FIT0052		
P	" T " 1/4" NPT (Not Shown)	FIT0073		
Q	High / Low Switch (Not Shown)	OK-P0500		
R	Lube Block (Not Shown)	OK-L0050		

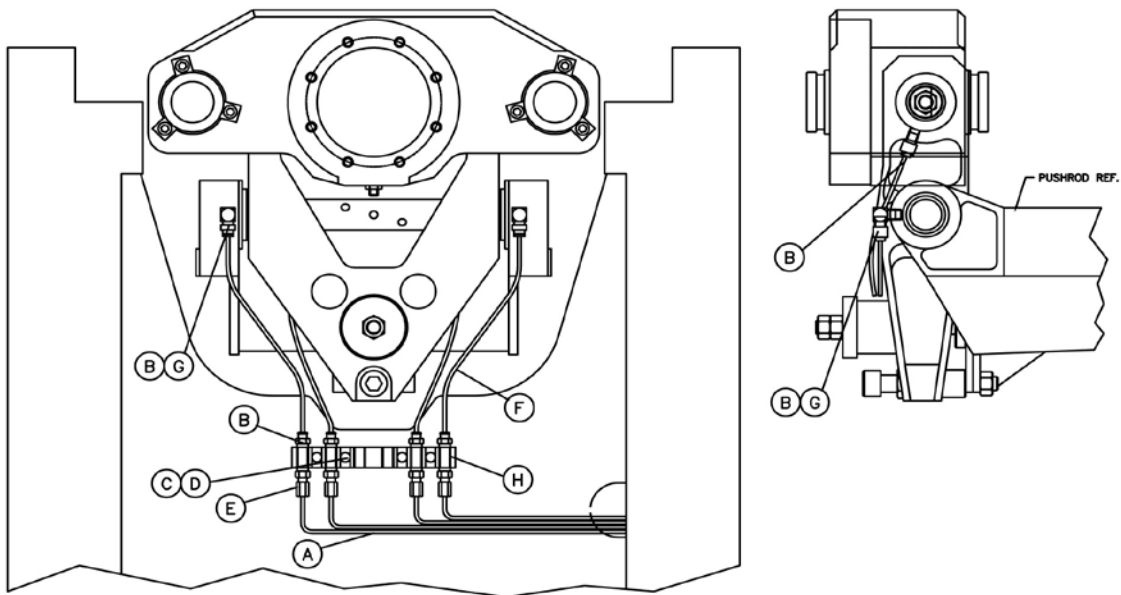
LGS - Redraw Carriage Lubrication - L1200



LGS - Redraw Carriage Lubrication - L1200B

Key	Description	OKL Part Number	New Part Price	Repair Price
A	1/8" Hydraulic Tubing	L0015		
B	Pushlock Fitting	FIT0028		
C	SHCS 5/16" x 1.25 Lg.			
D	Lock Washer 5/16"			
E	Fitting 1/8" Comp. 1/8" NPT	FIT0039		
F	1/8" Polyflow Tubing	OK-L0010		
G	90 Degree Adapter 1/8" NPT	FIT0045		
H	Anchor Block	FIT0038		

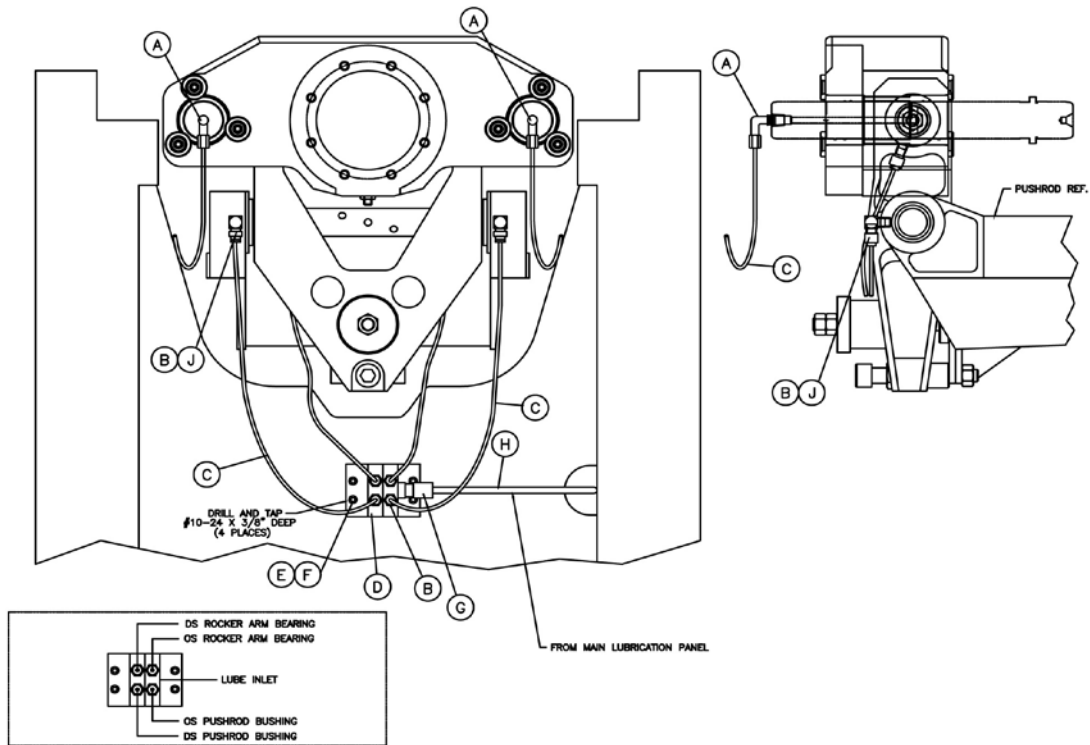
LGS - Redraw Carriage Lubrication - L1200B



LGS - Redraw Carriage Lubrication - L1200C

Key	Description	OKL Part Number	New Part Price	Repair Price
A	Pushlock Fitting @ 90 Degree - 1/8"	FIT0055		
B	Pushlock Fitting - 1/8"	FIT0028		
C	1/8" Polyflow Tubing	OK-L0010		
D	Divider Injector Block	OK-C1310B		
E	SHCS # 10-24 x 1 3/4" Lg.			
F	Lockwasher # 10			
G	Straight Connector	FIT0072		
H	1/4" Tin Coated Steel Line	Lincoln		
J	90 Degree Adapter	FIT0045		
K	Injector (Not Shown)	OK-L0025		
L	90 Degree Fitting (Not Shown)	LIT0052		
M	" T " 1/4" NPT (Not Shown)	FIT0073		
N	High / Low Switch (Not Shown)	OK-P0500		
O	Lube Block (Not Shown)			

LGS - Redraw Carriage Lubrication - L1200C



Redraw Carriage Assembly (8 Bearing)

Redraw Carriage Assembly Includes: All Component Parts except (2) AD-58203 bearings (Rocker Arm Bearings, Cam Followers, and Redraw Sleeve Spacer Plate)	Call for quote
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Redraw Carriage Assembly Component Listing, See Illustration

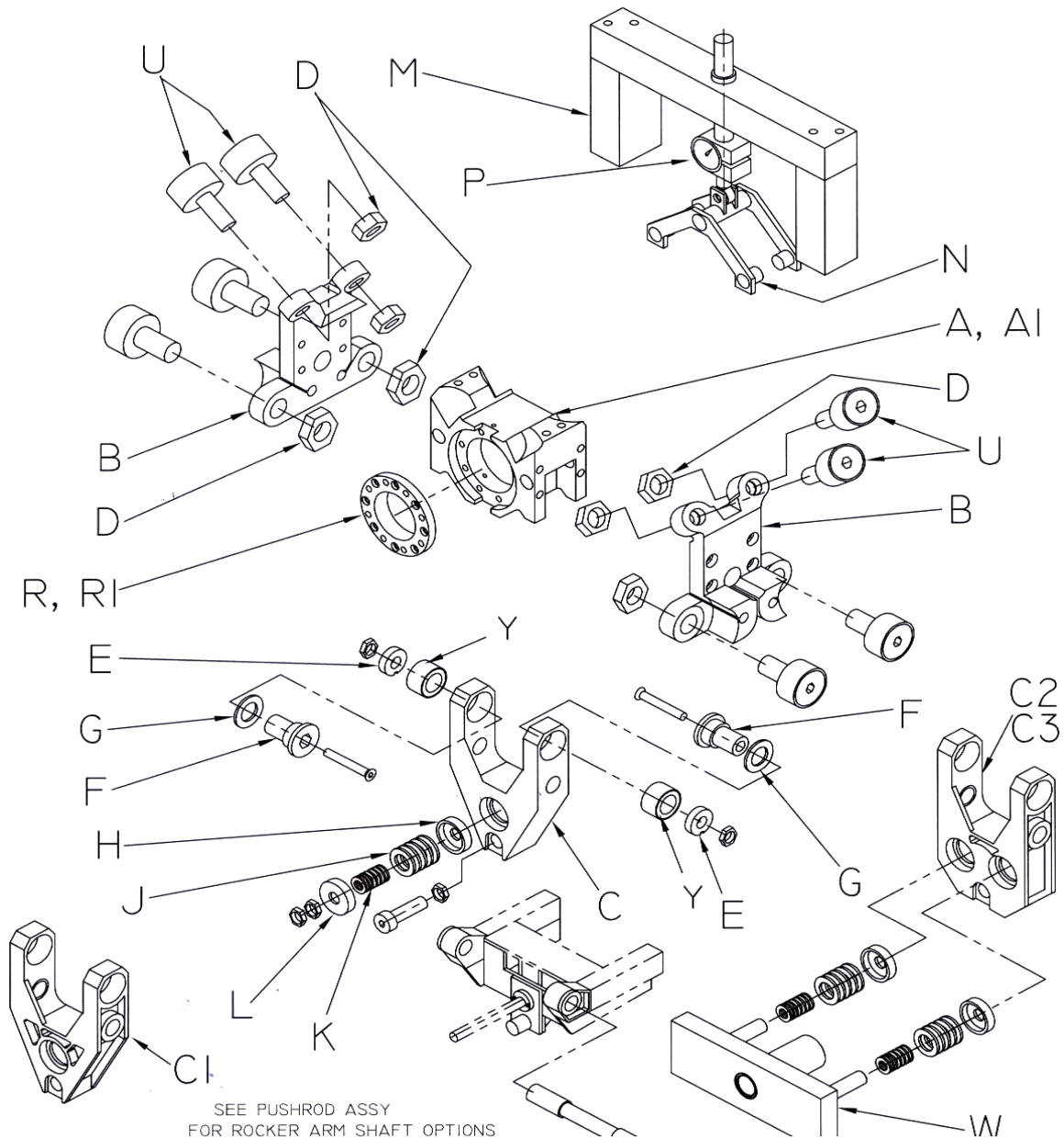
Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
-	Rocker Arm Ass'y Alum. w/Bearings Shaft	-	OK-B0505		
A	Redraw Carr. Body (8 Brg) 4.75 dia.	103944	OK-B0200		
B	Follower Support (8 Brg) Aluminum	103928	OK-B0400		
*C	Rocker Arm (Aluminum) NEW	-	OK-B0510		
*C1	Rocker Arm (Steel) 1-3/8 Dia.	106062	OK-B0600		
*C2	Rocker Arm (Double Spring) 1.375" Dia.	-	OK-B0616A		-
*C3/S	Rocker Arm (Double Spring 1.00" Dia.	-	OK-B0611		
D	Follower Support Nut (set of 4)	150235	OK-B0700		-
E	Rocker Arm Lock Nut	106144	OK-B0800		-
F	Rocker Arm Hinge Pin	106507	OK-B0900		-
G	Redraw Carriage Washer	106615	OK-B0001		-
H	Rocker Arm Spring Retainer	114833	OK-B1500		-
J	Outer Spring (Dandy - Yellow)	755370	OK-B1800		-
K	Inner Spring (Dandy - Yellow)	755360	OK-B1700		-
L	Spring Retainer	114837	OK-B1600		-
M	Pre-Load Saddle Fixture	-	OK-B1900		-
N	Redraw Carr. Lifting Fixture	108518	OK-B2000		-
P	Dillon Gauge	30441-0012	OK-B0910		-
R	Redraw Sleeve Spacer Plate - Al Cans	132-1-5282	OK-B0250		-
R1	Redraw Sleeve Spacer Plate - Steel Cans	-	OK-B0260		-
T	Rocker Arm Bearing	AD-58203	-		-
T1	Bronze Bushing Conversion	AD-58203	OK-E1120		-
U	Cam Follower Bearing (Upper, Eccentric)	-	OK-B2200		-
V	Cam Follower Bearing (Lower)	-	-		-
W	Spring Retainer - Double Spring Rocker Arm	-	OK-E2410		-
X	Redraw Carriage Hinge Pin (Straight Pin)	-	OK-B3630		-
Y	Spherical Bearing		OK-B2100		

***Rocker Arms Are Size Specific as to What Type Rocker Arm Shaft Is Required-Please Specify.**

We occasionally have reconditioned parts for sale, Call for pricing and delivery.

Options	Price
Redraw Carriage Pre-Load Fixture	
Pre-Load Fixture Wrench	OK-B1900

Redraw Carriage Assembly (8 Bearing)



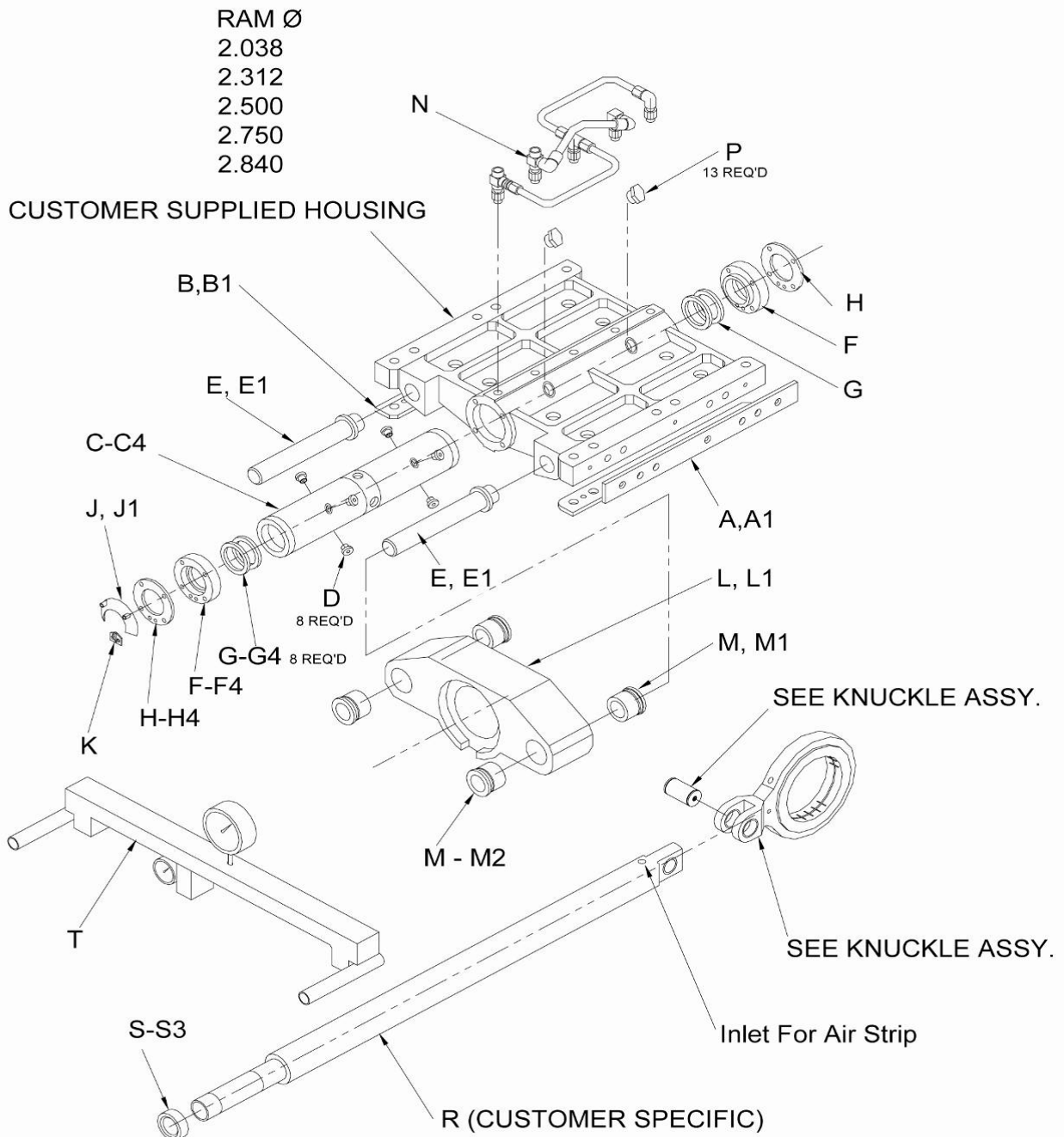
L - Fluid Bearing Ram (FBR) Assembly

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	FBR Side Shim - 18 1/2", 21"	111424	OK-Q0120		-
A1	FBR Side Shim - 24", 26 1/2"	111424	OK-Q0125		-
B	FBR Bottom Shim - 18 1/2", 21"	113706	OK-Q0130		-
B1	FBR Bottom Shim - 24", 26 1/2"	113706	OK-Q0135		-
*C	FBR Bushing	-	-		-
D	FBR Jet Orifice	111435	OK-Q0150		-
E1	Leader Pin Post with Oil hole w/clamps	-	OK-Q0162		-
*F	FBR End Cap (Dbl. Seal) 2.5" Diameter	111432	OK-Q0170		-
*G	FBR Seal 2.5" Diameter	773686	OK-Q0190		-
*H	FBR End Plate 2.5" Diameter	111434	OK-Q0180		-
*J	FBR Splash Shield 2.5" Diameter	111766	OK-Q0200		-
K	FBR Stripper Knife	109954	OK-J4420		-
L	FBR Redraw Carriage Assembly		OK-B3001		
L	FBR Redraw Carriage Assy. (with Composite Bushings)	-	OK-B3001C		
L1	FBR Redraw Carriage (Body Only)	111539	OK-B3000		
M	Guide Post Bushing w/clamps	111540	OK-B3100		-
M1	Bronze Bushing Assembly		OK-B3110		-
M2	Composite Bushing Assembly		OK-B3110A		-
N	Fitting and Coolant Line Kit	-	OK-Q0600		-
P	O-Ring Boss Plug	750279	OK-Q0240		-
*R	Fluid Bearing Ram 21"	112446	-		See below
R1	Fluid Bearing Ram 24"	112446	-		See below
*S	Punch Spacer	112374	-		-
T	Ram Fixture	111221	OK-Q0800		-
U	Pump Station	-	OK-Q1005		-
W1	Ram Bushing 1.375 Dia.	-	OK-Q0901		-

***Note:** Items C, F, G, H, J, R, & S, are diameter specific, and will need to be ordered accordingly.

Options	Price
Rework Fluid Bearing Housing (OK-Q0105 R) - 24" Stroke Includes: - Remove and replace: bronze bushing and all seals. - Clean and inspect all jets, end caps and end plates; & Grind/Replace Shims.	
Rework FBR Ram -Inspect, rework nose and body to spec	

Fluid Bearing Ram (FBR) Assembly (Rework Parts)



FBR Housing Retrofit (Bronze to Composite Bushing)

Description	OKL Part No.	New Part Price	Repair Price
Retrofit Assembly With Customer Supplied FBR Housing- 2.50" Ram			-
Retrofit Assembly With OKL Supplied FBR Housing - 2.50" Ram		Call for Quote	-
Retrofit Assembly With Customer Supplied FBR Housing - 2.75" Ram			-
Retrofit Assembly With OKL Supplied FBR Housing- 2.75" Ram		Call for Quote	-
Retrofit Assembly With Customer Supplied FBR Housing - 2.840" Ram			-
Retrofit Assembly With OKL Supplied FBR Housing- 2.840" Ram		Call for Quote	-
Retrofit Assembly With Customer Supplied FBR Housing - 2.038" Ram			-
Retrofit Assembly With OKL Supplied FBR Housing- 2.038" Ram		Call for Quote	-

