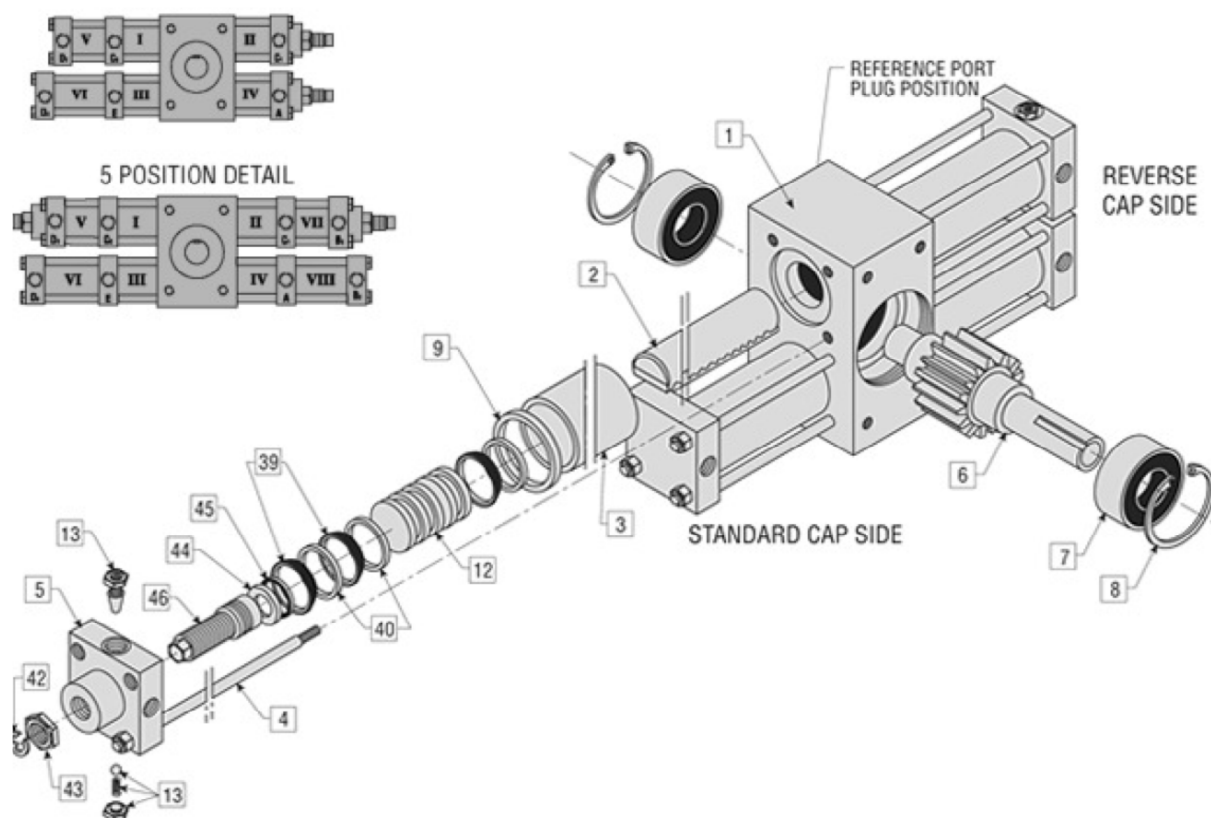




Series 2000-8000 Air/Oil Rotary_Actuator Replacement Parts

Key	Part Description	Part Number
	Series 2000-8000 Air/Oil Replacement	R19R8090-A-D
1	Body: Single Rack	14301
1	Body: Double Rack	14301
1	Body: Tandem	8298
2	Rack	R19R8090-A-D-H3310
3	Tube I	R19R8090-A-D-H1300
3	Tube II	R19R8090-A-D-H1310
3	Tube III	R19R8090-A-D-H1320
3	Tube IV	R19R8090-A-D-H1330
3	Tube V	R19R8090-A-D-H1340
3	Tube VI	R19R8090-A-D-H1350
3	Tube VII	R19R8090-A-D-H1360
3	Tube VIII	R19R8090-A-D-H1370
4	Tierod and Nut Assembly: Tube I	R19R8090-A-D-H1450
4	Tierod and Nut Assembly: Tube II	R19R8090-A-D-H1460
4	Tierod and Nut Assembly: Tube III	R19R8090-A-D-H1470
4	Tierod and Nut Assembly: Tube IV	R19R8090-A-D-H1480
5	Cap Assembly (Standard): Plain	4856
5	Cap Assembly (Standard): -P	5698-1-1
5	Cap Assembly (Standard): -D	5693-1-1
5	Cap Assembly (Standard): -P,-D	5694-1-1
5	Cap Assembly (Standard): -A	5686-0-1
5	Cap Assembly (Standard): -P, -A	5687-1-1
5	Cap Assembly (Standard): -D,-A	5688-1-1
5	Cap Assembly (Standard): -P,-D,-A	5689-1-1
5	Cap Assembly (Standard): Tandem -A	5686-0-1
5	Cap Assembly (Reverse): Plain	4856
5	Cap Assembly (Reverse): -P	5698-2-1
5	Cap Assembly (Reverse): -D	5693-2-1
5	Cap Assembly (Reverse): -P,-D	5694-2-1
5	Cap Assembly (Reverse): -A	5686-0-1

