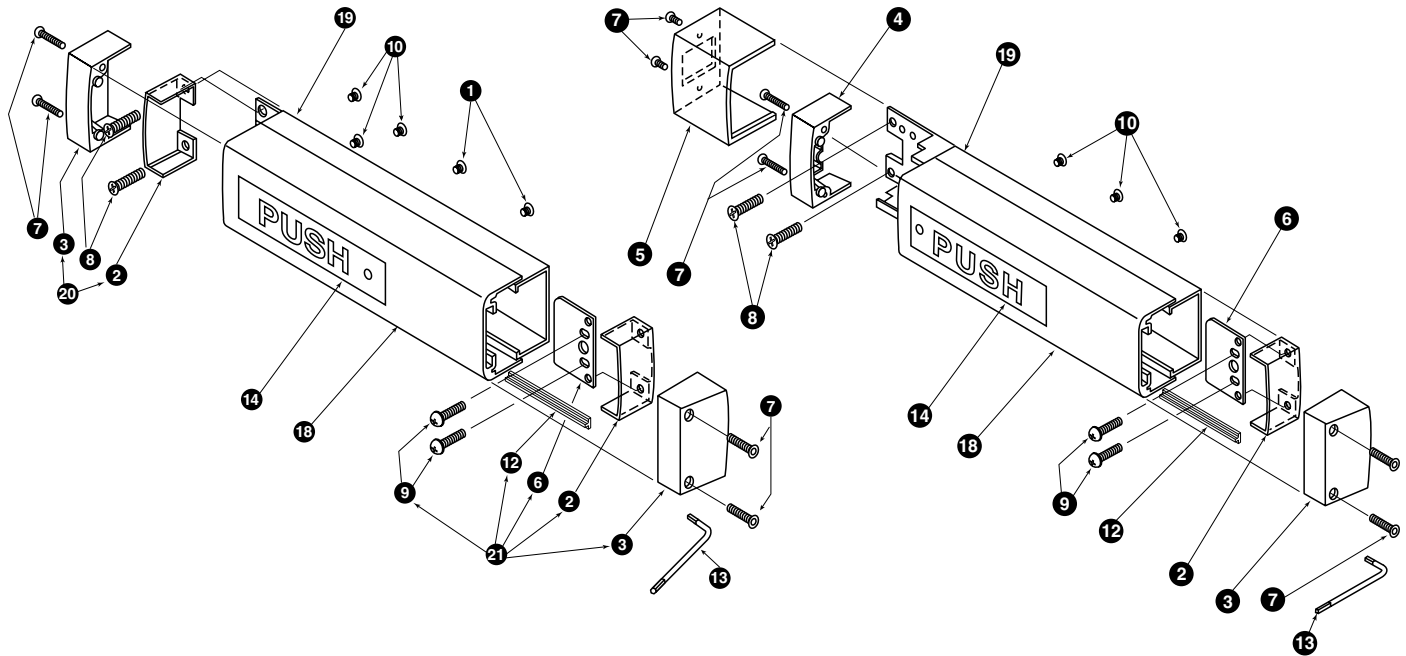


EXPLODED VIEW

1490/1590 SERIES DEVICE PARTS



	PART NO.	DESCRIPTION	US FINISH	BHMA FINISH	PKG QTY	PRICE
	1	SCREW.1028	10-32-1/4" UFPHMS Screw	-	10	\$34.00
	2	4270106786	1490/1590 Pushbar mounting bracket	-	Each	\$35.00
	3	4270106787	1490/1590 Pushbar end cap	P35	Each	\$62.00
	4	4270106875	1590 Pushbar end cap	P35	Each	\$30.00
	5	4270106863	1590 Center case cover P35	P35	Each	\$40.00
	6	4270106770	1490/1590 P/Bar Hingeside mounting plate	-	Each	\$20.00
	7	SCREW.1050	8-32 1" FH Torx screw (before September 2004)	-	10	\$43.00
		SCREW.1143	8-18 1.1/4" FPH TF Typ 25	-	10	\$34.00
	8	SCREW.1282	12-24 1-1/2" UFPHMS Screw (1490)	-	10	\$35.00
		SCREW.1066	12-24 1" UFPHMS Screw (1590)	-	10	\$35.00
	9	SCREW.1053	12-24 1" PPH W/SEMS EXT TF Screw	-	10	\$35.00
	10	SCREW.1012	8-32-1/4" UFPHMS Screw	US32D	10	\$19.00
		SCREW.1055	8-32-1/4" UFPHMS Screw	Black	10	\$19.00
	12	BUMPER.103	Pushbar bumper 4' (2 ea. required)	-	Each	\$19.00
	14	4270107321	1490 RHR/1590 LHR Push label	Black	Each	\$40.00
		4270107323	1490 LHR/1590 RHR Push label	Black	Each	\$40.00
		4270107320	1490 RHR/1590 LHR Push label	Gold	Each	\$40.00
		4270107322	1490 LHR/1590 RHR Push label	Gold	Each	\$40.00
	18	4270107027	1490 Pushbar 36"	US28	Each	\$159.00
		4270107028	1490 Pushbar 36"	DC13	Each	\$165.00
		4270107029	1490 Pushbar 36"	DC35	Each	\$165.00
		4270107685	1490 Pushbar 36"	US3	Each	\$1,621.00
		4270107689	1490 Pushbar 36"	US4	Each	\$1,621.00
		4270107686	1490 Pushbar 36"	US10	Each	\$1,621.00
		4270107691	1490 Pushbar 36"	US10B	Each	\$1,698.00
		4270107687	1490 Pushbar 36"	US14	Each	\$1,698.00

EXPLODED VIEW

1490/1590 SERIES DEVICE PARTS

	PART NO.	DESCRIPTION	US FINISH	BHMA FINISH	PKG QTY	PRICE
	4270107688	1490 Pushbar 36"	US15	670	Each	\$1,698.00
18	4270107031	1490 Pushbar 48"	US28	628	Each	\$168.00
	4270107032	1490 Pushbar 48"	DC13	710	Each	\$178.00
	4270107033	1490 Pushbar 48"	DC35	711	Each	\$178.00
	4270107703	1490 Pushbar 48"	US3	666	Each	\$1,630.00
	4270107707	1490 Pushbar 48"	US4	667	Each	\$1,630.00