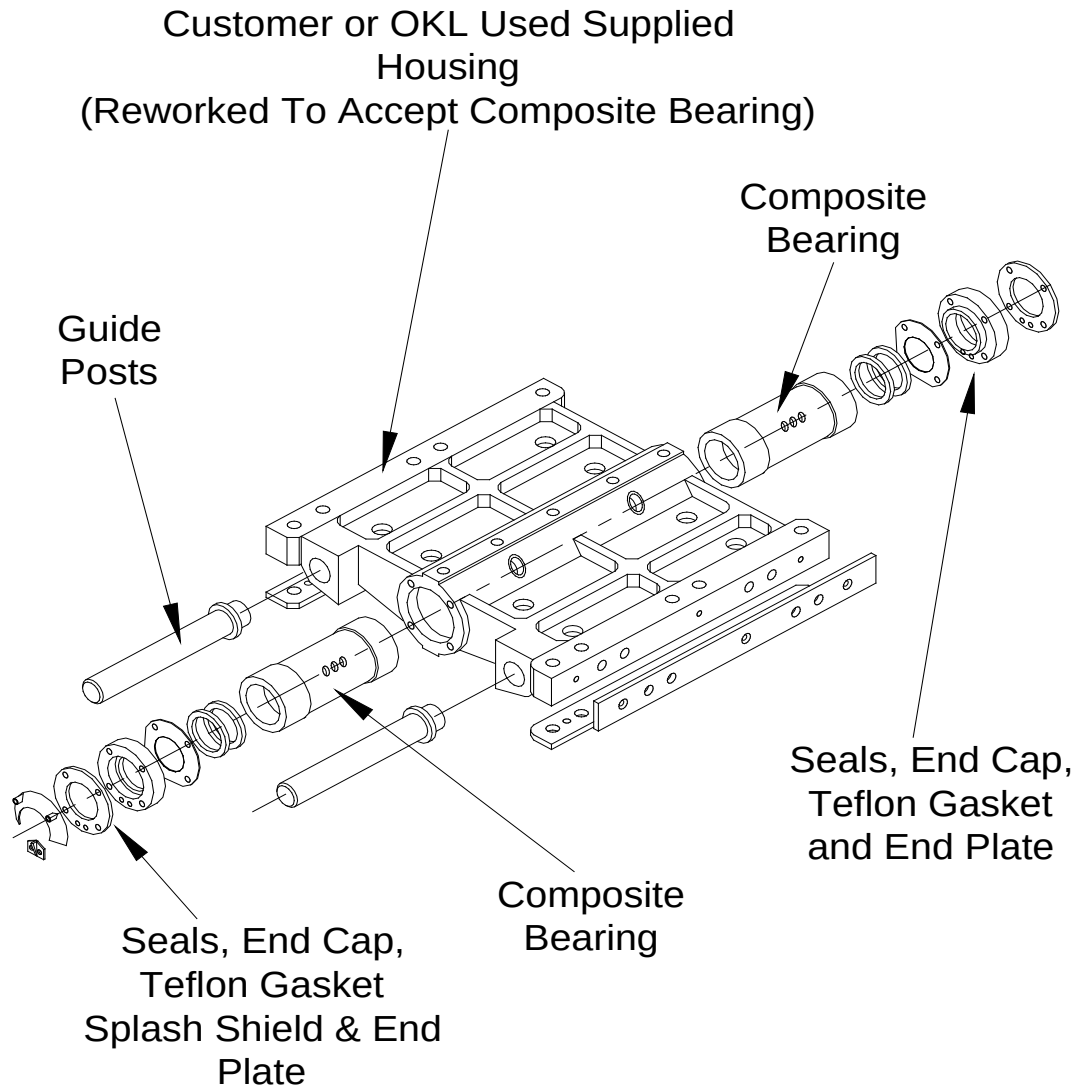
Note: Though this Retrofit eliminates the need for a pump station, OKL still performs service, and supplies replacement parts. For high pressure systems see Fluid Bearing Assembly. Please Call For Prices And Availability.

Conversion Hsg. Rework (Composite to Composite)

Description	OKL Part No.	New Part Price	Repair Price
Rework Customer Supplied Conversion Housing- 2.50" Ram			
Rework Customer Supplied Conversion Housing- 2.840" Ram			
Rework Customer Supplied Conversion Housing- 2.038" Ram			
Rework Customer Supplied Conversion Housing- 2.750" Ram			
Flow Monitor and Install Kit (Included w/ Rework)	OK-L0351		

***Customer Specific Details Required**

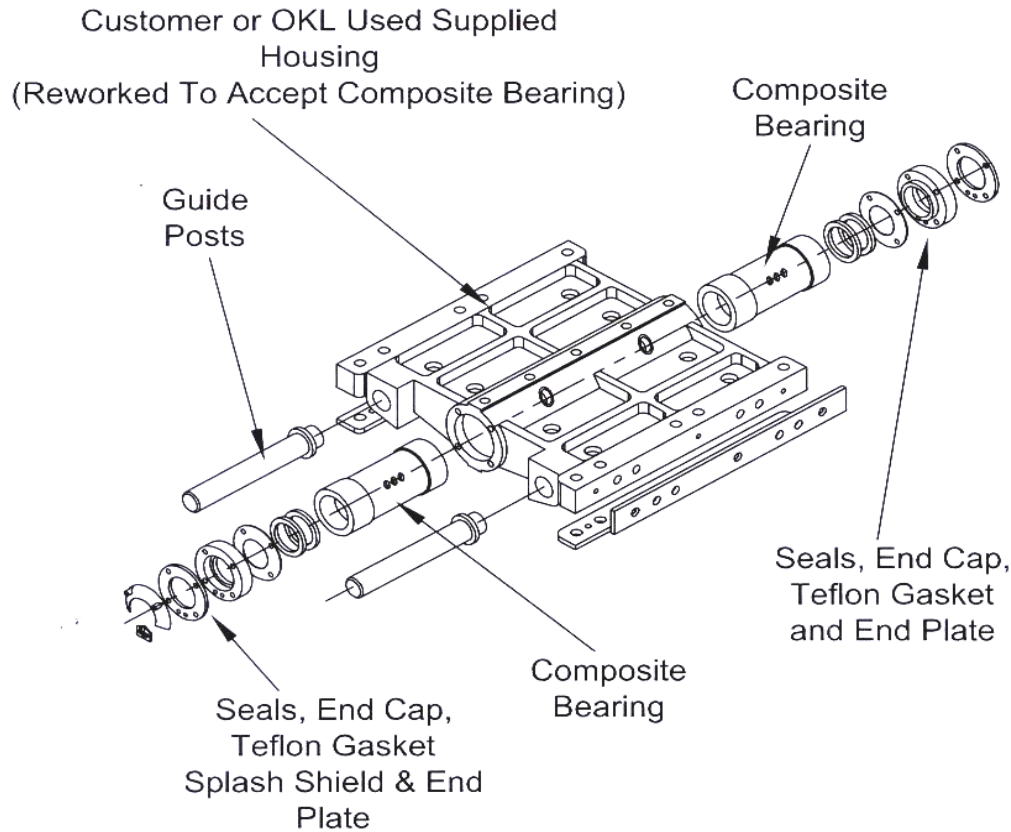
FBR Housing Retrofit (Bronze to Composite)



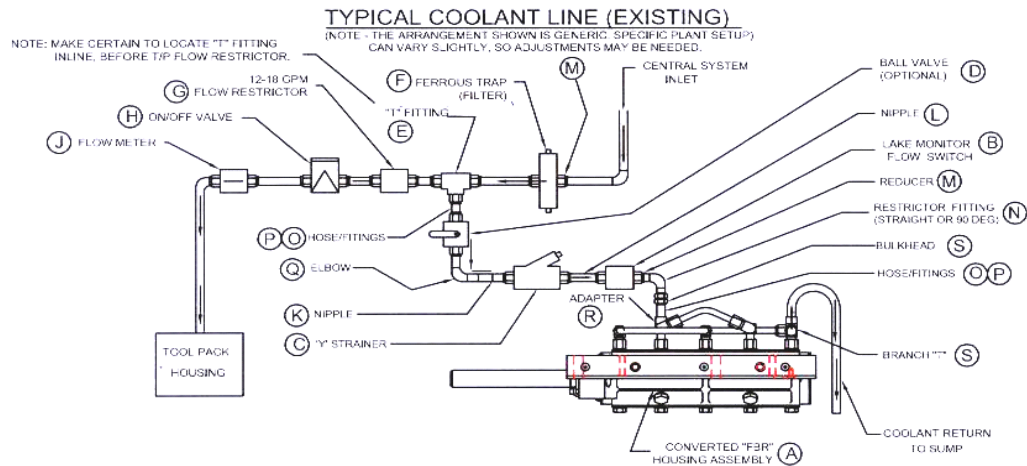
FBR Housing Retrofit (Bronze - Composite)

Key	Description	OKL Part Number	New Part Price	Repair Price
A	FBR Housing (Converted From Bronze to Composite)			
B	Lake Montitor, Flow Switch	OK-Q2550		
C	"Y" Filter / Strainer, #Y-6-149-F3	OK-Q0581		
D	Ball Valve, McMaster Carr #4830K198	FIT0013		
E	"T" Fitting 3/8" NPT Male - Weatherhead # 7605-8	FIT0025		
F	Ferrous Filter Trap - Existing - Plant Supplied			
G	Flow Restrictor 12 - 18 GPM - Existing - Plant Supplied			
H	On / Off Valve - Existing - Plant Supplied			
J	Flow Meter - Existing - Plant Supplied			
K	3/4" x 2" S.S. Pipe Nipple	FIT0036		
L	3/4" x 6" Pipe Nipple	FIT0035		
M	Reducer	FIT0016		
N	Restrictor Fitting Ass'y (Plant to Determine Straight or 90 Degree)	OK-L0355		
O	Socketless Adapter	FIT0017		
P	Hose	2556-8		
Q	90 Degree Elbow - 2024-6-8S	FIT0037		
R	Adapter	FIT0022		
S	Branch " T "	FIT0025		
T	Bulkhead Fitting	FIT0018		

FBR Housing Retrofit (Bronze - Composite)



Included with Composite conversion (dwg. L0351)



M - Ram Guidance System (RGS) Assembly

Ram Guidance Ram Assembly Component Listing, See Illustration

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
*A	*Ram Guidance Ram	-	-		-
B	Split Ring Retainer	108277	OK-J1800	Call for Quote	-
C	Split Ring	108328	OK-J1700	Call for Quote	-
D	O-Ring	770970	OK-J4300	Call for Quote	-
E	Ram Block (Steel)	108253	OK-J1500	Call for Quote	-
E1	Ram Block (Aluminum)	108253	OK-J1550	Call for Quote	
F	Ram Block Bushings (Set)	108289	OK-J2000	Call for Quote	-
G	Air/Oil Adapter Manifold	108268	OK-J1600	Call for Quote	-
H	Lube Manifold	108788	OK-J1900	Call for Quote	-
J	Support Wing	108299	OK-J1300	Call for Quote	-
K	Clamp	-	OK-J3450	Call for Quote	-
L	Wrist Pin	114835	OK-A1320	Call for Quote	-
M	Lube Manifold Adapter		OK-J1950	Call for Quote	-

* Item K is Not a Discontinued Item

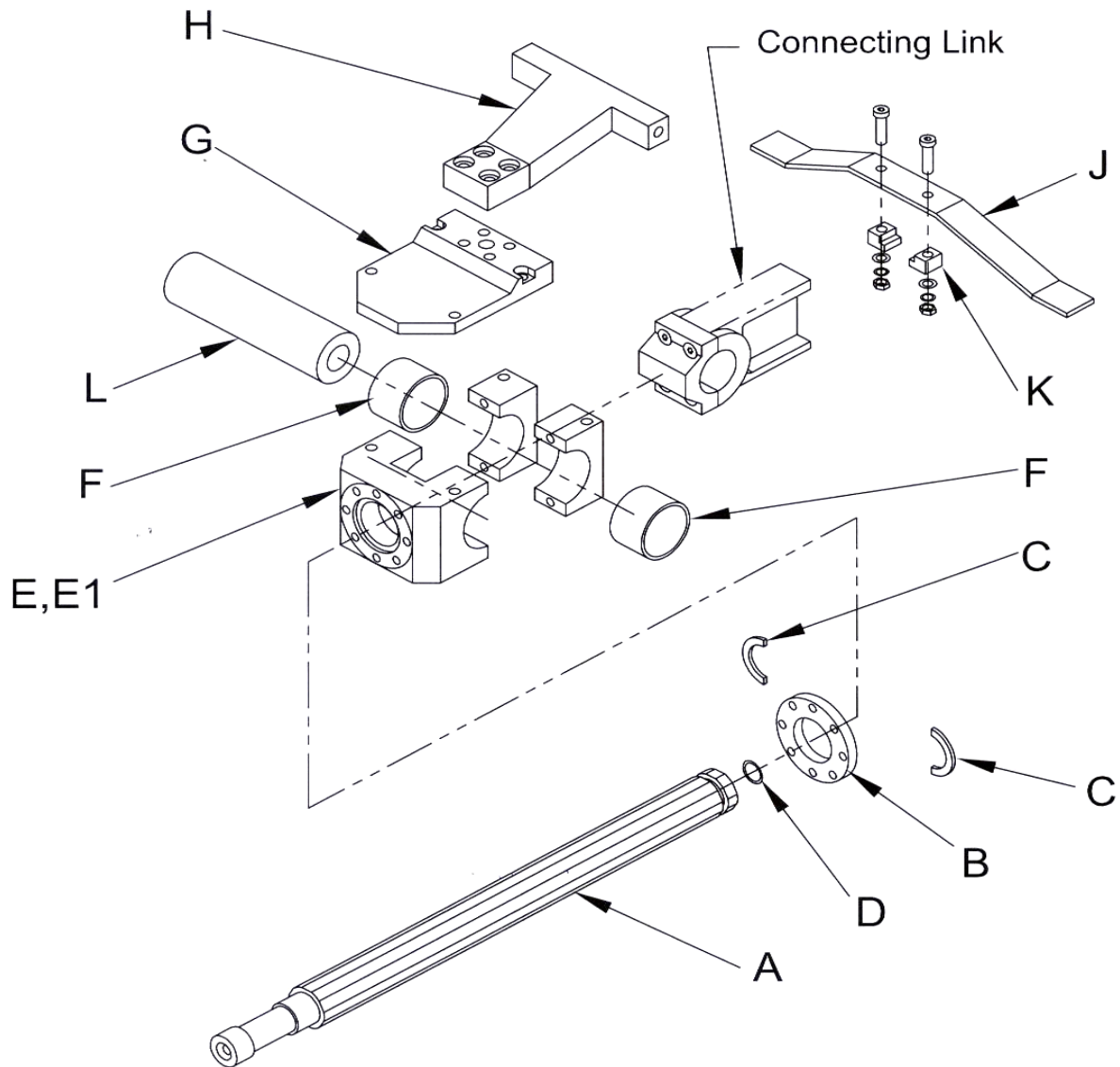
* Because many different variations exist for the Ram Guidance Rams, call us for a part number for a Ram that fits your particular needs.

Options	Price
Ram Guidance Ram Repair Punch Lands chromed and ground to size 6 Flats on Shaft ground .005"	
Additional .005" Grind	Call for Quote
Assembly and Tool Room Set up	Call for Quote

*Parts Have Been Discontinued -
Call For Inventory Status*

Parts can be ordered in minimum quantity of (3)

Ram Guidance System (RGS) Assembly



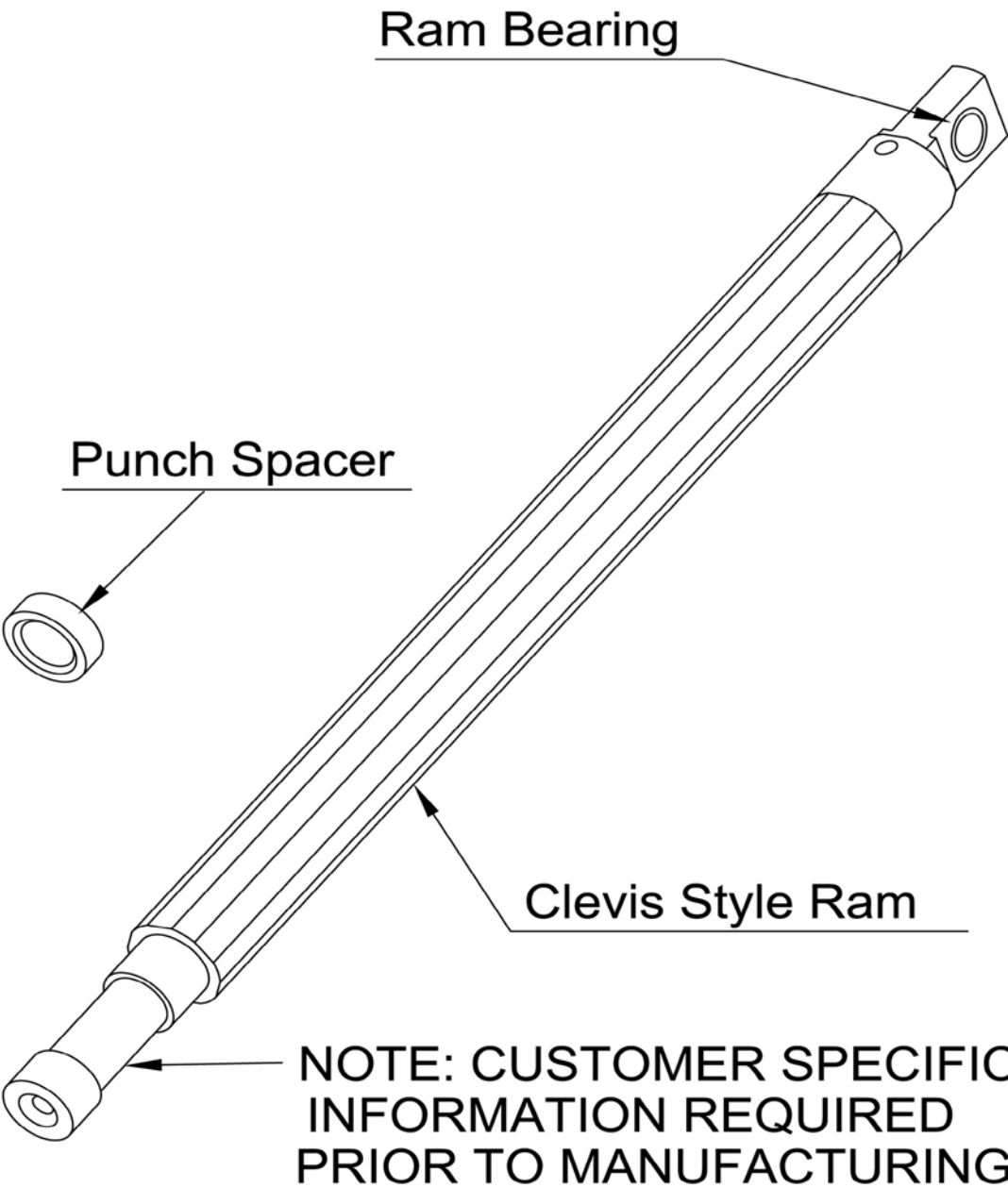
Ram Guidance Clevis Ram Assembly

Description		OKL Part No.	New Part Price	Repair Price
	Ram Guidance Ram - Clevis Style, 24" stroke	Call For Part Number	Call for Quote	-
	Ram Bearing	OK-J4620		
	Punch Spacer	OK-J4716		