5	Cap Assembly (Reverse): -P, -A	5687-2-1
5	Cap Assembly (Reverse):-D, -A	5688-2-1
5	Cap Assembly (Reverse):-P, -D, -A	5689-2-1
33	Cap Assembly (Reverse): Tandem -P, -D	8847-1
33	Cap Assembly (Reverse): Tandem -P	8891-1
6	Pinion Shaft: Single Ext	2373-03
6	Pinion Shaft: Double Ext	2373-04
6	Pinion Shaft: CrossKey Single Ext (-C)	2715-01
6	Pinion Shaft: CrossKey Double Ext (-C)	2715-02
6	Pinion Shaft: CrossKey Both Ends (-C,-C)	14259
6	Pinion Shaft: Preload Single Ext (-K)	3340-04
6	Pinion Shaft: Preload Double Ext (-K)	3340-08
6	Pinion Shaft: Preload Both Sides (-K, -K)	3340-12
6	Pinion Shaft: Hollow (-H)	3339-04
6	Pinion Shaft: Clutch Single Ext (-L or -R)	Not Available
6	Pinion Shaft: Clutch Double Ext (-L or -R)	Not Available
6	Pinion Shaft: Hall Sensor (-J)	12513-01
6	Pinion Shaft: Hall Sensor with Preload (-J, -K)	12513-03
7	Bearing	2334-004
8	Bearing Retainer Ring	1980-657
9	Tube Seal	R19R8090-A-D-H9000
12	Piston Assembly: Plain	3377-04-1
12	Piston Assembly: Plain (-M)	3380-04-1
12	Piston Assembly: Plain (-E)	7553-1
12	Piston Assembly: Cushion Air	3384-03-2
12	Piston Assembly: Cushion Air (-M)	3386-03-1
12	Piston Assembly: Cushion Air (-E)	7554-1
12	Piston Assembly: Cushion Hyd	3385-03-1
12	Piston Assembly: Cushion Hyd (-M)	3383-03-1
12	Piston Assembly: Cushion Hyd (-E)	7555-1
12	Piston Assembly: Shock Pad	5286-04-1
12	Piston Assembly: Shock Pad (-M)	5285-04-1
12	Piston Assembly: Shock Pad (-E)	7556-1
12	Piston Assembly: Shock Pad (-A)	5284-04-1
12	Piston Assembly: Shock Pad (-A, -M)	5283-04-1
12	Piston Assembly: Shock Pad (-A, -E)	7557-1

12	Piston Assembly: PVA	10898-1
12	Piston Assembly: PVA-Cushion	10902-1
12	Piston Assembly: PVA-Shock Pad	10704-1
12	Piston Assembly: PVA-Shock Pad -A	Not Available
13	Port Control Kit: (-P)	51601-06-1
13	Port Control Kit (-P1 or -P2)	3390-06-1
15	Sensor Mounting Screw	2809-188
15	Sensor Mounting Screw (Side Flange Mounting Only)	2809-222
16	Sensor Transition Plate	12517
17	Sensor Cable and Housing Assembly	10832-1-1-12
35	Reservoir and Tubing Assembly	13459-02-2
39	Piston Seal	R19R8090-A-D-H9000
40	Piston Seal Backup	R19R8090-A-D-H9000
42	Angle Adjustment Screw Retaining Ring	1987-016
43	Angle Adjustment Screw Nut	1972-026
44	Angle Adjustment Screw Seal Backup	R19R8090-A-D-H9000
45	Angle Adjustment Screw Seal	R19R8090-A-D-H9000
46	Angle Adjustment Screw	Consult Factory
-	Brake Button Retainer Ring	Not Available
-	Brake Button Washer	Not Available
-	Brake Button Spring	Not Available
-	Brake Button	Not Available
-	Clutch Hub	Not Available
-	Clutch	Not Available
-	Clutch and Hub Assembly - Left Hand	Not Available
-	Clutch and Hub Assembly - Right Hand	Not Available
-	Clutch Sleeve	Not Available
-	Clutch Pinion Shaft	See Key #6 above
-	Clutch Body	Not Available
-	Clutch Block Mounting Screw	Not Available
-	Side Flange Mounting Kit	13762
-	Bottom Mounting Flange Kit	Not Available
-	Bleed Plug	8162-002-1
-	Key (for Rx1x, Rx5x only)	2808-006
-	Crosskey	5747
-	Preload Shaft Set Screw	3341-04
-	Port Plug	1992-001
-	Body Plug	5733-002