	4270107704	1490 Pushbar 48"	US10	668	Each	\$1,630.00
	4270107709	1490 Pushbar 48"	US10B	703	Each	\$1,705.00
	4270107705	1490 Pushbar 48"	US14	669	Each	\$1,705.00
	4270107706	1490 Pushbar 48"	US15	670	Each	\$1,705.00
18	4270107091	1590 Pushbar 36"	US28	628	Each	\$168.00
	4270107092	1590 Pushbar 36"	DC13	710	Each	\$178.00
	4270107093	1590 Pushbar 36"	DC35	711	Each	\$178.00
	4270107712	1590 Pushbar 36"	US3	666	Each	\$1,621.00
	4270107716	1590 Pushbar 36"	US4	667	Each	\$1,621.00
	4270107713	1590 Pushbar 36"	US10	668	Each	\$1,621.00
	4270107718	1590 Pushbar 36"	US10B	703	Each	\$1,708.00
	4270107714	1590 Pushbar 36"	US14	669	Each	\$1,708.00
	4270107715	1590 Pushbar 36"	US15	670	Each	\$1,708.00
18	4270107095	1590 Pushbar 48"	US28	628	Each	\$192.00
	4270107096	1590 Pushbar 48"	DC13	710	Each	\$200.00
	4270107097	1590 Pushbar 48"	DC35	711	Each	\$200.00
	EXT.255	1590 Pushbar 48"	US3	666	Each	\$1,648.00
	EXT.259	1590 Pushbar 48"	US4	667	Each	\$1,648.00
	EXT.256	1590 Pushbar 48"	US10	668	Each	\$1,648.00
	EXT.261	1590 Pushbar 48"	US10B	703	Each	\$1,726.00
	EXT.257	1590 Pushbar 48"	US14	669	Each	\$1,726.00
	EXT.258	1590 Pushbar 48"	US15	670	Each	\$1,726.00
19	4270107034	1490 Channel 36"	US28	628	Each	\$159.00
	4270107035	1490 Channel 36"	DC13	710	Each	\$165.00
	4270107036	1490 Channel 36"	DC35	711	Each	\$165.00
19	4270107038	1490 Channel 48"	US28	628	Each	\$168.00
	4270107039	1490 Channel 48"	DC13	710	Each	\$178.00
	4270107040	1490 Channel 48"	DC35	711	Each	\$178.00
19	4270107587	1590 Channel 36"	US28	628	Each	\$192.00
	4270107588	1590 Channel 36"	DC13	710	Each	\$200.00
	4270107589	1590 Channel 36"	DC35	711	Each	\$200.00
19	4270107591	1590 Channel 48"	US28	628	Each	\$208.00
	4270107592	1590 Channel 48"	DC13	710	Each	\$220.00
	4270107593	1590 Channel 48"	DC35	711	Each	\$220.00
20	ECAP.111	1490 Lockside end cap assembly	P35	622	Each	\$48.00
21	ECAP.103	1490 Hingeside end cap assembly	P35	622	Each	\$57.00
	PKG.102	1490 Mounting package	US28	628	Each	\$33.00
	PKG.104	1490 Mounting package	DC35	711	Each	\$34.00
	PKG.105	1590 Mounting package	-	-	Each	\$33.00