*Parts Have Been Discontinued -
Call For Inventory Status*

Parts can be ordered in minimum quantity of (3)

Ram Guidance Clevis Ram Assembly



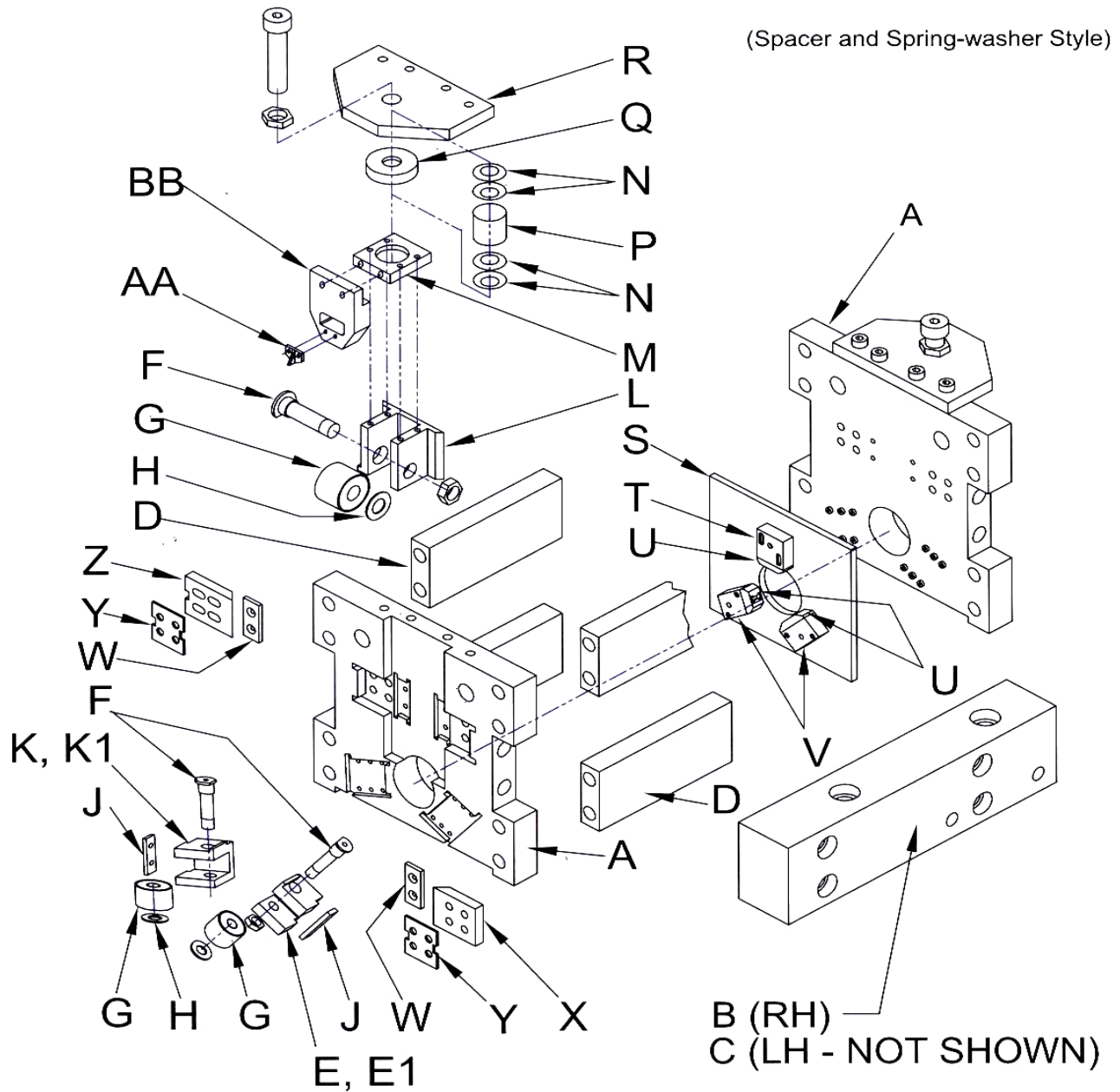
Ram Guidance System (RGS) Bulkhead Ass'y (Spacer Style)

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Main Bulkhead	108295	OK-J2100		-
B	Ram Cradle Rail (RH)	108335	OK-J0100		-
C	Ram Cradle Rail (LH)	108338	OK-J0150		-
D	Spacer Block - 6.5"	108252	OK-J1100		-
D1	Spacer Block - 15.5"	-	OK-J4650		
D2	Spacer Block - 11.625"	-	OK-J4650A		
D3	Spacer Block - 13"	-	OK-J4706		
E	Roller Bracket (RH)	108294	OK-J2200		-
E-1	Roller Bracket (RH)		OK-2200A		
F	Roller Bolt	109397	OK-J2900		-
G	Cam Follower Bearing	CY64048-1	OK-J2400		-
H	Roller Spacer Washer	108223	OK-J2500		-
J	Bracket Wear Plate (Lower)	108312	OK-J3800		-
K	Roller Bracket (LH)	108301	OK-J3100		-
K-1	Roller Bracket (LH)		OJ-J3100A		
L	Roller Bracket (Upper)	109957	OK-J2300		-
M	Spring Plate (Lower)	108322	OK-J2600		-
N	Belleville Spring Washer	-	OK-J4100		-
P	Spring Spacer	-	OK-J4200		-
Q	Spring Plate (Upper)	108321	OK-J2700		-
R	Spring Tension Plate	108302	OK-J2800		-
S	Spray Lube Base Plate	108300	OK-J3200		-
T	Lube Block (Upper)	-	OK-J0340		-
U	Lube Pad	1099-32A	OK-J0330		-
V	Lube Block (Lower)	768610	OK-J0310		-
W	Bracket Wear Plate (Upper)	-	OK-J3900		-
X	Roller Bracket Fixed Clamp	108314	OK-J3600		-
Y	Roller Bracket Clamp Plate	-	OK-J3700		-
Z	Bracket Adjustable Clamp	108313	OK-J4000		-
AA	Stripper Blade	109954	OK-J4420		-
BB	Top Roller Stripper Plate	-	OK-J4450		-

**Parts Have Been Discontinued -
Call For Inventory Status**

Parts can be ordered in minimum quantity of (3)

Ram Guidance System (RGS) Bulkhead Ass'y (Spacer Style)



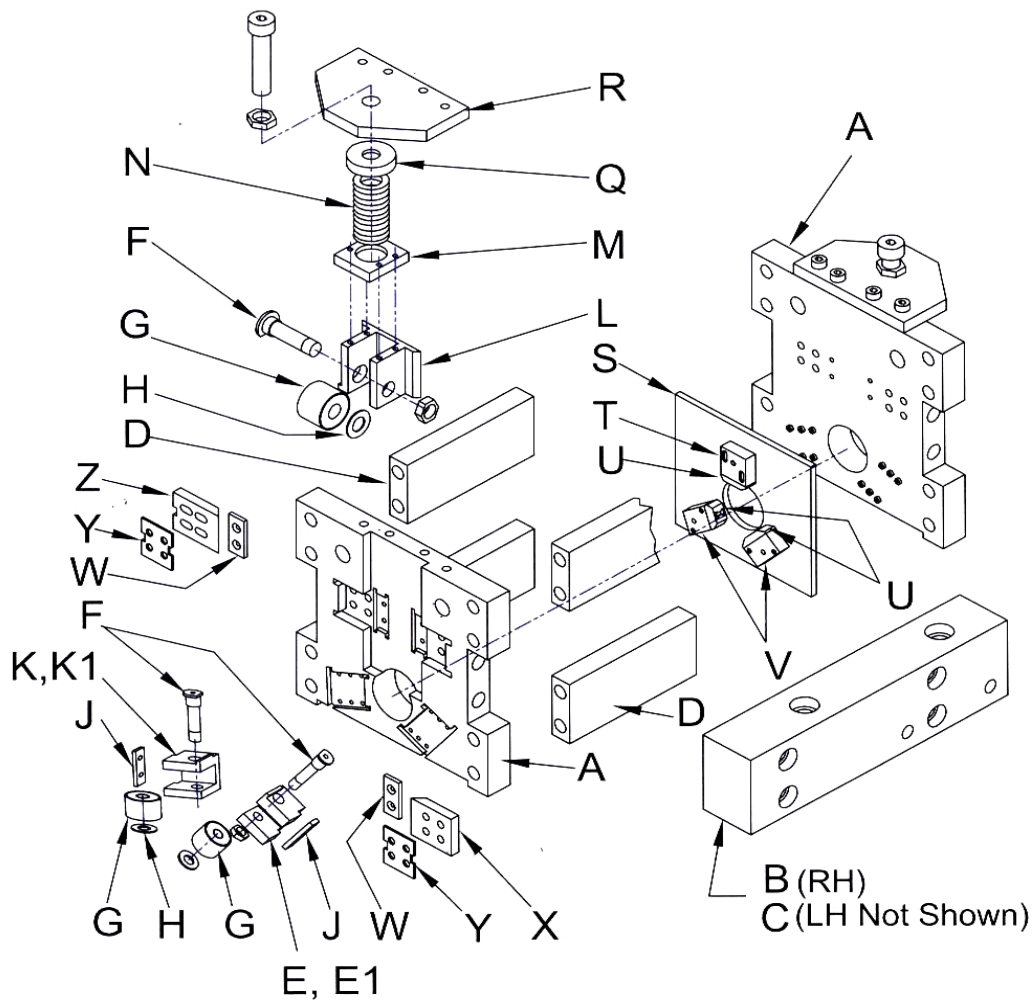
Ram Guidance System (RGS) Bulkhead Assembly (Spring Style)

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Main Bulkhead	108295	OK-J2100		-
B	Ram Cradle Rail (RH)	108335	OK-J0100		-
C	Ram Cradle Rail (LH)	108338	OK-J0150		-
D	Spacer Block	108252	OK-J1100		-
E	Roller Bracket (RH)	108294	OK-J2200		-
E-1	Roller Bracket (RH)		OK-J2200A		
F	Roller Bolt	109397	OK-J2900		-
G	Cam Follower Bearing	CY64048	OK-J2400		-
H	Roller Spacer Washer	108223	OK-J2500		-
J	Bracket Wear Plate (Lower)	108312	OK-J3800		-
K	Roller Bracket (LH)	108301	OK-J3100		-
K-1	Roller Bracket (LH)		OK-J3100A		
L	Roller Bracket (Upper)	109957	OK-J2300		-
M	Spring Plate (Lower)	108322	OK-J2600		-
N	Die Spring	-	OK-J4250		-
P	Spring Spacer	-	OK-J4200		-
Q	Spring Plate (Upper)	108321	OK-J2700		-
R	Spring Tension Plate	108302	OK-J2800		-
S	Spray Lube Base Plate	108300	OK-J3200		-
T	Lube Block (Upper)	-	OK-J0340		-
U	Lube Pad	1099-	OK-J0330		-
V	Lube Block (Lower)	768610	OK-J0310		-
W	Bracket Wear Plate (Upper)	-	OK-J3900		-
X	Roller Bracket Fixed Clamp	108314	OK-J3600		-
Y	Roller Bracket Clamp Plate	-	OK-J3700		-
Z	Bracket Adjustable Clamp	108313	OK-J4000		-
AA	Stripper Blade	109954	OK-J4420		-
BB	Top Roller Stripper Plate	-	OK-J4450		-

***Parts Have Been Discontinued -
Call For Inventory Status***

Parts can be ordered in minimum quantity of (3)

Ram Guidance System (RGS) Bulkhead Assembly (Spring Style)



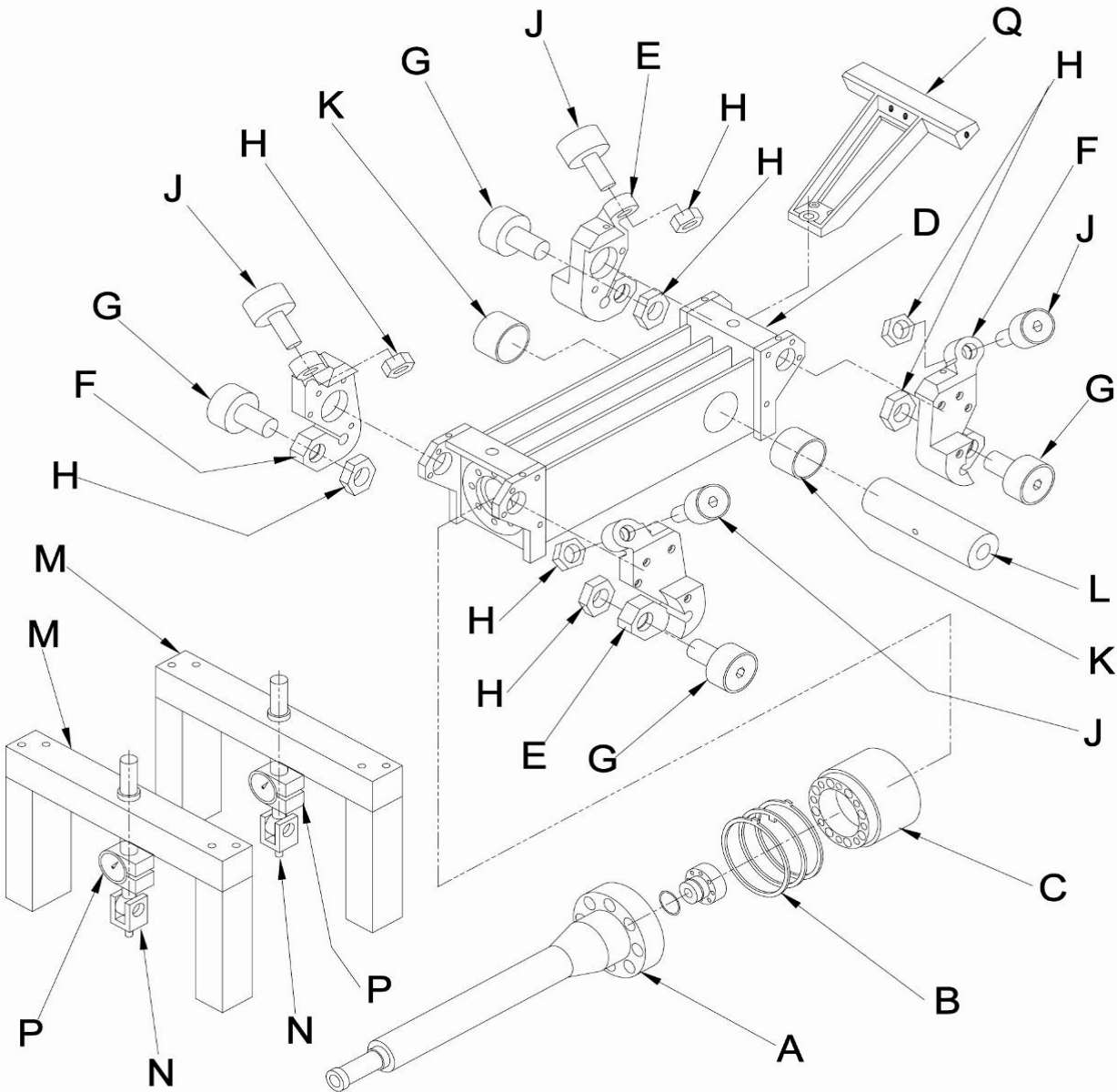
N - Ram Carriage Assembly

Key	Description	OEM Part No.	OKL Part No.	New Part Price
A	Ram			
A1	Ram - 24 oz.			
B	Wobble Shim (Set)	103979	OK-A1910	
C	Ram Spacer	44-1254-34	OK-A1110	
**D	Ram Carriage Body	107089	OK-A0100	
**E	Follower Support (2) Per Unit	101972	OK-A0210	
**F	Follower Support (2) Per Unit	101973	OK-A0310	
G	Way Follower (Bottom)	CC-52226	OK-A3300	
H	Follower Nut (Set of 8)	41-1254-34	OK-A1210	
J	Way Follower (Top)	CC-52224	OK-A3200	
K	Wrist Pin Bushing (Ampco 18)	105102	OK-A0500	
L	Ram Carriage Wrist Pin	114835	OK-A1320	
M	Saddle Fixture (2 Req'd)		OK-A0900	
N	U-Block Lifting Bracket		OK-A0903	
P	Dillion Gauge	30441-0012	OK-A0910	
Q	Air / Oil Manifold		OK-A0800	

*Parts Have Been Discontinued -
Call For Inventory Status*

Parts can be ordered in minimum quantity of (3)

Ram Carriage Assembly



Waystrips

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Waystrip - 67" Steel Set	108297	OK-D0100		
B	Waystrip - 14-1/8" Steel Set	108070	OK-D0200		
C	Inspection Blocks - 37 Deg.	-	OK-D0300		-
D*	Shim Set - .015" Thick Pair	-	OK-D0400		-
E*	Shim Set - .030" Thick Pair	-	OK-D0500		-
E1	Shim Set - .010" Thick Pair	-	OK-D0600		-
E2	Shim Set - .045" Thick Pair	-	OK-D0605		-
E3	Shim Set - .060" Thick Pair	-	OK-D0610		-
E4	Shim Set - .075" Thick Pair	-	OK-D0615		-
D*	Shim Set - .090" Thick Pair		OK-D0620		-
D1	Shim Set - .105" Thick Pair		OK-D0625		-
D2	Shim Set - .120" Thick Pair		OK-D0630		-
D3	Shim Set - .135" Thick Pair		OK-D0635		-
D4	Shim Set - .150" Thick Pair		OK-D0640		-
D5	Shim Set - .165 " Thick Pair		OK-D0645		-
D6	Shim Set - .180" Thick Pair		OK-D0650		-

Parts Have Been Discontinued -

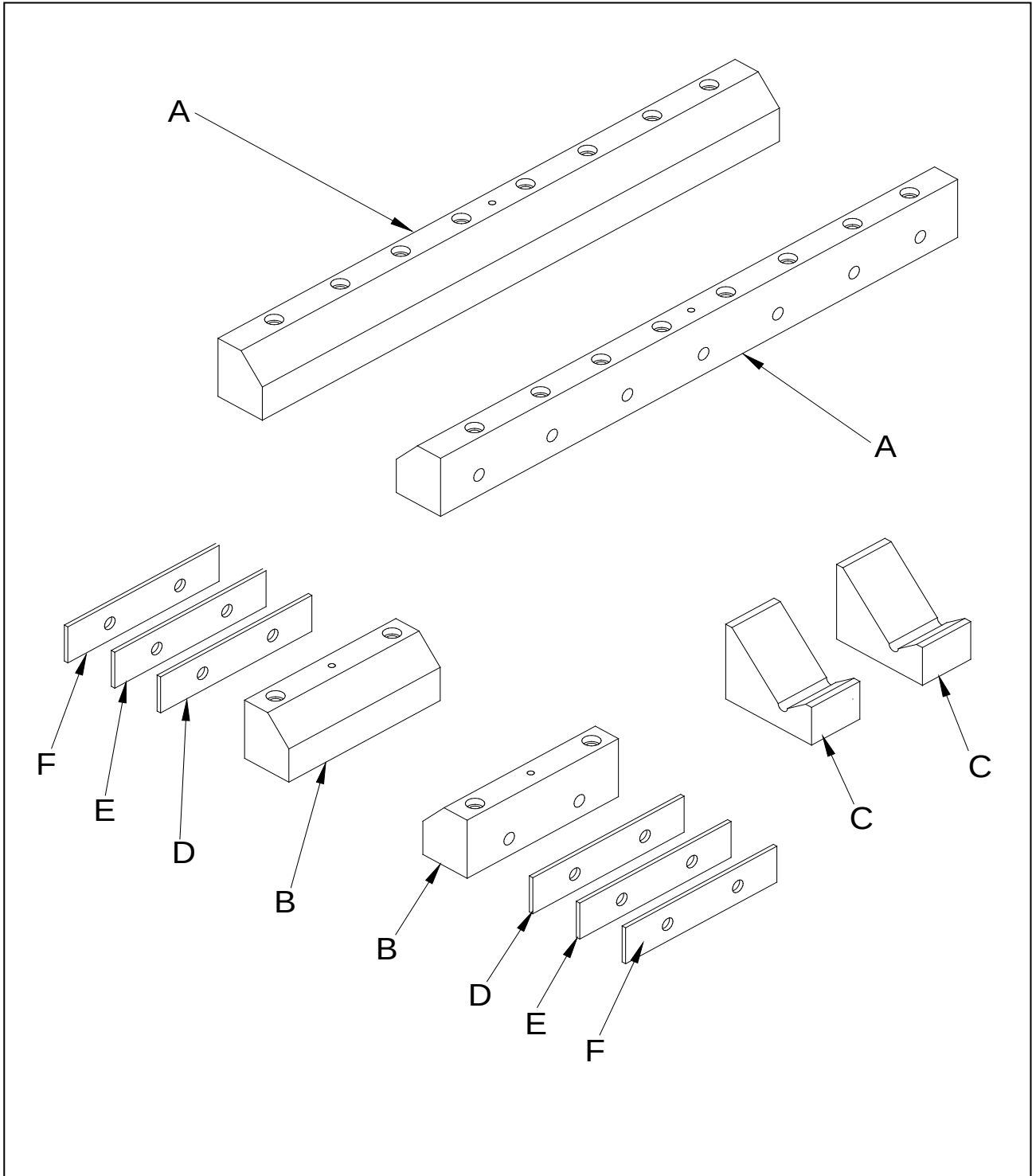
Call For Inventory Status

Parts can be ordered in minimum quantity of (3)

***Shims are available in .010 and from .015 to .180 in .015 increments**

Options	Price
Waystrip Repair - 14-1/8" Steel (OK-D0200 R) 1st Grind Each Additional Grind	
Waystrip Repair - 14-1/8" Ceramic (OK-D0200A R) 1st Grind Each Additional Grind	
Waystrip Repair - 67" Steel (OK-D0100 R)	
Waystrip Repair - 67" Ceramic (OK-D0100A R)	

Waystrips

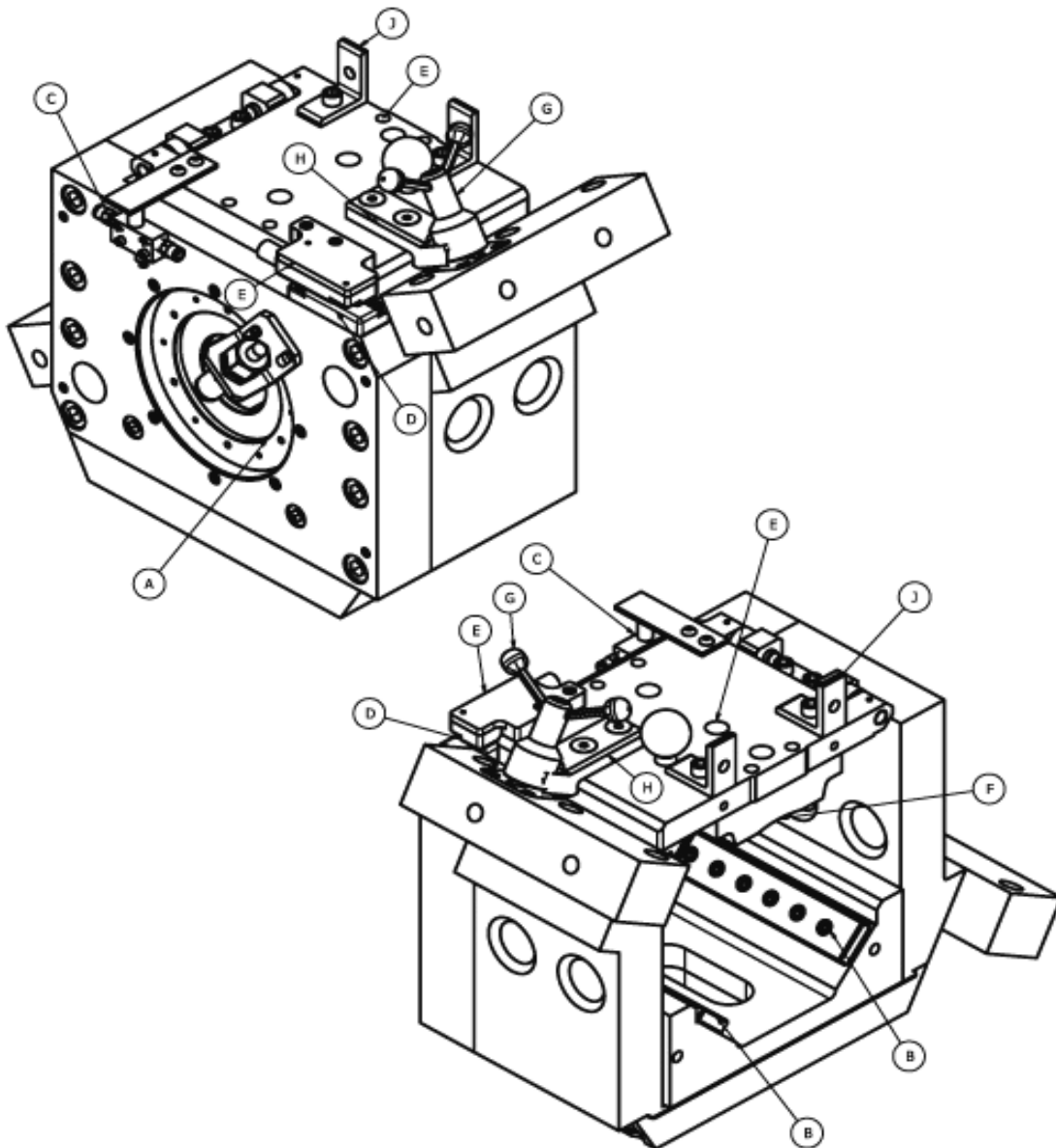


P -Top Load Tool Housing (New Style)

Key	Description	OKL Part No.	New Part Price	Repair Price
A	Stripper Adapter Plate - Wear Plate	OK-G9016X	-	
B	Die Rail	OK-G9035X		
C	Pneumatic Valve - Tool Pack	OK-G9042		
D	Sensor - Guard Contact Switch - Magnetic	OK-K4200		
E	Lid - Tool Pack	OK-G9041X		
F	Die Pad	OK-G9122		
G	" T " Handle With Ball Knobs	OK-G9055		
H	Latch - Tool Pack Lid	OK-G9047B		
J	Angle Bracket - Back Plate	OK-G9049		

(Please contact our Sales Department for more information)

Top Load Tool Housing (New Style)



Conventional Tool Pack Assembly

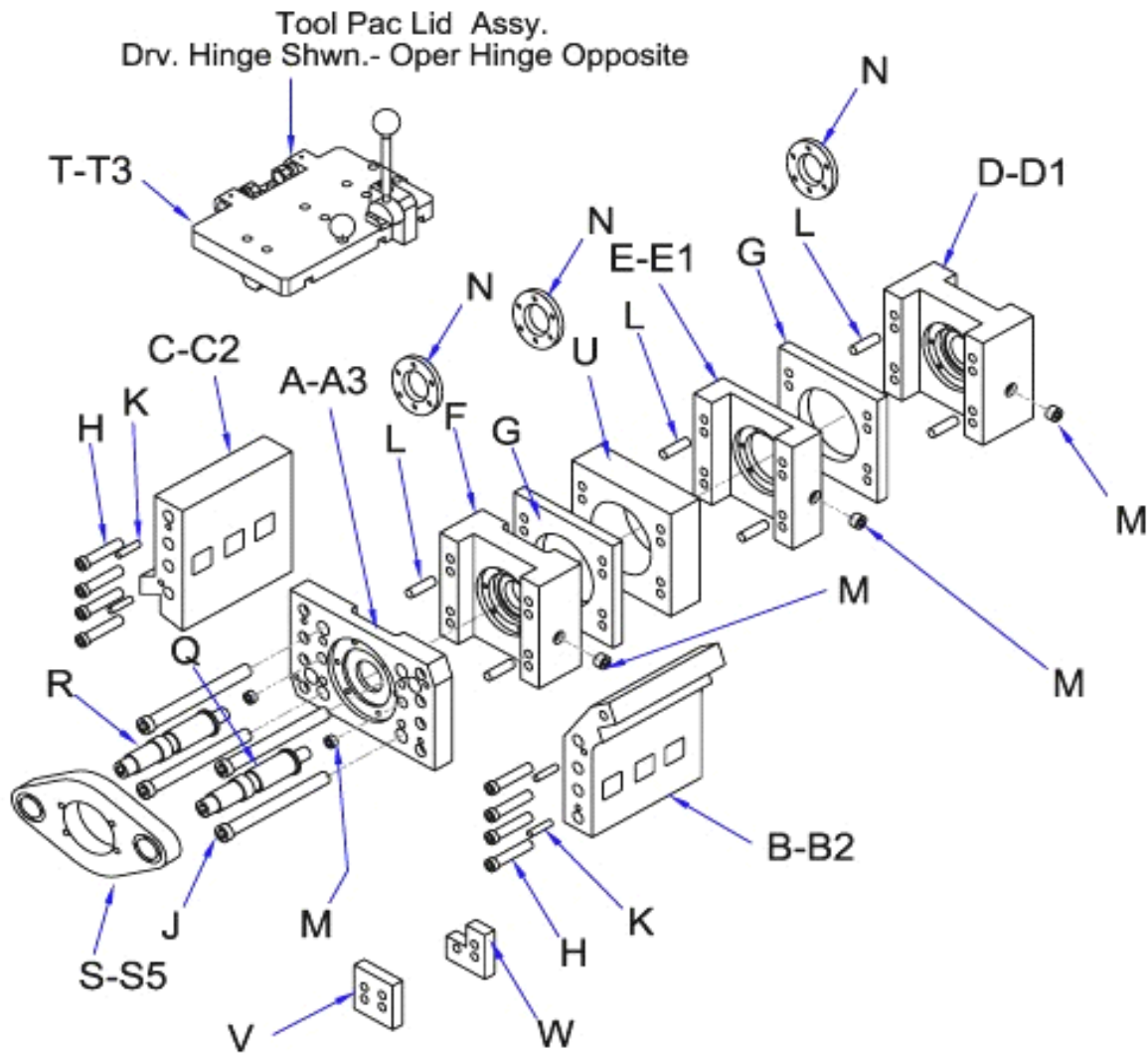
Complete Tool Pack Assembly

Conventional Tool Pack Assembly with Support Arms (18.5",21",24", 26.5") Includes all listed component parts. (Does <u>not</u> include Domer or Strain Rods.)	Call for pricing	
Tool Pack Assembly - 18.5" Stroke (Conventional)	OK-G1800	
Tool Pack Assembly - 21" Stroke (Conventional)	OK-G2600	
Tool Pack Assembly - 24" Stroke (Conventional)	OK-G2400	
Tool Pack Assembly - 26.5" Stroke (Conventional)	OK-G2700	

Tool Pack Plate Assembly Component Listing, See Illustration

Key	Description	OKL Part No.	New Part Price
A	Bolster Plate - 18-1/2" - 21"	OK-G1805	
A1	Bolster Plate - 24"	OK-G2405	
A2	Bolster Plate - Ball 18.5" - 21" (LH Threads)	OK-G1805A	
A3	(Call For Details)		
B	Operator Side Support Arm - 18-1/2"	OK-G1815	
B1	Operator Side Support Arm - 24"	OK-G2415	
B2	(Call For Details)		
C	Drive Side Support Arm - 18-1/2"	OK-G1810	
C1	Drive Side Support Arm - 24"	OK-G2410	
C2	(Call For Details)		
D	Redraw / 1st Container Plate - 18-1/2"	OK-G1820	
D1	Redraw / 1st Container Plate - 24"	OK-G2420	
E	2nd Container Plate - 18-1/2"	OK-G1825	
E1	2nd Container Plate - 24"	OK-G2425	
F	3rd Container Plate - 24"	OK-G2430	
G	Spacer Plate (26-1/2" ONLY)	OK-G2736	
H	Bolster Plate Bolts (Set of 8)	OK-G5310	
J	Container Plate Bolts (Set of 4)	OK-G5320	
K	Bolster Plate Dowel Pins (Set of 4)	OK-G5210	
L	Container Plate Dowel Pins (Set of 4)	OK-G5230	
M	Pipe Plugs (Set of 10)	OK-G5300	
N	Distributor Assy.	OK-G5808	
P	Coolant Block - 24" (not shown)	OK-G5330	
Q	Strain Rod – Operator Side (Please Specify Domer Type & Stroke)	Call	
R	Strain Rod – Drive Side (Please Specify Domer Type & Stroke)	Call	
S - S5	Domer Yoke Assembly	OK-G6100	
T	Tool Pack Lid Assembly - 24"	OK-G5800	
T1	Tool Pack Lid Assembly - 18.5"	OK-G1830	
T2	Tool Pack Lid Assembly - 21.0"	OK-G2690	
T3	Tool Pack Lid Assembly - 26.5"	OK-G2740	
U	Spacer 1.625 Thick	OK-G2635	
V	Cleats	Call	
W	"L" Blocks	Call	

Conventional Tool Pack Assembly

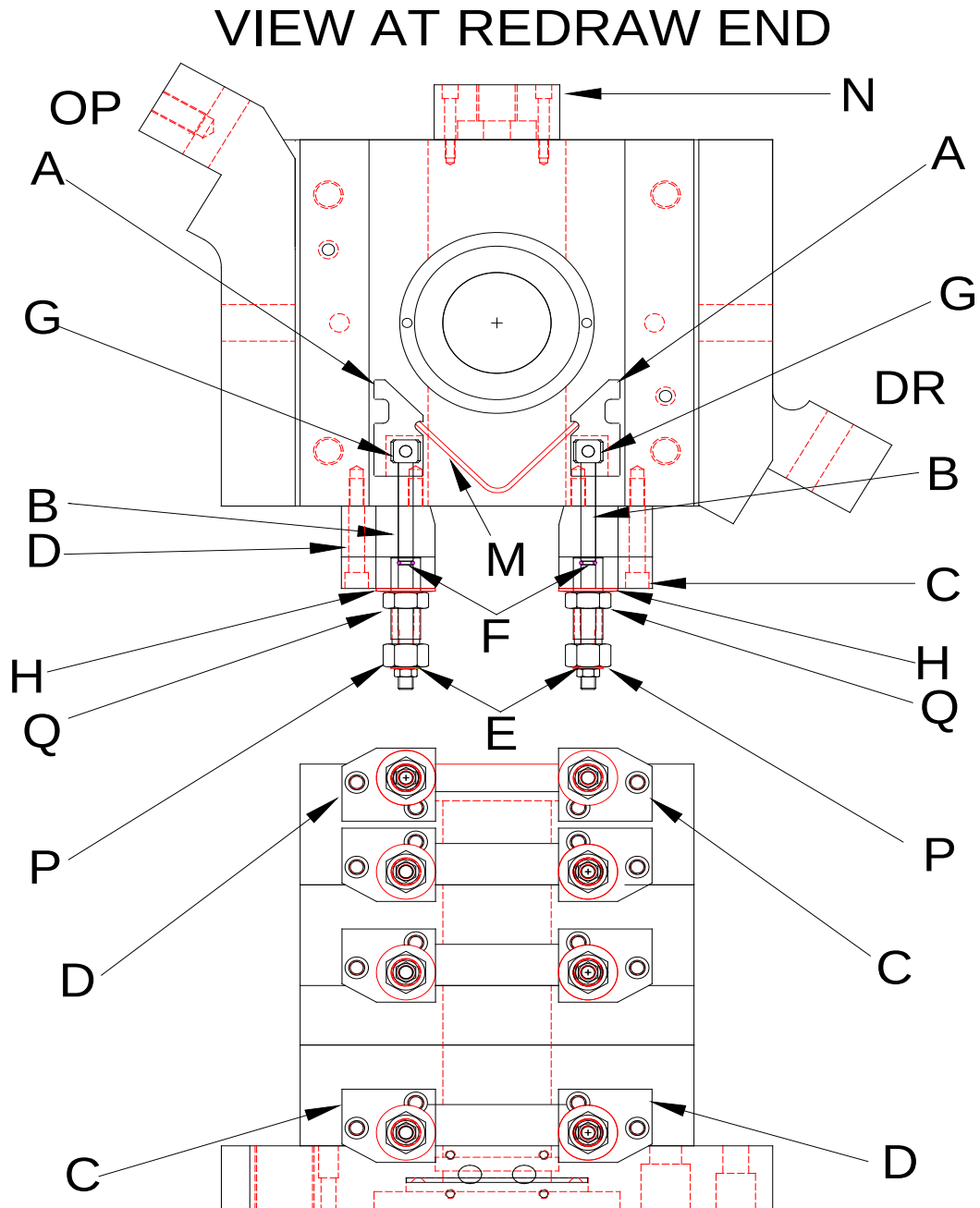


Conventional Tool Pack Wedge Assembly

Key	Description	OEM Part No.	OKL Part No.	New Part Price
A	Adjustment Wedge - Std.	42-1254-212	OK-G0100	
B	Eye Bolt	42-1254-214	OK-G4000	
C	Wedge Support Block 215 RH	42-1254-215	OK-G0300	
D	Wedge Support Block 216 LH	42-1254-216	OK-G0400	
E	Conical Spring Washer	AM201005	OK-G0500	
F	O-Ring	N0674-070	OK-G5010	
G	Dowel Pin	-	OK-G0700	
H	Wedge Large Spring Washer	42-1254-219	OK-G4900	
M	Wedge Spreader	42-1254-213	OK-G1200	
N	Lubrication Block	42-1254-319	OK-G1300	
P	Wedge Adjusting Collar	42-1254-221	OK-G0090	
Q	Adjusting Collar Jam Nut	42-1254-220	OK-G1610	
S	L-Block (Not Shown)	-	OK-G1900	
T	Coolant Distributor Assembly (Not Shown)	-	OK-G5808	
A,B, G	Wedge Eye Bolt Assembly	-	OK-G0046A	
-	Wedge Assembly (REF Support Block OK-G0300)	-	OK-G2305	
-	Wedge Assembly (REF Support Block OK-G0400)	-	OK-G2310	
U	Spring Plunger		OK-G5683	

Conventional Tool Pac Rework	Price
Metal Spray Plates to specifications, grind, align, pin, and reassemble	Call for quote
Chrome and Re-grind Support Arms	Call for quote
Regrind Support Arms Only	Call for quote
Modify Hole Patterns for Ironing Die Cover	Call for quote
Machine new style Cup Locator mounting holes	Call for quote
Re-grind existing Wedges (Set of 8)	Call for quote
Align and Pin Plates together	Call for quote