1490/1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

This diagram illustrates the front suspension assembly, showing the relationship between various components. The main assembly includes the lower control arm (1), steering knuckle (2), coil spring (3), and lower control arm (4). The diagram also shows the installation of the lower control arm (5) and the lower control arm (6). The lower control arm (7) is shown with the lower control arm (8) and the lower control arm (9). The lower control arm (10) is shown with the lower control arm (11) and the lower control arm (12). The lower control arm (13) is shown with the lower control arm (14) and the lower control arm (15). The lower control arm (16) is shown with the lower control arm (17) and the lower control arm (18). The lower control arm (19) is shown with the lower control arm (20) and the lower control arm (21).

This exploded view diagram illustrates the assembly of the front door latch. The components are numbered as follows:

- 1**: Latch body
- 7**: Pin
- 8**: Latch body
- 9**: Latch body
- 10**: Latch body
- 11**: Latch body
- 12**: Latch body
- 13**: Pin
- 14**: Pin
- 15**: Pin
- 18**: Key
- 19**: Pin
- 20**: Latch body

EXPLODED VIEW

1490/1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

1490/1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

	Part No.	Description	Finish	Pkg Qty	Price
1	4270107603	1590 Latch bolt assembly	-	Each	\$168.00
2	4270106769	Lift lever axle	-	Each	\$20.00
3	WASHER.102	Lift lever washer	-	10	\$32.00
4	RRING.104	Retaining ring .500"	-	10	\$23.00
5	4270106773	Link	-	Each	\$19.00
6	WASHER.103	Link washer	-	10	\$32.00
7	RRING.105	Retaining ring .188"	-	10	\$19.00
8	4270107046	Dogging bracket assembly	-	Each	\$95.00
9	971659-79	Dogging clip	-	Each	\$54.00
10	4299101020	Compression spring	-	Each	\$15.00
11	971660-79	Act. Rod spring stop CZNC	-	Each	\$23.00
12	4270106977	Clevis	-	Each	\$132.00
13	SCREW.1136	8-32-3/8" PPHMS with Sems	-	10	\$48.00
14	AXLE.1007	Clevis assembly axle	-	10	\$23.00
15	SCREW.1043	10-32-3/8" UFPHMS Screw	-	10	\$23.00
16	4270106745	Lift lever	-	Each	\$32.00
17	4270106772	Pivot pin	-	Each	\$32.00
18	KEY.10020	Hex dogging key 5/32"	-	10	\$62.00
19	WASHER.107	#8 Washer Hi-collar	-	10	\$20.00
20	4270106888	1590 Retractor-Sgl door 1-3/4" (Only furnished with 1592/3/4/5)	-	Each	\$23.00
	4270107422	1590 Retractor-Sgl door 2-1/4" (Only furnished with 1592/3/4/5)	-	Each	\$23.00
	4270107520	1590 Retractor - Pair with mullion 1-3/4" door (Only furnished with 1592/3/4/5)	-	Each	\$23.00
	4270107521	1590 Retractor - Pair with mullion 2-1/4" door (Only furnished with 1592/3/4/5)	-	Each	\$23.00