Conventional Tool Pack Wedge Assembly



OKL Conventional Tool Pack Lid Assembly

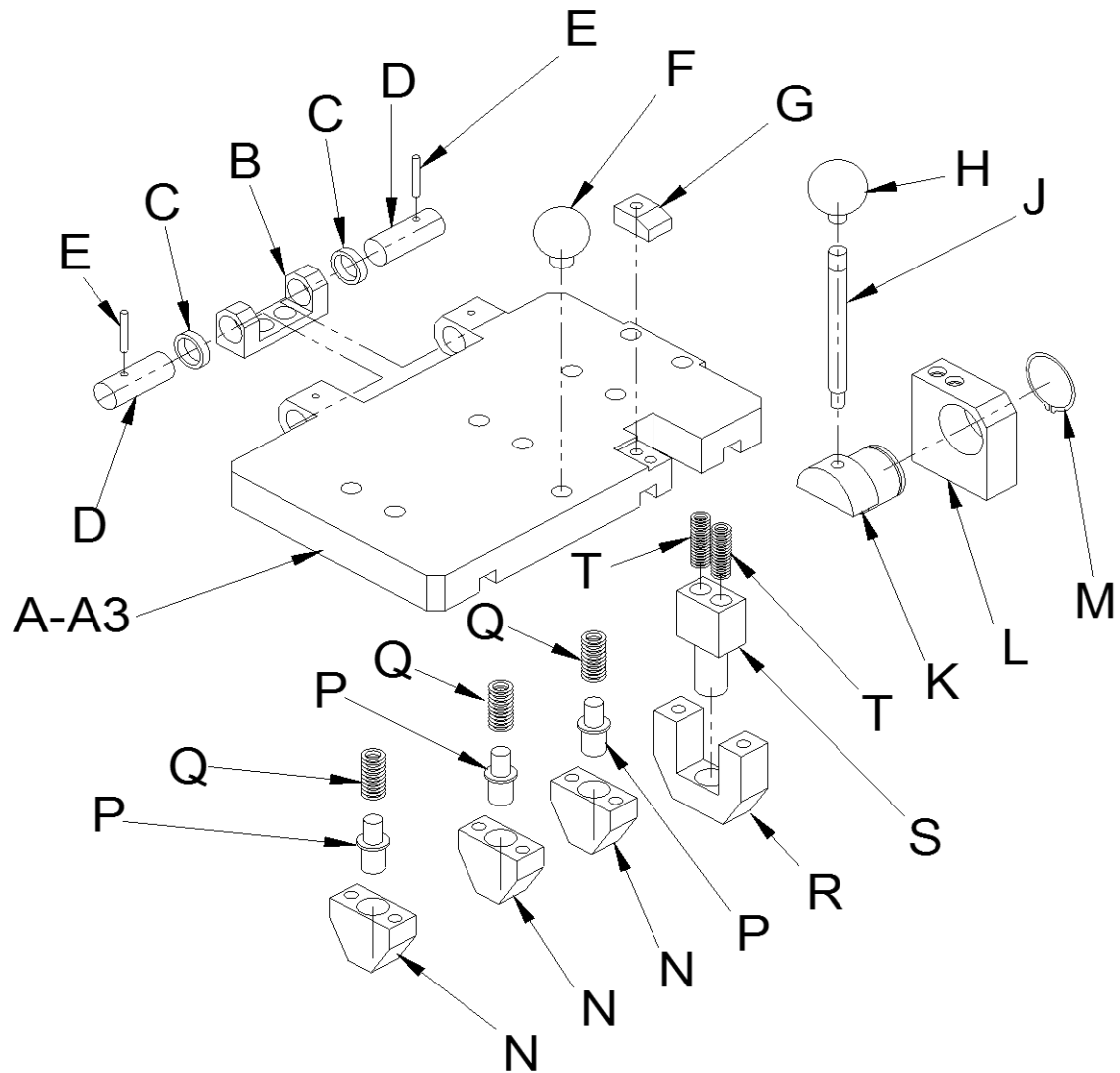
Tool Pack Lid Assembly	
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Tool Pac Lid Assembly Component Listing, See Illustration

Key	Description	OKL Part No.	New Part Price
A	Tool Pack Lid - 18-1/2" Drive Side Hinging	OK-G1831	
A1	Tool Pack Lid - 21" Operator Side Hinging	OK-G8058A	
A2	Tool Pack Lid - 24" Drive Side Hinging	OK-G5801	
A3	Tool Pack Lid - 26.5" Drive Side Hinging	OK-G2741	
B	Hinge Block - 24"	OK-G5590	
C	Locking Collar	OK-G5520	
D	Hinge Pin	OK-G5600	
E	Roll Pin	OK-G5530	
F	Cover Lid Ball	OK-G5500	
G	Locking Block	OK-G5650	
H	Handle Ball	OK-G5510	
J	Handle	OK-G5640	
K	Cam	OK-G5630	
L	Cam Housing - Operator Side Hinging	OK-G5621	
L1	Cam Housing - Drive Side Hinging	OK-G5622	
M	Snap Ring	OK-G5560	
N	Die Spring Retainer - Single - 7.25 dia Die Container	OK-G5660	
N1	Die Spring Retainer - Single - 6.00 dia Die	OK-G5660A	
N2	Die Spring Retainer - Double - 7.25 dia Die Container	OK-G5662	
N3	Die Spring Retainer - Double - 6.00 dia Die	OK-G5663	
P	Die Spring Plunger - 7.25 dia Die Container	OK-G5661	
P1	Die Spring Plunger - 6.00 dia Die	OK-G5661A	
Q	Die Spring - Single or Double Retainer	OK-G5550	
R	Die Spring Retainer - Redraw	OK-G5670	
S	Die Spring Plunger - Redraw	OK-G5671	
T	Die Spring - Redraw	OK-G5540	

Note: Drive Side Hinge Mounting Is Shown, Operator Side Is Opposite

OKL Conventional Tool Pack Lid Assembly

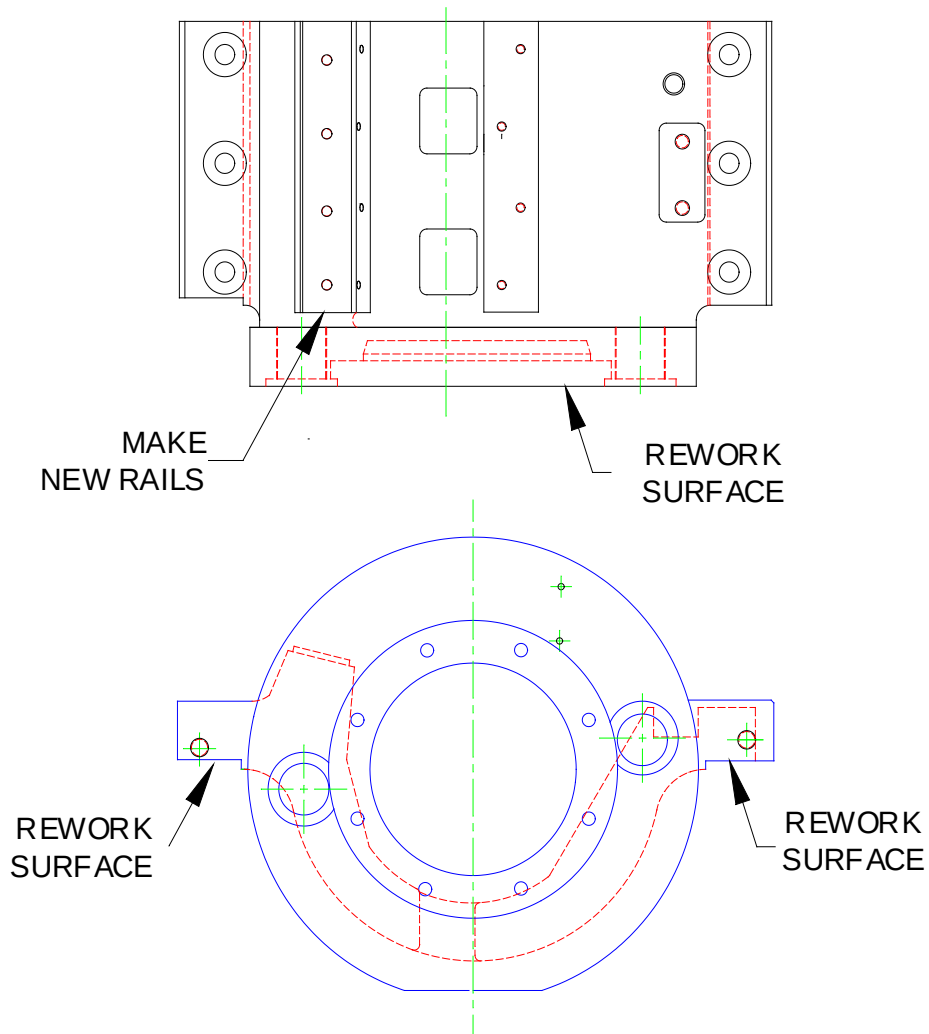


NOTE: DRIVE SIDE HINGE SHOWN, OPERATOR SIDE (OPPOSITE)

Rexam (ANC Style) Tool Housings Rework

Key	Description	OKL Part No.	New Part Price	Repair Price
A	Rexam (ANC) Top Load Tool Housing			

Rexam (ANC Style) Tool Housings Rework



Q - OKL Servo Driven Rotary Cup Feed (SRCF) System

OKL Direct Drive Servo Driven Rotary Cup Feed (SRCF) Includes all component mechanical and electrical parts. P/N OK-	
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Q - OKL Servo Driven Rotary Cup Feed (SRCF) System Auxiliary Encoder Assembly (Belt Driven)

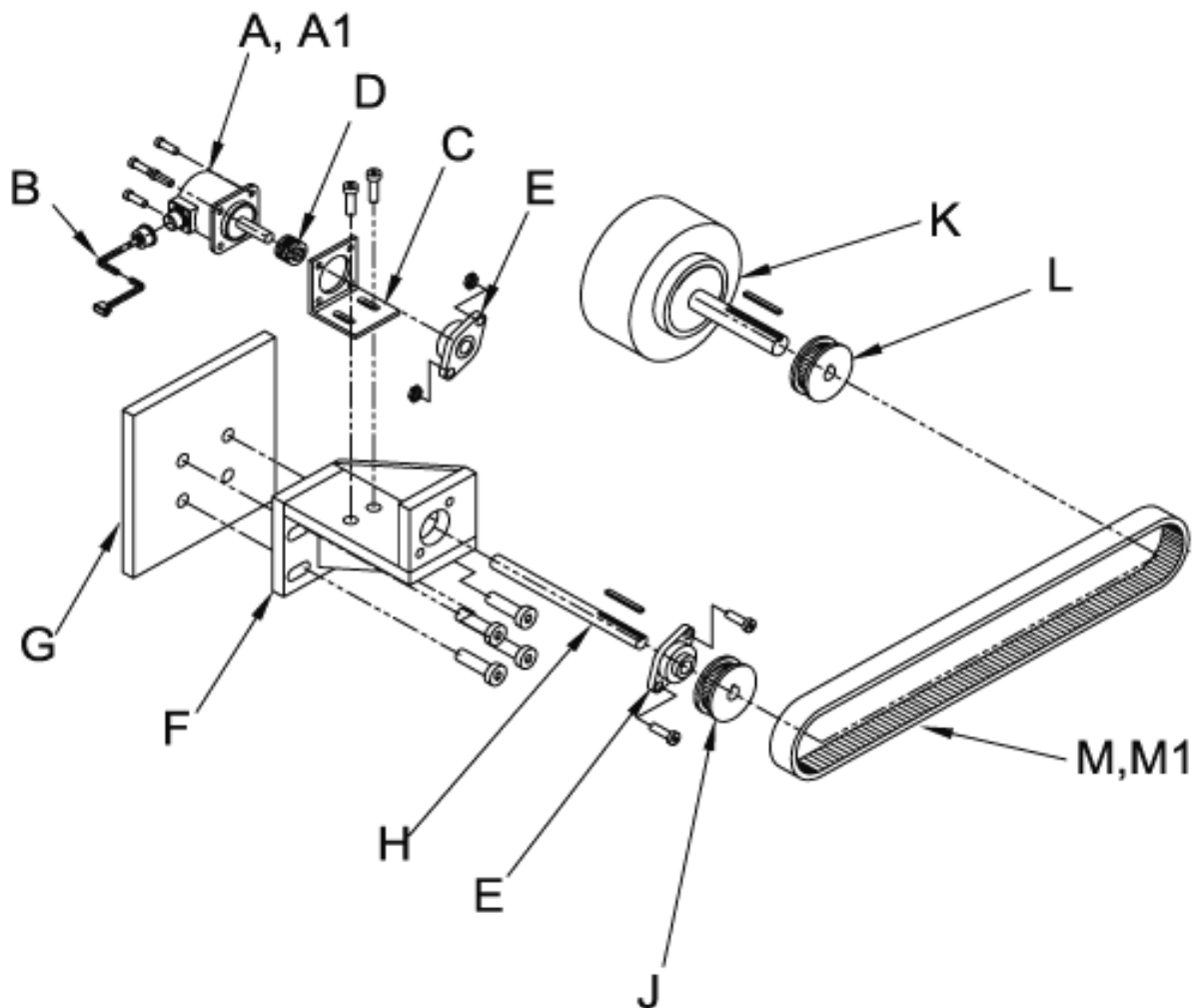
Complete New Servo Driven Auxiliary Encoder Assembly (OK-R1050)	
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Auxiliary Encoder Assembly Component Listing, See Illustration

Key	Description	OKL Part No.	New Part
A	Auxiliary Encoder - Gen 2	OK-R2041	
A1	Auxiliary Encoder - Gen 3 (digital)	OK-R4215	
B	Cable Set	OK-R4210C	
C	Encoder Mount	OK-R0104	
D	Encoder Coupling (Flex Coupling)	OK-R2008	
E	Flange Bearing	OK-R2007	
F	Encoder Bracket	OK-R0102	
G	Mounting Plate	OK-R0103	
H	Encoder Shaft	OK-R0034	
J	Encoder Timing Pulley	OK-R2014	
K	Crank Hub Assembly	OK-R0210	
L	Crank Timing Pulley	OK-R2003	
M	Encoder Timing Belt	OK-R2042	
M1	Encoder Timing Belt	OK-R2042X	
N	Guide – Servo Motor	OK-RXXXX	

Price Information for Complete SRCF Packages can be Seen Above

OKL Servo Driven Rotary Cup Feed (SRCF) System Auxiliary Encoder Assembly



OKL Servo Driven Rotary Cup Feed (SRCF) System Track Support Arm Assembly

Complete New Track Support Arm Assembly (OK-R1060)

Track Support Arm Assembly Component Listing, See Illustration

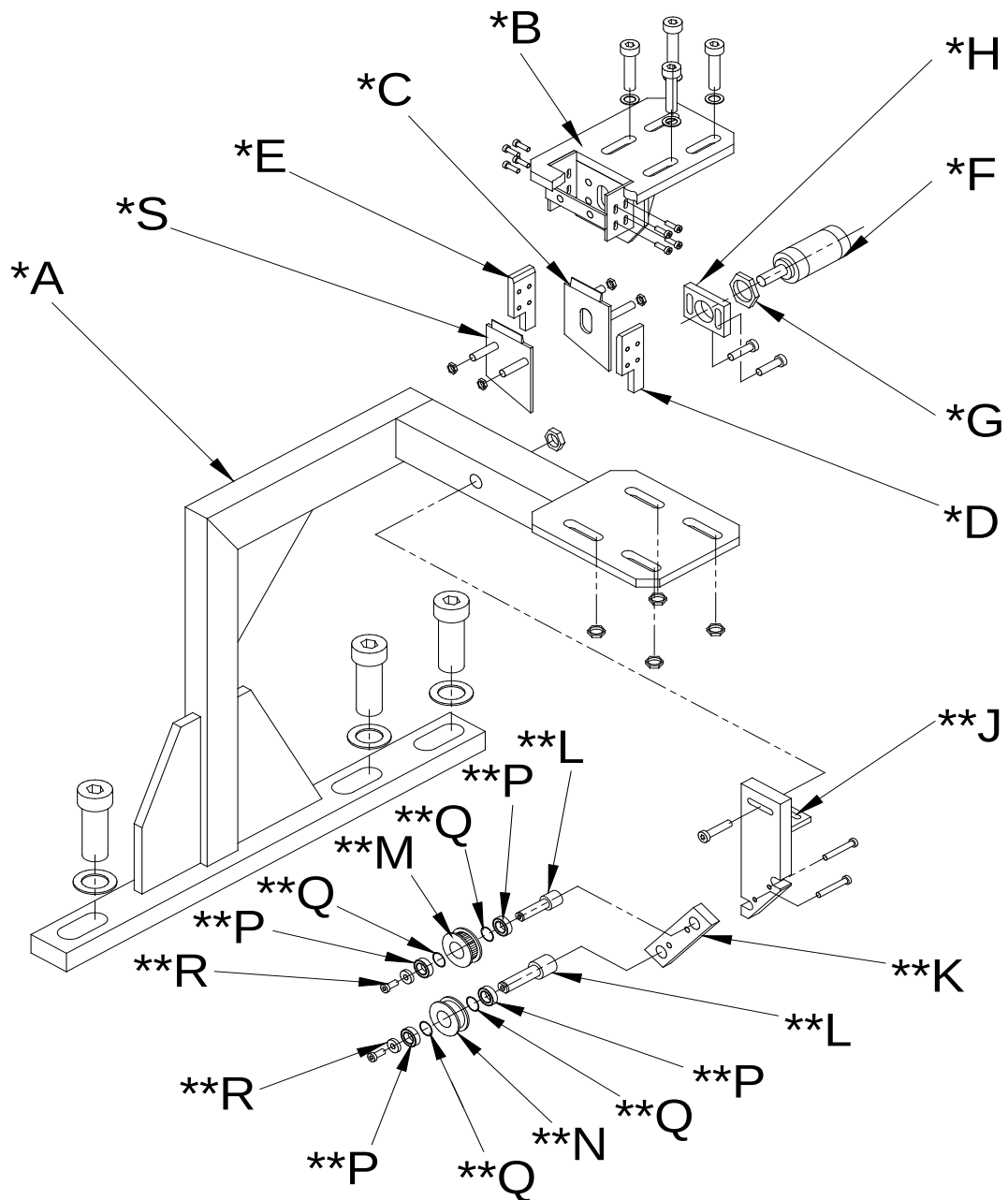
Key	Description	OKL Part No.	New Part Price
*A	Track Support Arm	OK-R0025	
*B	Cup Drop Housing	OK-R0112	
*C	Cup Drop Back Plate	OK-R0085	
*D	Guide Plate (Operator Side) (Thickness Varies With Cup Diamete	OK-R0083	
*E	Guide Plate (Drive Side) (Thickness Varies With Cup Diameters)	OK-R0084	
*F	Air Cylinder	OK-R2017	
*G	Air Cylinder Jam Nut	OK-R2002	
*H	Air Cylinder Mounting Plate	OK-R0036	
**J	(Call For Details)		
**K	(Call For Details)		
**L	(Call For Details)		
**M	(Call For Details)		
**N	(Call For Details)		
**P	(Call For Details)		
**Q	(Call For Details)		
**R	(Call For Details)		

Note: Parts marked * are used on "Belt Driven" Servo Rotary Cup Feed
 Note: Parts marked ** are used on "Direct Drive" Servo Rotary Cup Feed

OKL Servo Driven Rotary Cup Feed (SRCF) System Track Support Arm Assembly

* Parts used on both "Belt Driven" & "Direct Drive"

** Parts used on "Belt Driven" Only



OKL Servo Driven Rotary Cup Feed System Cam and Cup Locator Assembly

Complete New Cam and Cup Locator Assembly (OK-R1000)	
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Cam and Cup Locator Assembly Component Listing, See Illustration