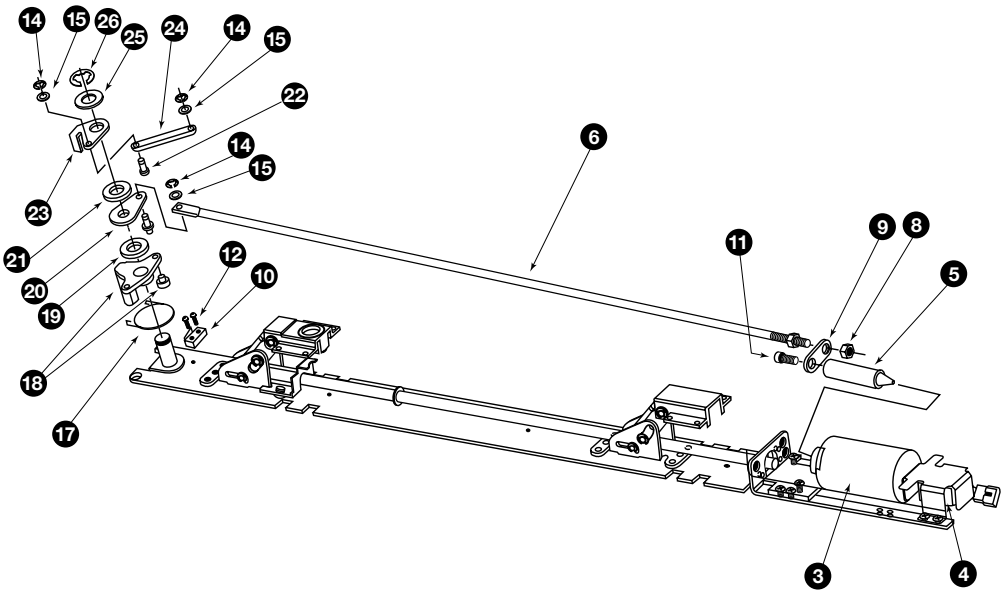
1490 BASEPLATE ASSEMBLIES

	Part No.	Description	Finish	Pkg Qty	Price
	4270107061	1490 Baseplate assembly LHR 36"	-	Each	\$660.00
	4270107048	1490 Baseplate assembly LHR 48"	-	Each	\$739.00
	4270107047	1490 Baseplate assembly RHR 36"	-	Each	\$660.00
	4270107060	1490 Baseplate assembly RHR 48"	-	Each	\$739.00
	4270107089	1590 Baseplate assembly 36"	-	Each	\$474.00
	4270107090	1590 Baseplate assembly 48"	-	Each	\$558.00

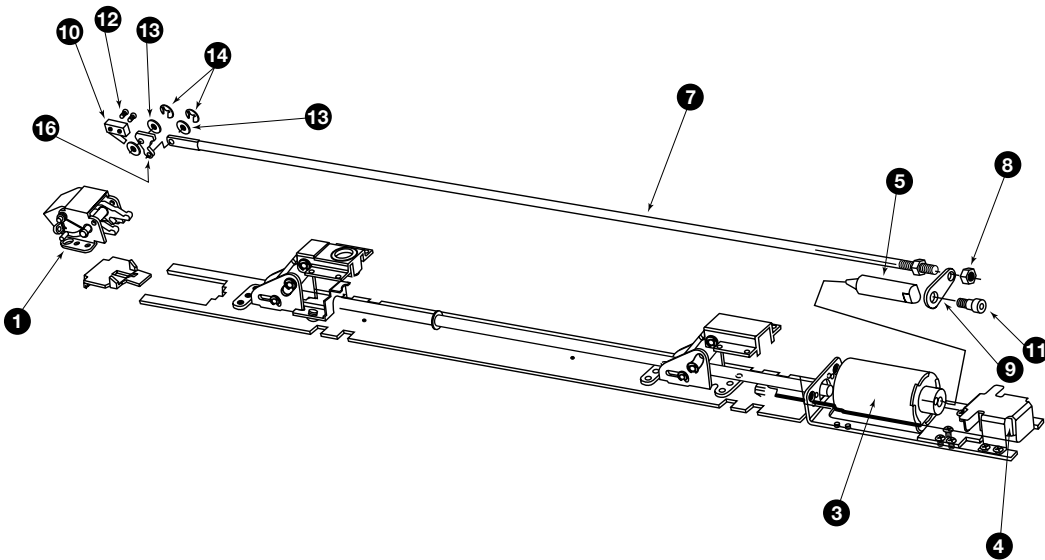
EXPLODED VIEW

EL1490/EL1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

EL1490



EL1590



EL1490/EL1590 SERIES ACTIVATING BASEPLATE ASSEMBLY					
	Part No.	Description	Finish	Pkg Qty	Price
1	4270107623	EL1590 Latch bolt assembly 36"	-	Each	\$519.00
	LATCHR.102	EL1590 Latch bolt assembly 48"	-	Each	\$525.00
2	4270108763	S1590 Latch bolt assembly	-	Each	\$372.00
3	47639877	1490/1590 Solenoid and plunger assembly	-	Each	\$417.00
4	050534-00	EL Potted circuit breaker	-	Each	\$483.00
	110388-00	EL Cable assembly (not shown)	-	Each	\$67.00
6	4270107193	EL1490 Pull rod 36"	-	Each	\$56.00
	4270107361	EL1490 Pull rod 48"	-	Each	\$65.00
7	4270107342	EL1590 Push rod 36"	-	Each	\$65.00

EXPLODED VIEW

EL1490/EL1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

EL1490/EL1590 SERIES ACTIVATING BASEPLATE ASSEMBLY

	Part No.	Description	Finish	Pkg Qty	Price
	4270107360	EL1590 Push rod 48"	-	Each	\$89.00
8	NUT.103	1/4-20 Hex nut	-	10	\$15.00
9	4270107341	EL1590 Link	-	Each	\$15.00
10	110360-00	Subminiature switch assembly 36"	-	Each	\$165.00
11	SCREW.1061	1/4-20 29/32" Soc shoulder screw	Black	10	\$48.00
	SCREW.1136	8-32-3/8" PPH with Sems machine screw	-	10	\$48.00
12	SCREW.1063	2-56 RHMS Screw	-	10	\$15.00
	SCREW.1065	8-32-1/4" PPH MS Typ 2A Screw	-	10	\$15.00
14	RRING.105	Retaining ring .188	-	10	\$19.00
15	WASHER.103	Link washer	-	10	\$32.00
16	LEVER.103	EL1590 Release lever assembly	-	Each	\$112.00
17	4270107429	EL1490 Lift lever spring - LHR	-	Each	\$15.00
	4270107430	EL1490 Lift lever spring - RHR	-	Each	\$15.00
18	LEVER.104	EL1490 Lift lever sub-assembly LHR	-	Each	\$49.00
	LEVER.105	EL1490 Lift lever sub-assembly RHR	-	Each	\$49.00
19	4270107194	EL Lift lever spacer	-	Each	\$22.00
20	4270107192	EL1490 Pivot bracket	-	Each	\$15.00
21	4270109142	Lift lever washer	-	Each	\$20.00
22	4270107186	Link pin	-	Each	\$15.00
23	4270107188	EL1490 Lift lever bracket-LHR	-	Each	\$15.00
	4270107189	EL1490 Lift lever bracket-RHR	-	Each	\$15.00
24	4270106773	1490 Link	-	Each	\$19.00
25	WASHER.102	Lift lever washer	-	10	\$32.00
26	RRING.104	Retaining ring .500	-	10	\$23.00
27	4270107363	Pivot pin YZNC STL	-	Each	\$15.00

S1490/S1590 BASEPLATE ASSEMBLIES

	Part No.	Description	Finish	Pkg Qty	Price
	BASEASY.210	S1490 Baseplate assembly LHR 36"	-	Each	\$1,364.00
	BASEASY.211	S1490 Baseplate assembly LHR 48"	-	Each	\$1,443.00
	BASEASY.208	S1490 Baseplate assembly RHR 36"	-	Each	\$1,364.00
	BASEASY.209	S1490 Baseplate assembly RHR 48"	-	Each	\$1,443.00
	BASEASY.220	S1590 Baseplate assembly 36"	-	Each	\$1,129.00
	BASEASY.221	S1590 Baseplate assembly 48"	-	Each	\$1,208.00

Note: For "S" signal switch field replacement or conversion.

EL1490/EL1590 BASEPLATE ASSEMBLIES

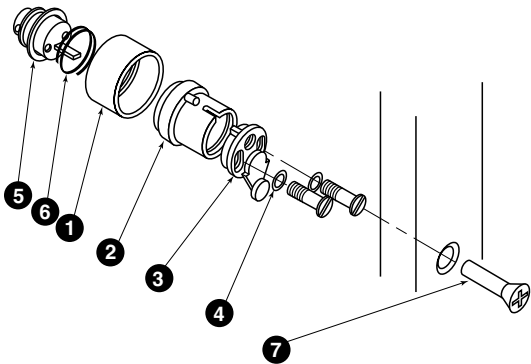
	Part No.	Description	Finish	Pkg Qty	Price
	KIT.1011	EL1490 Baseplate kit LHR 36"	-	Each	\$1,344.00
	KIT.1010	EL1490 Baseplate kit RHR 36"	-	Each	\$1,344.00
	KIT.1013	EL1490 Baseplate kit LHR 48"	-	Each	\$1,344.00
	KIT.1012	EL1490 Baseplate kit RHR 48"	-	Each	\$1,344.00
	KIT.1008	EL1590 Baseplate kit 36"	-	Each	\$1,344.00
	KIT.1009	EL1590 Baseplate kit 48"	-	Each	\$1,344.00

Note: For "EL" field replacement. Also contains "S" signal switch.