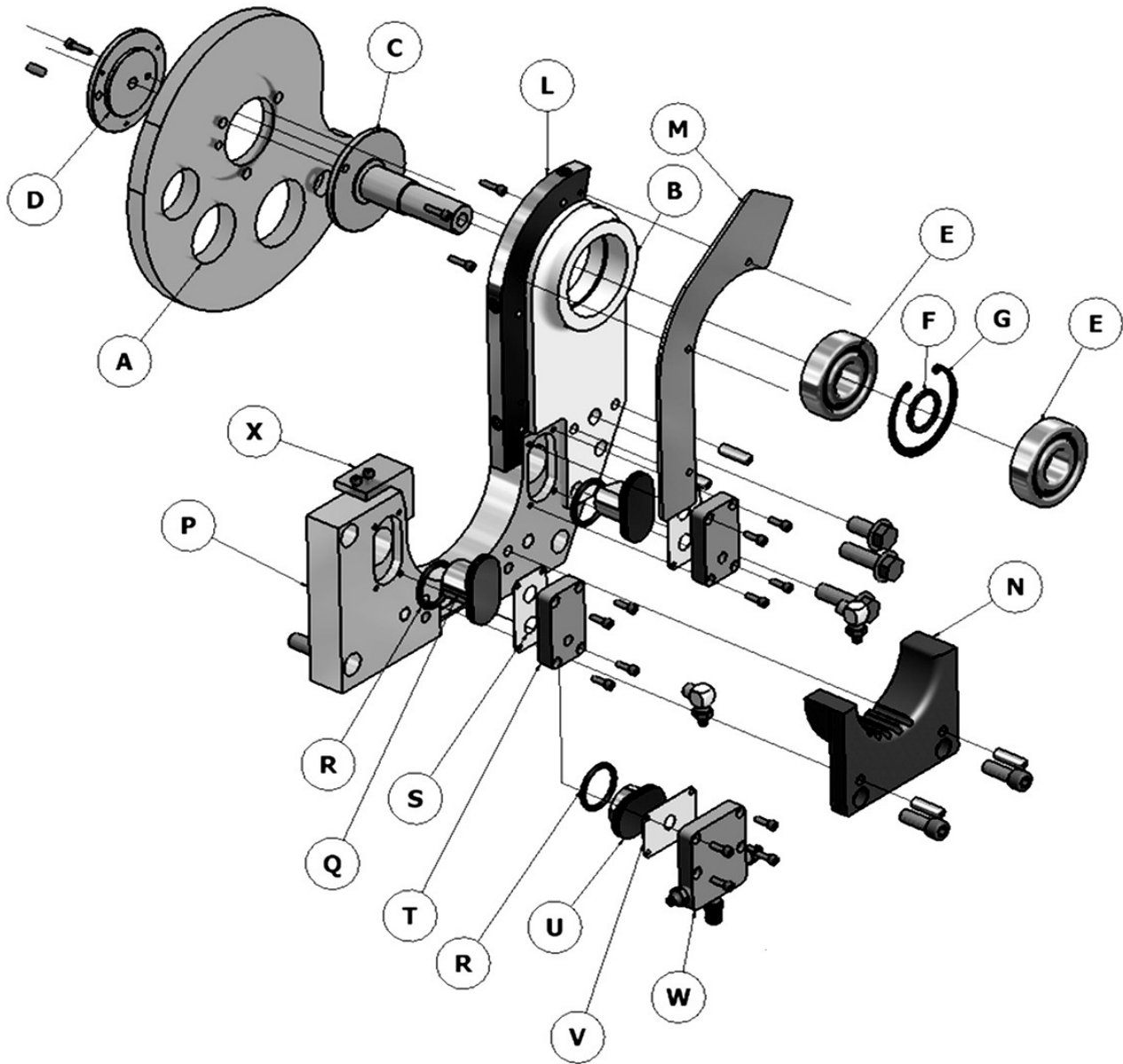
Key	Description	OKL Part No.	New Part Price
***A	Cam - 3.523 OD Cup	OK-R0001	
***A1	Cam - 3.406 OD Cup	OK-R0002	
***A2	Cam - 3.648 OD Cup	OK-R0125	
***A3	Cam - 3.132 OD Cup	OK-R0131	
B	Cam Support Arm (Belt Drive)	OK-R0003	
C	Cam Spindle	OK-R0007	
D	Cam Spindle Cap	OK-R0072	
E	Cam Bearing	OK-R2009	
F	Cam Bearing Spacer	OK-R0018	
G	Snap Ring	OK-R2010	
H	Cam Timing Pulley	OK-R2013	
J	Taper Lock Bushing	OK-R2057	
K	Spindle Washer	OK-R0035	
*L	Inner Guide - 3.523 OD Cup	OK-R0060	
*L1	Inner Guide - 3.406 OD Cup	OK-R0006	
*L2	Inner Guide - 3.648 OD Cup	OK-R0127	
*L3	Inner Guide - 3.132 OD Cup	OK-R0139	
*M	Inner Retainer - 3.132 OD x 1.625 Tall Cup	OK-R0012	
*M1	Inner Retainer - 3.132 OD x 1.625 Tall Cup	OK-R0140	
*M2	Inner Retainer - .310 offset	Ok-R0096	
*M3	Inner Retainer - .269 offset	Ok-R0145	
*M4	Inner Retainer - .470 offset	OK-R0150	
*M5	Inner Retainer - .220 offset	Ok-R0162	
*N	Cup Locator - 3.523 OD Cup	OK-R0027	
*N1	Cup Locator - 3.406 OD Cup	OK-R0062	
*N2	Cup Locator - 3.648 OD Cup	OK-R0124	
*N3	Cup Locator - 3.132 OD Cup	OK-R0129	
**P	*Cup Locator Mounting Plate (Piston Type, Top Loading) (Shown)	OK-R0105	
P1	*Cup Locator Mounting Plate (Without Pistons) (Conventional)	OK-R0119	
***Q	Side Piston	OK-R0106	
***R	Piston O-Ring	OK-R2056	
***S	Side Piston Gasket	OK-R0115	
***T	Side Piston Retainer	OK-R0107	
***U	Bottom Piston	OK-R0108	
***V	Bottom Piston Gasket	OK-R0116	
***W	Bottom Piston Retainer	OK-R0109	
X	Wear Pad (3.406 Dia. (NOT SHOWN))	OK-R0117	
X1	Wear Pad (3.122 Dia. (NOT SHOWN))	OK-R0166	
X2	Wear Pad (5.523 Dia. (NOT SHOWN))	OK-R0167	

* Are Cup Size Specific

** Because many different variations exist for Tool Housings, call us with your Tool Housing

*** Piston Parts Used On OK-R0105 Cup Locator Mounting Plate

OKL Servo Driven Rotary Cup Feed System Cam and Cup Locator Assembly



OKL Servo Driven Rotary Cup Feed System Gen. - 4 Chain Drive w/ Isolator

Gen 3 Direct Drive Servo Drive Rotary Cup Feed (OK-R4000)

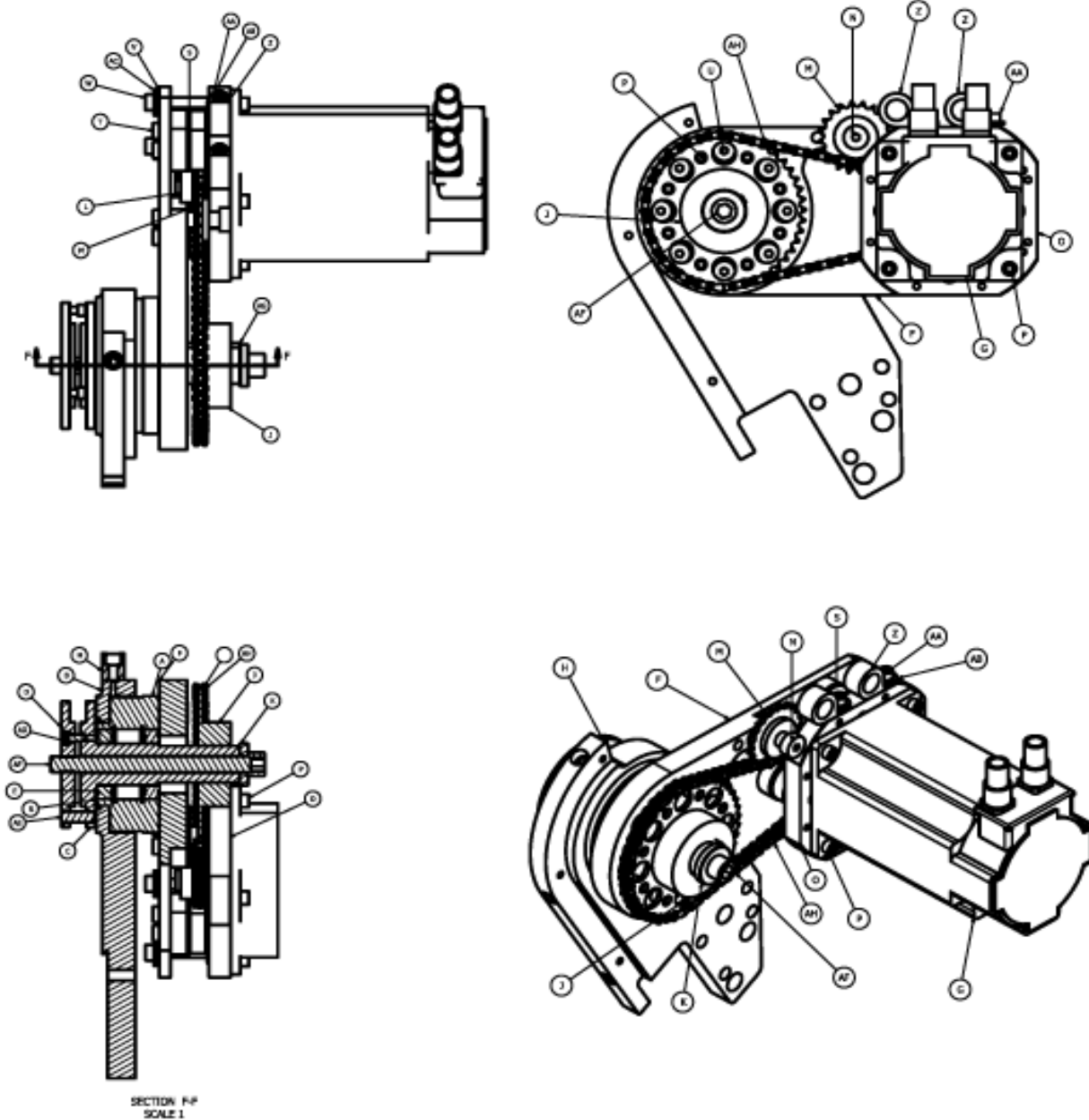
Direct Drive Cam and Cup Locator Assembly Component Listing, See Illustration

Key	Description	OKL Part No.	New Part Price
A	Cartridge - Cam Brg.	OK-R4104A	
B	Support Arm	Reference	
C	Cam - Spindle	OK-R0107	
D	Cap - Spindle	OK-R0072	
E	Ball Brg. Cam Spindle	OK-R4105A	
F	Motor Mount	OK-R4106A	
G	Servo Motor	SXXXN61	
H	Inner Guide	Reference	
J	Sprocket - Cam	OK-R4107A	
K	Washer, Spacer	OK-R0035A	
L	Sprocket, Motor	OK-R4108A	
M	Idler Sprocket	OK-R4111A	
N	Shoulder Bolt - .375 x 0.75 Lg.		
O	Adapter - Motor Mount	OK-R4112A	
P	SHCS - #10-24 x 0.75 Lg.		
Q	SHCS - .25-20 x 0.375 Lg.		
R	Snap Spring	OK-R4113A	
S	Isolator Mount	OK-R4110	
T	SHCS - .25-20 x 0.75 Lg.		
U	FHCS - .25-20 x 0.875 Lg.		
V	Seal - Safety Catch	OK-R4109A	
W	Shoulder Bolt - .250 x 1.25 Lg.		
X	Clamp	FIT0116	
Y	Seal - Motor Mount	OK-R4115A	
Z	O-Ring - Face Seal	OK-R4116A	
AA	SHCS - # 10-24 x 0.38 Lg.		
AB	Washer - #10 SAE		
AC	Washer - .25 SAE		
AD	SHCS - #10-24 x 0.375 Lg.		
AE	Dowel Pin - .25 Dia. X 0.75		
AF	SHCS - .375-24 x 4.50 Lg.		
AG	Key	OK-R2005	
AH	Chain - # 25 Inside Link		
	Chain - # 25 Outside Link		

* Piston Parts Used On OK-R0105 Locator Mounting Plate

** Because Many Different Variations Exist for Tool Housings, Call Us With Your Needs

OKL Servo Driven Rotary Cup Feed System Gen. - 4 Chain Drive w/ Isolator



OKL Servo Driven Rotary Cup Feed (SRCF) System Back Plate Assembly (Housing Pivot)

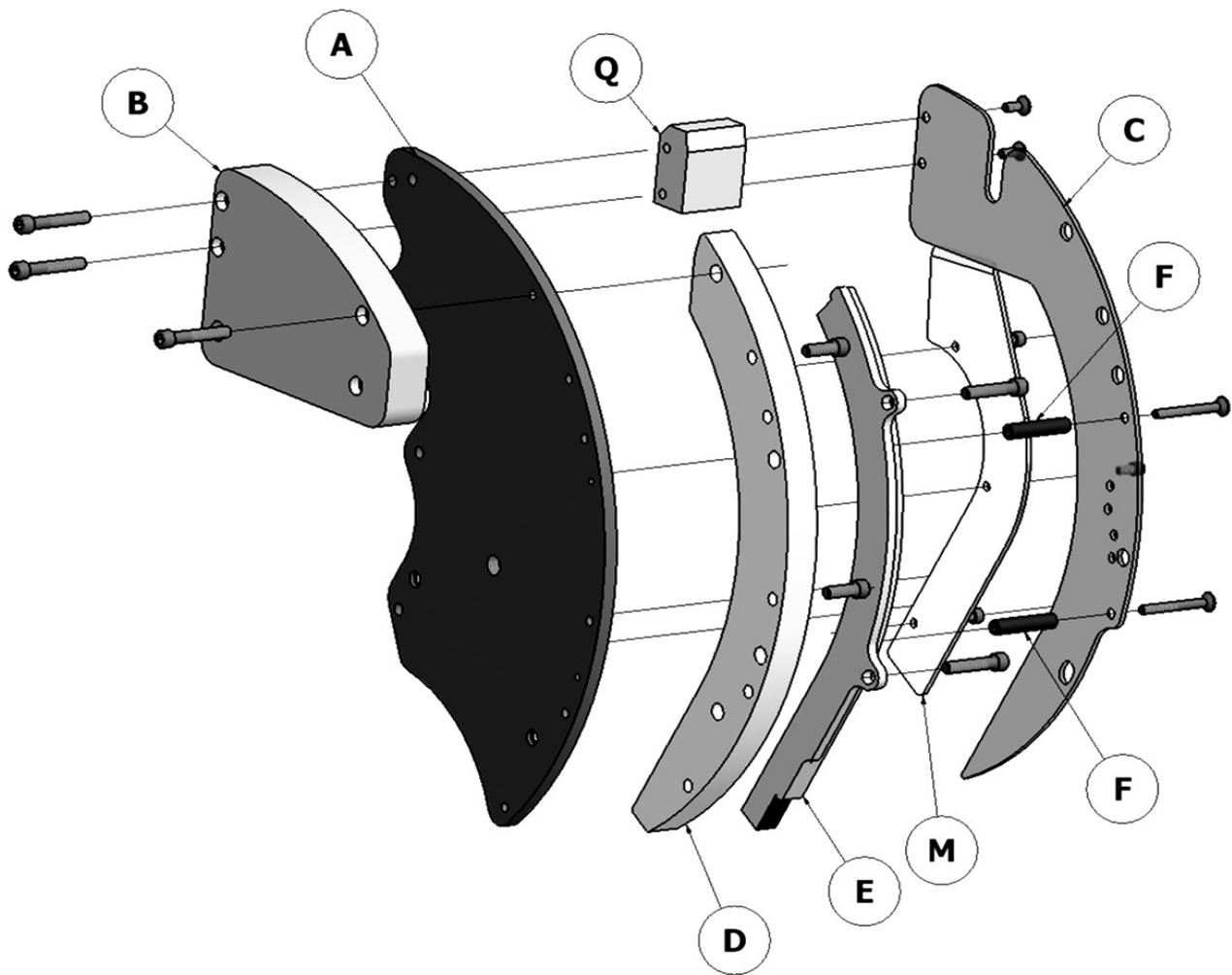
Servo Driven Rotary Cup Feed Assembly	
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Back Plate Assembly Component Listing, See Illustration

Key	Description	OKL Part No.	New Part Price
A	Back Plate	Call	-
B	Back Plate Counterweight	Call	-
C	Outer Retainer	Call	-
D	Outer Guide - 3.523 OD Cup (Top Loading Tool Housing)	Call	-
D1	Outer Guide - 3.523 OD Cup (Conventional Tool Housing)	Call	-
D2	Outer Guide - 3.406 OD Cup (Top Loading Tool Housing)	Call	-
D3	Outer Guide - 3.406 OD Cup (Conventional Tool Housing)	Call	-
D4	Outer Guide - 3.648 OD Cup (Top Loading Tool Housing)	Call	-
D5	Outer Guide - 3.132 OD Cup (Top Loading Tool Housing)	Call	-
D6	Outer Guide - 3.648 OD Cup (Conventional Tool Housing)	Call	-
D7	Outer Guide - 3.016 OD Cup (Conventional Tool Housing)	Call	-
E	Brush Guide	Call	-
* F	Guide Stand-Off (1.625 Long)	OK-R0038	
F1	Guide Stand-Off (1.285 Long)	OK-R0039	
F2	Guide Stand-Off (1.500 Long)	OK-R0170	
G	Proximity Switch-Sourcing (Gen 2)	OK-R5390	
J	Back Plate (Front Loading Tool Housing)	OK-R0046	
K	Back Plate Pivot Shaft (Front Loading Tool Housing)	OK-R0047	
L	Shoulder Bolt	OK-R2070	
M	Back Plate Stop Housing	OK-R0051	
N	Back Plate Stop	OK-R0052	
P	Spring Plunger	OK-R2071	
R	Sensor Bracket	OK-R0031	
Q	Stand Off Block		

OKL Servo Driven Rotary Cup Feed (SRCF) System Back Plate Assembly (Housing Pivot)