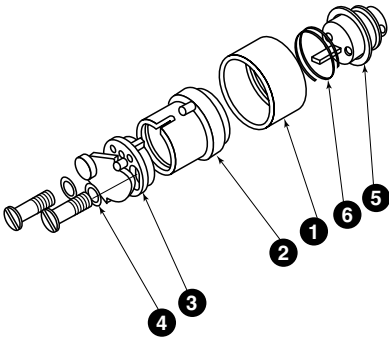
EXPLODED VIEW

1490/1590 SERIES CYLINDER ASSEMBLY

1490



1590



EXPLODED VIEW

1490/1590 SERIES CAM ASSEMBLY

Hold back



Night latch



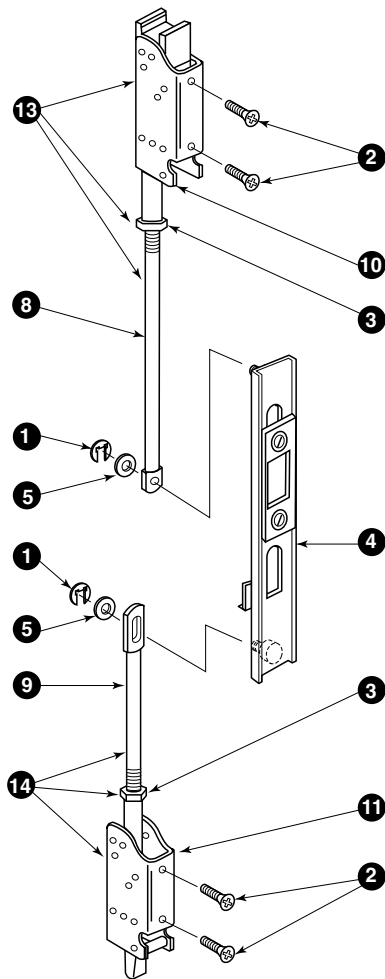
1490 SERIES CYLINDER AND CAM ASSEMBLY

	Part No.	Description	US Finish	BHMA Finish	Pkg Qty	Price
1	4270107213	Cylinder collar 1.00"	P28	689	Each	\$34.00
	4270107214	Cylinder collar 1.00"	P13	695	Each	\$34.00
	4270107215	Cylinder collar 1.00"	P35	622	Each	\$34.00
	4270109005	Cylinder collar 7-pin 1.25"	P28	689	Each	\$48.00
	4270109006	Cylinder collar 7-pin 1.25"	P13	695	Each	\$48.00
	4270109007	Cylinder collar 7-pin 1.25"	P35	622	Each	\$48.00
2	4270107286	Cylinder tube with pin 1-3/4" door	-	-	Each	\$54.00
	4270107833	Cylinder tube with pin 2" door	-	-	Each	\$91.00
	4270107787	Cylinder tube with pin 2-1/4" door	-	-	Each	\$91.00
	4270109009	Cylinder tube with pin 7-pin 1-3/4" door	-	-	Each	\$91.00
	4270109190	Cylinder tube with pin 7-pin 2" door	-	-	Each	\$91.00
	4270109630	HH Cylinder tube with pin 2-3/8" door	-	-	Each	\$65.00
3	CTUBE.232	HH Cylinder tube with pin 7-pin 2-3/8" door	-	-	Each	\$103.00
	4270107268	1490 NL Cam assembly	-	-	Each	\$43.00
	4270107270	1490 HB Cam assembly	-	-	Each	\$43.00
	4270107283	1590 NL Cam assembly	-	-	Each	\$43.00
	4270107285	1590 HB Cam assembly	-	-	Each	\$43.00
	WASHER.108	Cylinder adaptor washer	-	-	10	\$23.00
4	WASHER.109	Cylinder lock washer	CZNC	-	10	\$32.00
	WASHER.110	Cylinder lock washer	Black	622	10	\$32.00
5	SPRING.105	Cylinder collar spring	-	-	10	\$16.00
6	SCREW.1105	12-24 1.1/2" UFPHMS Screw	CZNC	-	10	\$35.00
	SCREW.1099	12-24 1.1/2" UFPHMS Screw	Black	622	10	\$34.00