***Cup Height and Diameter Specific: Call for assistance**



OKL Servo Driven Rotary Cup Feed System

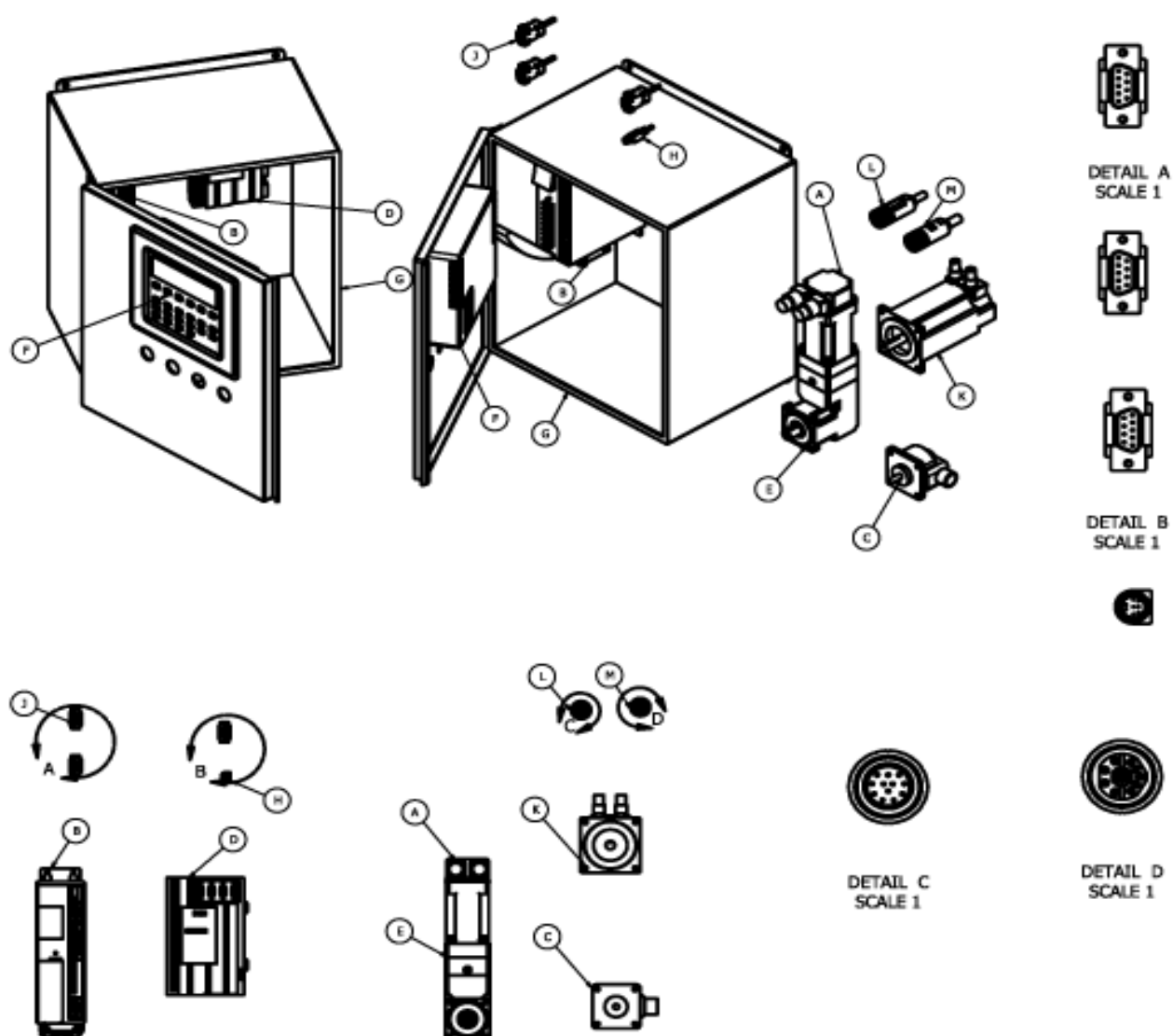
Servo Cup Feed Electrical Parts Listing

Key	Description	OKL Part No.	New Part Price	Repair Price
A	Servo Motor - Gen-3 RCF (AKM22E-CKGNR-00)	OK-R4200		
B	Servo Amplifier / Motor Drive Gen-4 Cup Feed Program	OK-R4205		
C	Encoder	OK-R4215		
D	Trio-Motion controller Gen-4 Program Loaded	OK-R4225		
E	Right Angle Planetary Gearhead Ass'y	OK-R4230		
F	Data Panel - Rotary Cup Feed	OK-R4235		
G	Control Enclosure - Rotary Cup Feed	OK-R4245		
H	Communication Cable - Motion Control	OK-R4285		
J	Communication Cable - 9 Pin Ea. End for Drive/Amp.	OK-R4300		
K	AMK42E Series - Brushless Servo Motor	SXXXN61		
L	Feedback Cable - Rotary Cup Feed - 12 Pin	CF-SS-RHAE		
M	Power Cable - Rotary Cup Feed - 8 Pin	CP-SS-A1HE		

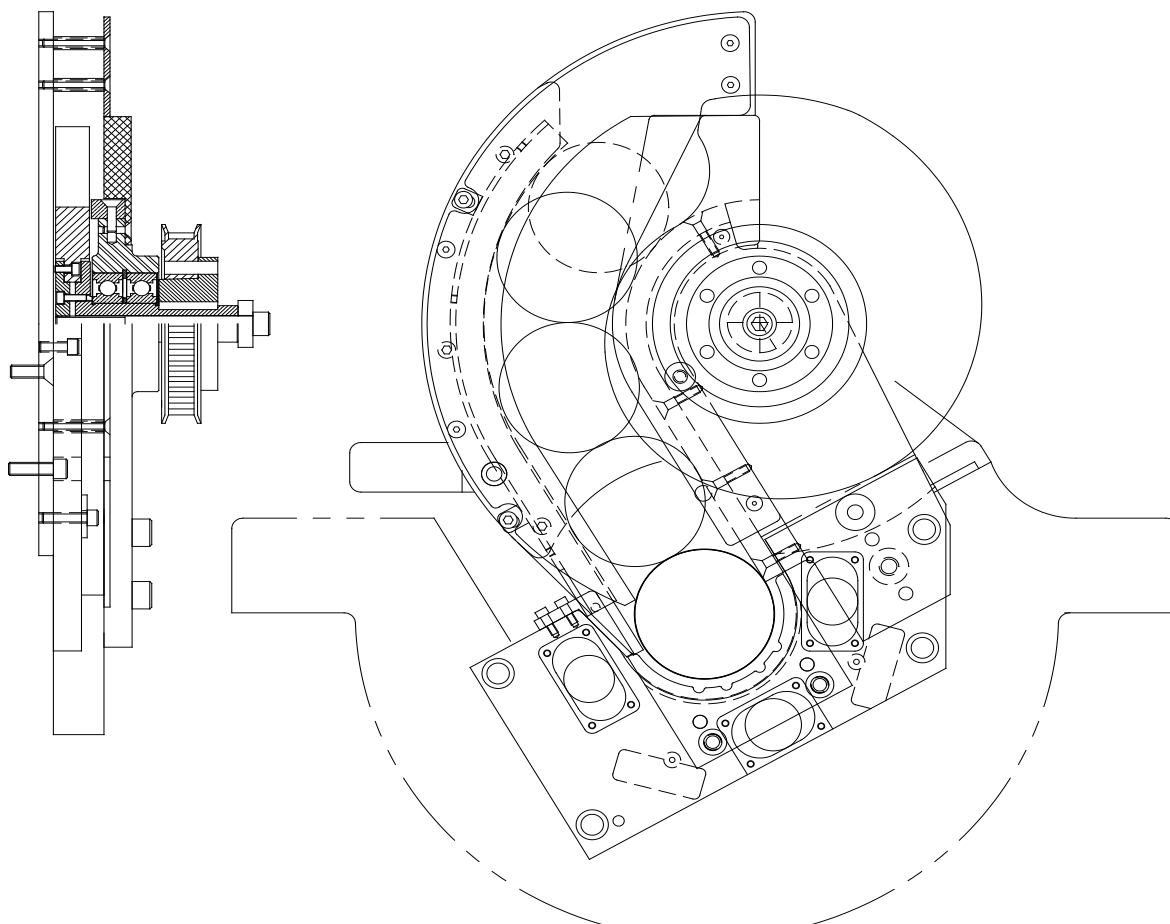
Upgrade Packages - Call for Pricing

RCF (Gen-4) SRCF Elec. Electrical Package Gen 4	RCF Gen 4-01	Call	
RCF (Gen-3) SRCF Elec.Package Gen 3 - Electronics	RCF Gen 3-01	Call	
RCF (Gen-3) Upgrade From OEM Mechanical to OKL Gen-3 Brackets	RCF Gen 3-01A	Call	
RCF (Gen-3) Upgrade From OKL Gen-2 SRCF to Gen-3 Brackets	RCF Gen 3-01B	Call	

OKL Gen 3 Rotary Cup Feed System Control Box Assembly



OKL Servo Driven Rotary Cup Feed (SRCF) System Rotary Cup Feed Size Conversion Kit



**RCF Size Change Conversion Kits Are Quoted
Separately Per Customer Cup Requirements**

Notes:

R - Redraw Idler Assembly

Standard or Highspeed Redraw Idler Assembly	OK-C1200	
Includes all components except Cam Followers (103803), which must be supplied by customer.		

Redraw Idler Assembly Component Listing, See Illustration

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A1	Redraw Idler (Highspeed) Steel	112733	OK-C0500		
A2	Redraw Idler (Highspeed) Aluminum	-	OK-C0505		-
B	Redraw Idler Positioner	102937	OK-C0200		-
C	Bearing Cartridge	102353	OK-C0300		-
D	Standard Speed Idler Shaft	102355	OK-C0400		-
D1	High Speed Idler Shaft	109591	OK-C0405		-
E	Cam Follower	103803	OK-C1100		-
F	Master Shim (.200" Thick)	-	OK-i2500		-
G	Shim Pack**	114682	OK-i2550		-
H	Bearing	700050	OK-C0600		-
J	Bearing Snap Ring	770040	OK-C0700		-
K	Cartridge O-Ring	770900	OK-C0800		-
L	Cartridge Face O-Ring	770920	OK-C0900		-
M	Bearing Cartridge Cap	114683	OK-C1000		-
N	Divider Block - 3	768970	OK-C1300		-
N1	Divider Block - 4	-	OK-C1310		-
Q	Hex Nut 1 3/8 - 12	-	OK-C1110		-

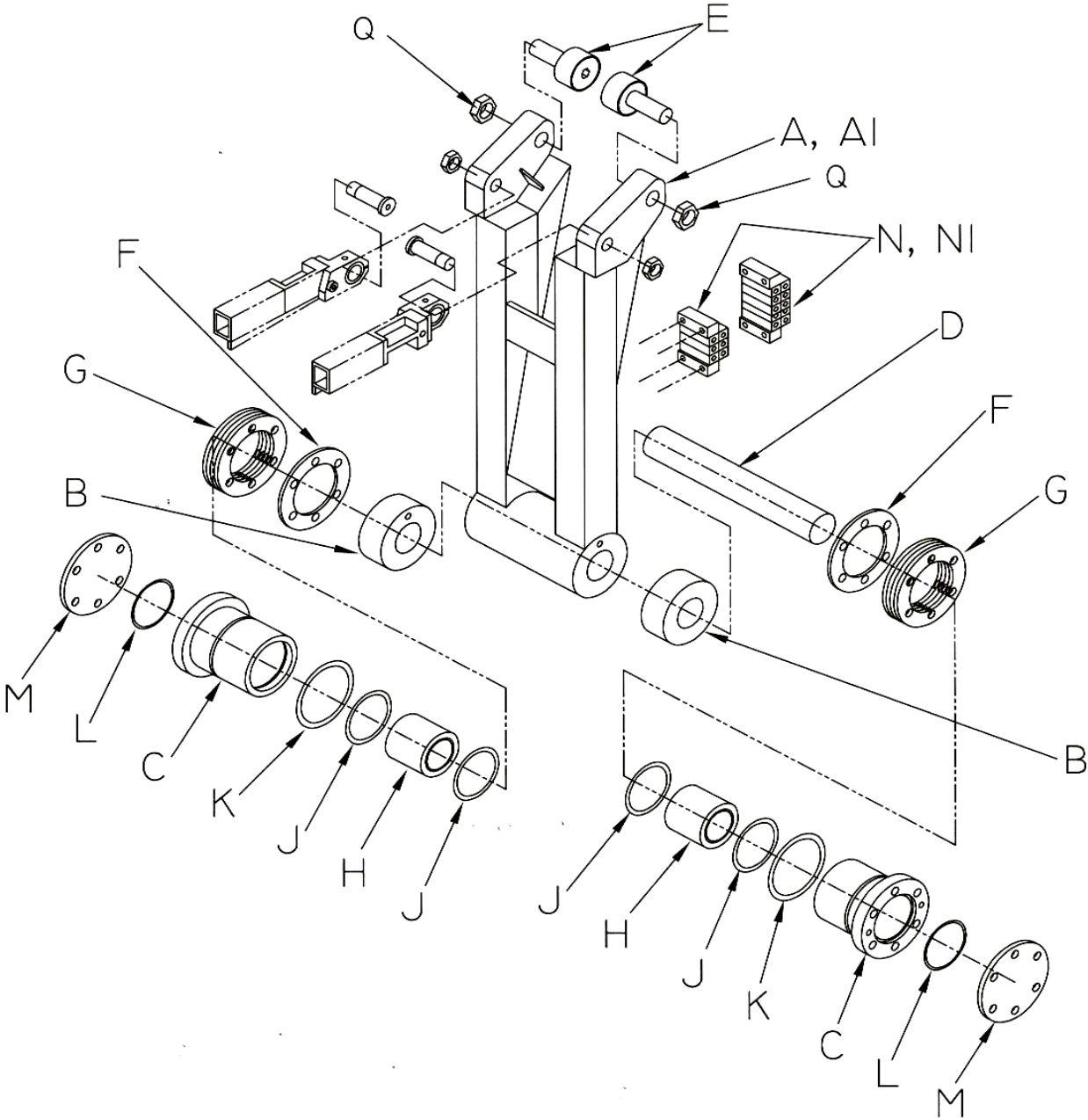
We occasionally have reconditioned parts for sale, Call for pricing and delivery.

SNK to OKL Idler Conversion

Key	Description	OKL Part No.	New Part Price	Repair Price
C1	SNK to Ragsdale Bearing Cartridge	OK-C0350		
G1	SNK Shim Pack	OK-i2500		
P	Conversion Kit SNK - Standard	OK-C2000		

**Shim Pack Includes:					
Qty.	Description	OKL Part No. (STD)	OKL Part No. (SNK)	New Part Price	Repair Price
1	.200" Thick Master Shim	OK-i2500	OK-i2510		-
2	.010" Thick Shim	OK-i2540	OK-i2541		-
4	.005" Thick Shim	OK-i2530	OK-i2531		-
4	.003" Thick Shim	OK-i2520	OK-i2521		-

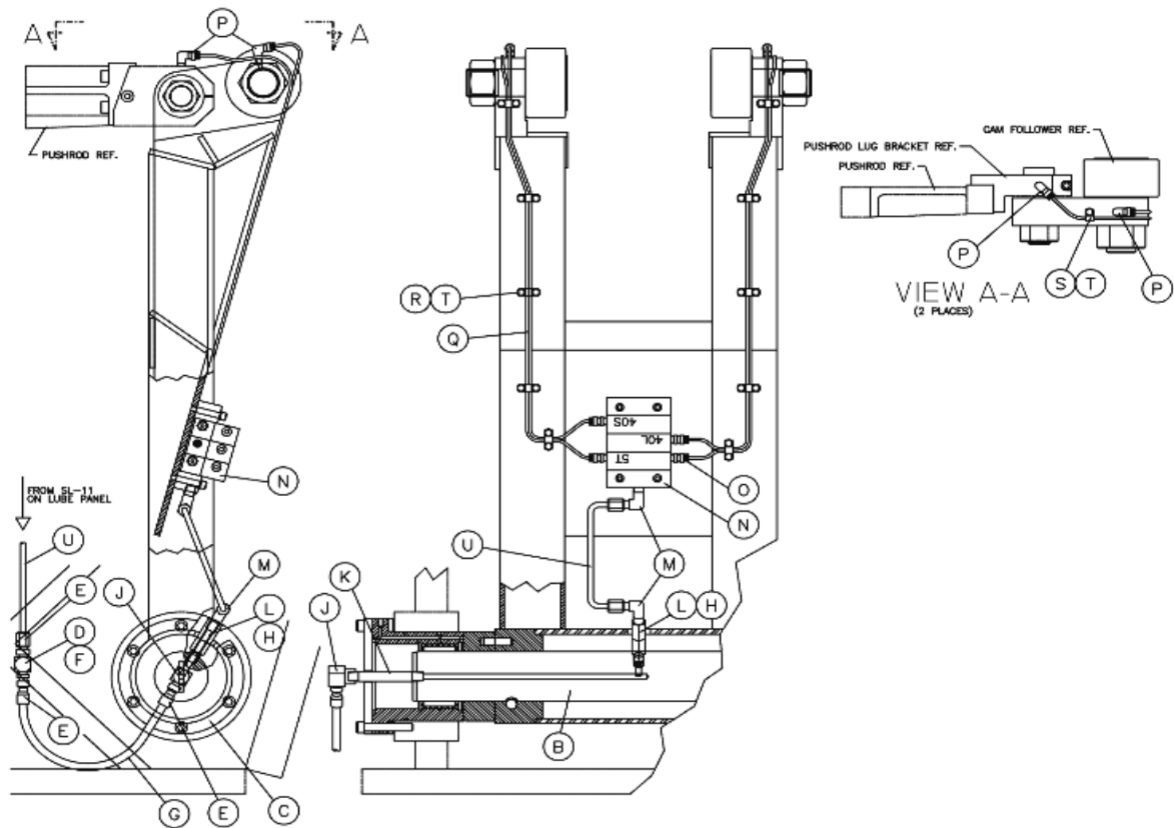
Redraw Idler Assembly



Redraw Idler (High Speed Lubrication)

Key	Description	OKL Part No.	New Part Price	Repair Price
A	Redraw Idler Ass'y	OK-C1200		
B	Idler Shaft - High Speed	OK-C0405		
C	Bearing Cartridge Cap - High Speed	OK-C1050		
D	" T " Adapter 1/4" NPT Female (3) Places	FIT0073		
E	Straight Fitting 1/4" NPT - 1/4" Comp.	FIT0072		
F	Nipple 1/4" x 1.5" lg.	FIT0097		
G	Hose 1/4" - Nylon	N04		
H	Coupling 1/4" NPT (F) To 1/4" NPT (F)			
J	90 Degree Fitting 1/4" NPT Female (2) Places			
K	Nipple 1/4" x 3 1/2" lg.			
L	Adapter 1/8" NPT (M) To 1/4" NPT (M)			
M	Elbow Fitting 1/4" NPT - 1/4" Comp.	FIT0052		
N	Injector MSP-3-05T-40L-40S	OK-C1300		
O	Connector 1/8" - Pushlock	FIT0028		
P	90 Degree Connector 1/8" Pushlock	FIT0055		
Q	Ployflow Tube 1/8"	OK-L0010		
R	Line Clamp - 1			
S	Line Clamp - 2			
T	8-32 Self Tapping Screw			
U	1/4" O.D. Hydraulic Tubbing	1/4" HYD		
V	Injector (Not Shown)	OK-L0025		
W	High / Low Switch (Not Shown)	OK-P0500		
X	Lube Block (Not Shown)	OK-L0050		

Redraw Idler (High Speed Lubrication)



S - Pushrod Assembly

Standard Pushrod Assembly	OK-E1900
Includes: New Pushrod, Pushrod Bushings, Lug Brackets, Pushrod Lug Bolts, Rocker Arm Shaft, Spring Adjusting Stud, and Rocker Arm Stud Stop.	