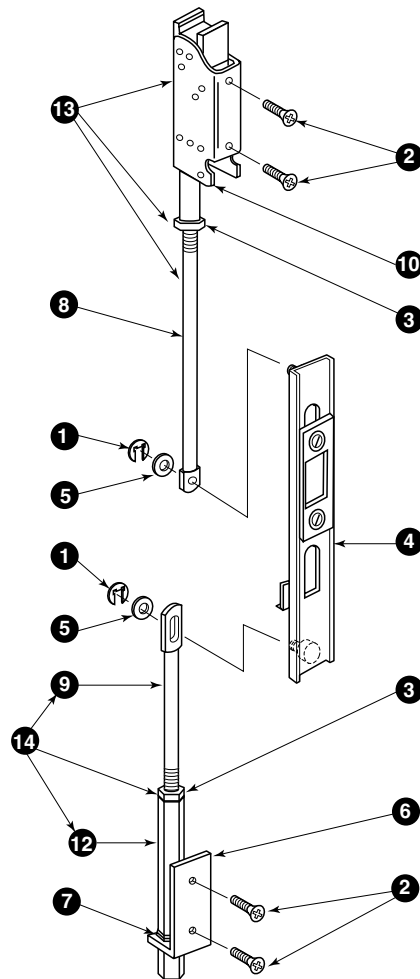
EXPLODED VIEW

1490 SERIES STANDARD ROD AND EL ROD ASSEMBLY

Standard rod assembly



EL rod assembly



1490 SERIES STANDARD ROD AND EL ROD ASSEMBLY

	Part No.	Description	US Finish	BHMA Finish	Pkg Qty	Price
1	RRING.103	Retaining ring .250	-	-	25	\$19.00
2	SCREW.1028	10-32-1/4" UFPH Screw	US32D	630	10	\$34.00
	SCREW.1029	10-32-1/4" UFPH Screw	Black	622	10	\$34.00
3	NUT.101	3/8-24 Jam nut	-	-	10	\$34.00
4	4270106796	Lift bracket assembly	-	-	Each	\$89.00
	4270107495	EL Lift bracket assembly	-	-	Each	\$105.00
5	WASHER.116	Rod washer	-	-	10	\$23.00
6	4270108426	EL Hex rod guide assembly	US32D	630	Each	\$65.00
	GUIDE.101	EL Hex rod guide assembly	P35	622	Each	\$65.00
7	BUSH.107	EL Hex bushing	-	-	10	\$35.00
	GUIDE.102	HH Hex rod guide assembly	P35	622	Each	\$94.00
8	4270106776	Top rod 35.000"	-	-	Each	\$85.00
9	4270106775	Standard bottom rod 31.625"	-	-	Each	\$85.00

EXPLODED VIEW

1490 SERIES STANDARD ROD AND EL ROD ASSEMBLY

1490 SERIES STANDARD ROD AND EL ROD ASSEMBLY						
	Part No.	Description	US Finish	BHMA Finish	Pkg Qty	Price
	4270109003	EL Bottom rod 34.625"	-	-	Each	\$98.00
10	4270105926	EL Top latch	-	-	Each	\$208.00
	4270101806	SU Top latch	-	-	Each	\$158.00
11	4270100521	RL Bottom latch	-	-	Each	\$132.00
12	4270101830	Hex bottom bolt	-	-	Each	\$57.00
13	RODASY.110	1490 Top rod assembly 7' door	-	-	Each	\$246.00
	4270109078	EL1490 Top rod assembly 7' door	-	-	Each	\$307.00
14	RODASY.112	Bottom rod assembly	-	-	Each	\$145.00
	4270109077	EL1490 Bottom rod assembly	-	-	Each	\$167.00
15	4270106782	1490 Top/Bottom rod assembly 7' door	-	-	Each	\$474.00
	4270107497	EL1490 Top/Bottom rod assembly 7' door	-	-	Each	\$550.00
	4270107791	Extension rod kit over 7' up to 10' door	-	-	Each	\$172.00