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Pushrod - 18-1/2" Standard	107748	OK-E1700		
A1	Pushrod - 18-1/2" High speed	-	OK-E1000		
A2	Pushrod - 24" / 26.5" Standard	101979	OK-E0100		
A3	Pushrod - 21", 24", 26.5" High speed *	-	OK-E1500		
A4	Pushrod - 24" / 26 1/2" (double spring)	107565	OK-E2300		
B	Rocker Arm Shaft Standard 1.375 Dia..	113176	OK-E0300		-
B1	Rocker Arm Shaft – Modified with Caps 1.375 Dia..	-	OK-E0350		-
B2	Rocker Arm Shaft – (double spring) 1" Dia..		OK-E0311		Not Shown
B3	Rocker Arm Shaft –(Clip Style) Universal 1.375 Dia..	107560	OK-E1800		-
C	Bushing - Standard	106172	OK-E0200		-
C1	Bushing - Long	-	OK-E0250		-
C2	Bushing - Steel	-	OK-E0500		-
C3	Bushing - Double Spring - 1-3/8" Bore		OK-E0255		Not Shown
C4	Bushing - Double Spring - 1" Bore		OK-E0255A		Not Shown
D	Lug Bracket - 18-1/2" (RH)	107743	OK-E1300		-
D1	Lug Bracket - 24" (RH)	104025	OK-E0700		-
D2	H/S Lug Brkt - 24" (RH)	-	OK-E0705		-
D3	Lug Bracket - 24" (RH) (double spring)	107562	OK-E0710		-
D4	Lug Bracket - 26.5" (RH) (double spring)		OK-E1210		-
D5	Lug Bracket - 26.5" (RH)		OK-E1315		-
D6	Lug Bracket - 26.5" w/Highspeed Pushrod (RH)		OK-E1316		Not Shown
E	Lug Bracket - 18-1/2" (LH)	107742	OK-E1200		-
E1	Lug Bracket - 24" (LH)	104026	OK-E0600		-
E2	H/S Lug Brkt - 24" (LH)	-	OK-E0605		-
E3	Lug Bracket - 24" (LH) (double spring)	107561A	OK-E0610		-
E4	Lug Bracket - 26.5" (LH) (double spring)		OK-E1310		-
E5	Lug Bracket - 26.5" (LH)		OK-E1215		-
E6	Lug Bracket - 26.5" w/Highspeed Pushrod (LH)		OK-E1216		Not Shown
F	Spring Adjusting Stud	150180	OK-E0800		-
F1	Double Spring Redraw Assembly		OK-E0810		
G	Rocker Arm Stud Stop	150230	OK-E0900		-
H	Pushrod Lug Bolt	150785	OK-E1100		-
J	Air Cylinder Wrist Pin	101113	OK-F1000		-
K	Retaining Clip	-	OK-E1850		-
M	Spring Retainer Double Spring Push Rod	-	OK-E2410		Not Shown
N	Hex Nut - Lug Bolt (1" - 14)	-	OK-E1110		
P	Bearing Ass'y - Push Rod Lug (non-spherical)	-	OK-E1120		
P1	Bearing (spherical)	-	OK-B2100		

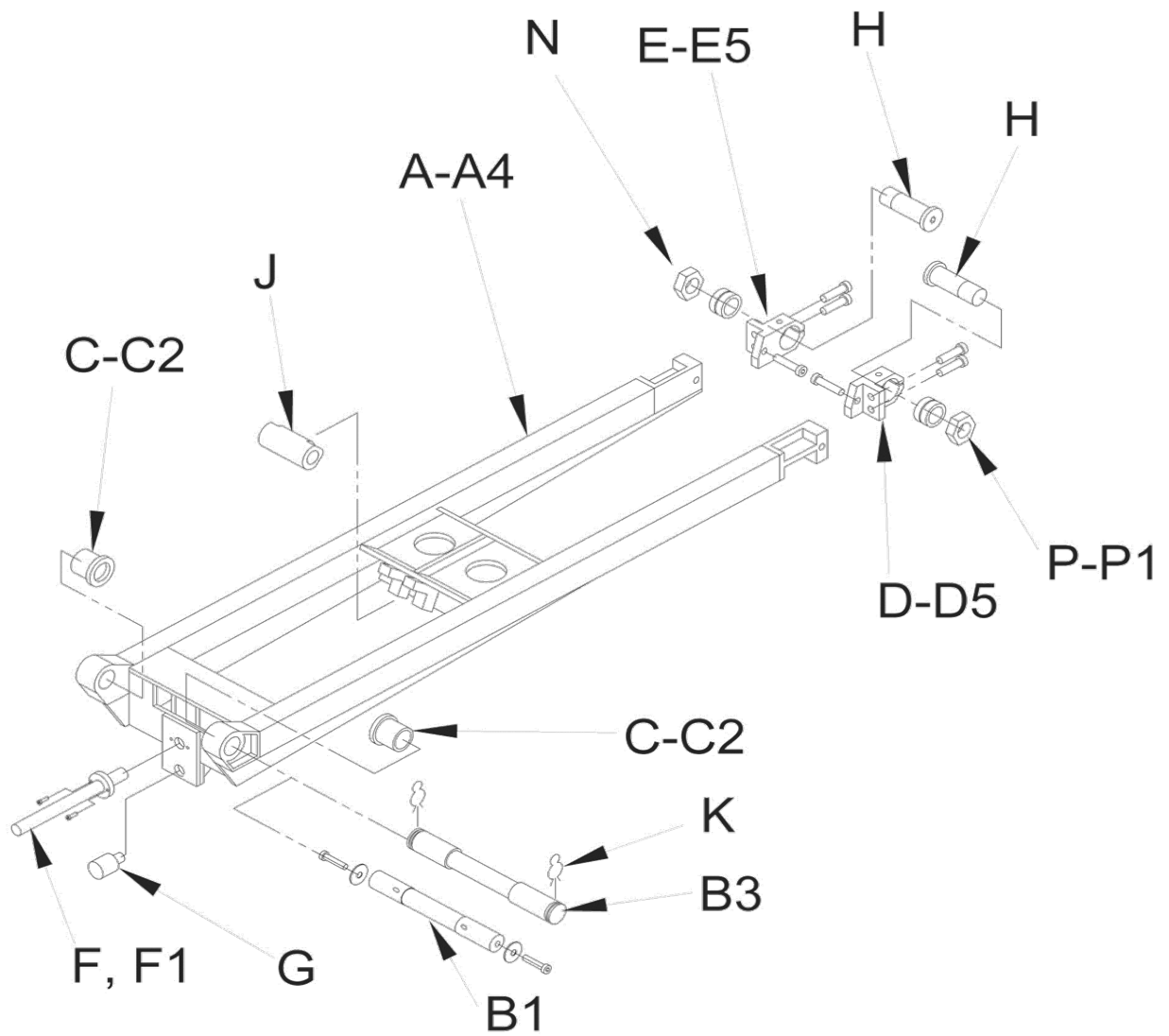
Note: Rocker Arm Shafts Need to be matched to customer Rocker Arm Style-Please Specify

*Options
Pushrod Rebuild Includes - As required for Specifications
Straighten, Mill Cylinder mount, Mill Lug Bracket Pads, Line Bore Rocker Arm Shaft Bores, Mill Slots for "Steel"
Rocker Arms, Add High Speed Bracing

• **Bronze Bushings are included in the price of the new Pushrods. Customer must state if they do not want bushings.**

**** A High Speed Pushrod requires the use of the High Speed Lug Brackets.**

Pushrod Assembly

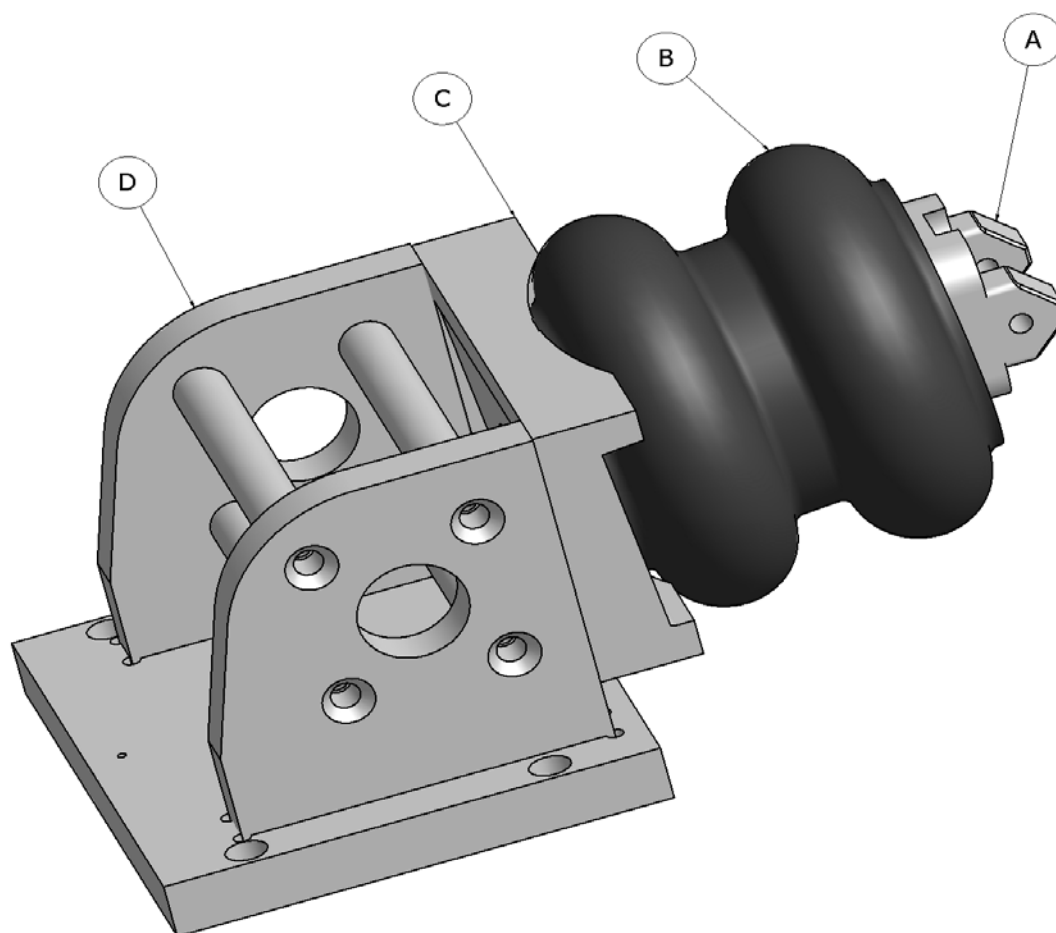


T - Redraw Air Bag Assembly

Retro-Fit Redraw Air Bag Assembly with Trunnion Mounting	OK-F0500A	
Includes .All Component Parts.		

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Air Bag - Push Rod Adapter	-	OK-F0505		N/A
B	Air Bag	-	OK-F0510		N/A
B	Air Bag - 8.6	-	OK-F0510A		N/A
C	Air Bag - Trunnion Mount Adapter	-	OK-F0515		N/A
D	Assembly - Air Bag Trunnion Mount	-	OK-F0520		N/A
-	Air Bag Assembly w/o Trunnion Mt.	-	OK-F0500		N/A
-	Air Bag Assembly with Trunnion Mt.	-	OK-F0500A		N/A
-	Air Bag Assembly w/Trunnion Mt. (8.6 Dia not for LGS)	-	OK-F0500B		

Redraw Air Bag Assembly



Note: Call for application's for use with:

- 1) Double spring Pushrod (Steel).**
- 2) Speed over 300 CPM (Bev) with 7th generation cams.**
- 3) Speed over 220 CPM (Bev) with 6th generation cams.**
- 4) Air pressure below 90 PSI.**

Call for reference setting lengths.

Air Cylinder Assembly

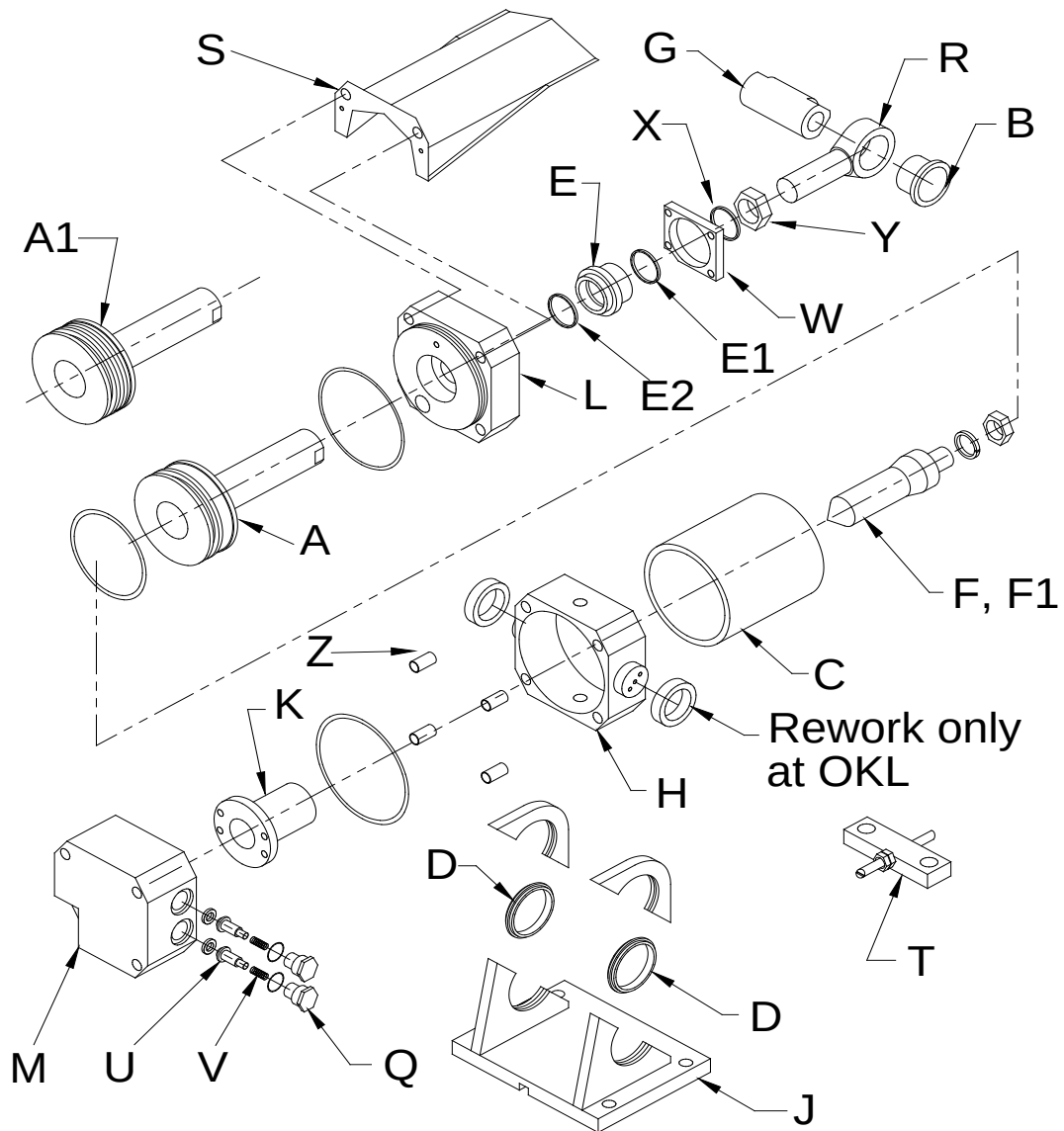
Air Cylinder Assembly	OK-F0000	
Includes .All Component Parts, O-Rings, and Seals. Does not include the Trunnion Mount or the Trunnion Mount Bushings		

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Piston, Single Seal Ceramic	-	OK-F0201		
A1	Piston, Double Seal Ceramic	105921	OK-F0200		
B	Rod End Bushing	122-1-5751	OK-F0400		
C	Air Cylinder Sleeve, Ceramic	114795	OK-F0600		
D	Trunnion Mount Bushing	107786	OK-F0700		
E	Rod Bearing	150350	OK-F0800		
E1	Wick		OK-F2060		
E2	Excluder Seal		OK-F2070		
F	Nose Piece - 6 th Gen.	103989	OK-F0900		
F1	Nose Piece - 7 th Gen.	107999	OK-F1400		
G	Air Cylinder Wrist Pin	101113	OK-F1000		
H	Trunnion	106356	OK-F1100		
J	Trunnion Mount	107772	OK-F1300		
K	Orifice Bushing	114775	OK-F1200		
L	Rod End Cover	1010414	OK-F1500		
M	Blind End Cover	107566	OK-F1600		
*N	Single Seal Kit (Not Shown)	-	OK-F1900		
*N1	Double Seal Kit (Not Shown)	106377	OK-F2000		
Q	Poppet Housing	771820	OK-F1800		
R	Rod End	101114	OK-F1700		
S	Splash Shield	114788	OK-F1050		
T	Adjusting Block with Stud	114836/772	OK-F0001		
U	Poppet Assembly		OK-F2080		
V	Spring	103724	OK-F2090		
W	Rod Bearing Retainer	-	OK-F2150		
X	Eye-bolt Lock Ring	-	OK-F1730		
Y	Eye-bolt Lock Nut	-	OK-F1720		-
Z	Trunnion Spacer	-	OK-F1250		-

* We occasionally have reconditioned parts for sale, Call for pricing and delivery.

Options	Price
Complete Air Cylinder Assembly Rebuild Includes re-sleeving of Trunnion. Replacing of Lee plugs. Cleanout of all passages. Grinding of Ceramic coated Piston. Replacing of Air Cylinder Sleeve.	
* Seal Kits (N) or (N1) Include: O-Rings, Seals, Wear Rings, Excluder, Wick, Poppet Assy and Rod Bearing (E) (Note: Poppet Housing (Q) is not included)	

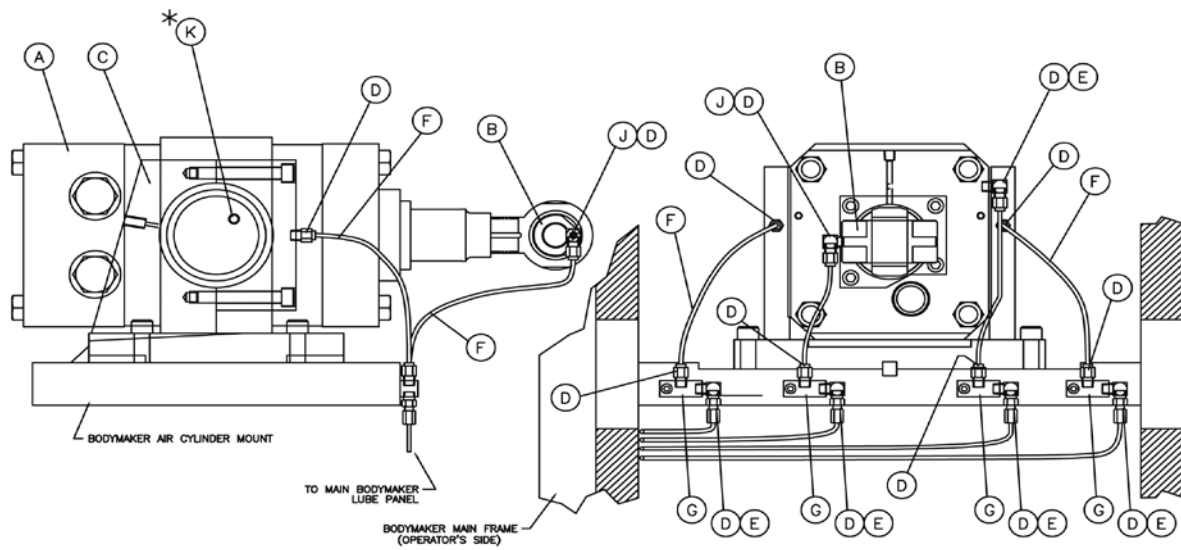
Air Cylinder Assembly



Air Cylinder Lubrication

Key	Description	OEM Part No.	OKL Part No.	New Part Price	Repair Price
A	Air Cylinder Ass'y		OK-F0000		
B	Air Cylinder Wrist Pin		OK-F1000		
C	Air Cylinder Trunnion Mount				
D	Straight Pushlock Fitting	68-2-2	FIT0028		
E	90 Degree Adapter 1/8" NPT X 1/8" NPT	4/4/7405	FIT0052		
F	1/8" Poly Flow Tubing	1194U53.00			
G	Single Port Anchor Block		81583		
H	Fitting 1/8" NPT To 1/8" Comp.	7205-2	FIT0039		
J	90 Degree Adapter 1/4" - 28 X 1/8" NPT		20026		
K	1/8" Pipe Plugs				

Air Cylinder Assembly



U - Miscellaneous Lubrication Packages

Description		OEM Part No.	OKL Part No.	New Part Price	Repair Price
-	Lube Panel	-	LUBE-L1840		
-	Redraw Carriage Lube Package	-	LUBE-L1200		-
-	H.S. Redraw Carriage Lube Package	-	LUBE-L1250		-
-	APMA Lube Assembly	-	OK-L1830		-
-	Dual Setting Pressure Switch	-	OK-P0500		-
	NOT SHOWN:				-
	Ram Guidance Lube Assembly		OK-L1100		-
	PMA Lube Linkage (21"-24") GEN #1		OK-Q0300		-
	PMA Lube Linkage (21"-24") GEN #2		OK-Q0301		-
	Machine Lube Assembly		LUBE-L1800		-
	Con Link Conversion Lube Assembly		OK-L1450		-

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Miscellaneous Lubrication Assemblies

