

A MEDIA INDEPENDENT DOCUMENT MANAGEMENT COMPANY



EYE COMMUNICATION SYSTEMS, INC.

455 E. Industrial Drive

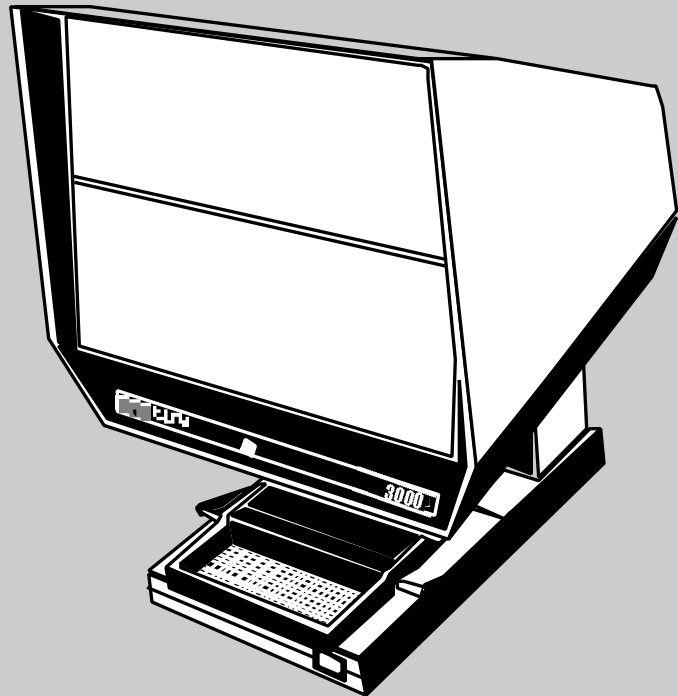
P.O. Box 620

Hartland, WI 53029 USA

(262) 367-1360 or (800) 558-2153

Fax: (262) 367-1362

www.eyecom.com



## The Eye Com 3000 Operating and Maintenance Instructions

**To ensure correct use of this equipment, please read this operating manual and keep for future reference.**

### **Unpacking:**

1. Remove top insert and lift unit from container.
2. Remove plastic enclosure.
3. Remove magnetic index grid.
4. Pull fiche carrier forward until top glass begins to open.
5. Remove the cardboard insert.
6. Remove warranty card between the carrier glass. (Fill out and return to Eye Com.)
7. Replace index grid.
8. Remove tape from viewing screen
9. On dual lens model, remove viewing screen. Remove lens insert. Replace screen.

### **Operating Instructions:**

1. Plug in unit and turn on.
2. Pull carrier forward until glass opens.
3. Insert microfiche or jacket between upper and lower glass against rear stop and push carrier back.
4. Focus image by turning focus knob located in front, directly below viewing screen.
5. On dual lens model only, slide lever located in front to change from high to low magnification.

## Lamp Replacement

### (Figure 1):

1. Disconnect the power cord.
2. Remove lower glass and upper glass assembly. Then push carrier forward until it stops.
3. Tip unit on its back to expose the bottom.
4. Remove the lamp access door.

**CAUTION: Allow lamp to cool before attempting to remove it.**

5. Extract lamp from its holder and disconnect the socket.
6. Replace lamp with the type shown on data plate. Be careful not to touch the bulb portion of the new lamp. Oils will decrease lamp life and dim the image.
7. Replace access door. Replace lower and upper glass assembly.
8. Reconnect power cord.



Figure 1

## Maintenance:

Maintenance of your Eye Com reader is limited to periodic cleaning of viewing screen, upper and lower carrier glass, lenses and mirrors.

## Carrier Glass Removal and Cleaning

### (Figure 3):

1. Push carrier to the rear until it stops.
2. Move carrier to its far left position.
3. Remove upper glass assembly.
4. Reach under back of the plastic carrier frame, push up and pull out lower glass.
5. Clean lower and upper glass with Data Vu Cleaning Mist.

**NOTE: While the carrier glass plates are disassembled, the top of the condenser lens can be cleaned with Data Vu Cleaning Mist and a soft non-abrasive cloth.**

**NOTE: When reassembling carrier glass, push upward on lens barrel with the upper carrier glass.**

## Viewing Screen Removal and Cleaning:

1. Remove screen with screen tabs by lifting screen up and out.
2. Clean the screen with Data Vu Cleaning Mist, using a soft, non-abrasive cloth.



Figure 2



Figure 3

## Objective Lens

(Figure 4):

1. With screen removed, the objective lens can be easily removed for cleaning.
2. On single lens model only, pivot the small mirror bracket toward the rear. (Figure 4)
3. On dual lens model only, shift lever to low to remove the high magnification lens. Reverse procedure to remove low magnification lens.
4. Grasp the top of the lens and pull it up and out.
5. Brush loose dust and dirt from the exposed lens elements with a soft brush.
6. Wipe the lens elements with a soft, non-abrasive cloth.
7. On single lens model, replace the lens and pivot the mirror to its original position. On dual lens model, replace the lenses.
8. Replace the viewing screen.



Figure 4



Figure 5

## Mirrors

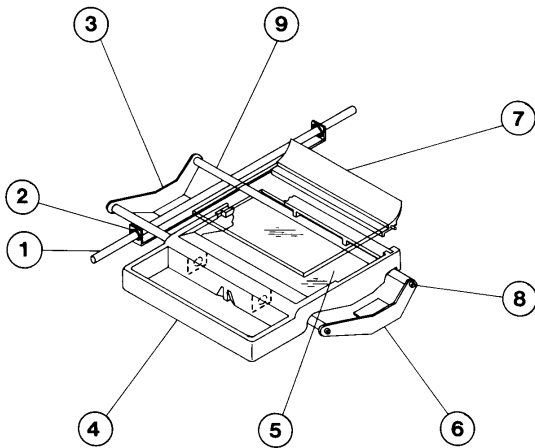
(Figure 5)

There are three mirrors in the Eye Com readers. The first mirror is located on the hinged bracket in the single lens model. The second mirror is mounted on the inside of the upper half hood. The third mirror (condenser) is located directly opposite the readers lamp (this mirror can be reached by removing the lamp access door). The mirrors have a special front surface coating and are susceptible to scratching. To clean, use Data Vu Cleaning Mist and a soft, non-abrasive cloth.

***NOTE: When cleaning condenser mirror It is recommended that a small camel hair brush be used. Utilize the same method to clean the condenser lens.***

**PARTS LIST**  
Part No. 7035, 4" x 6" Carrier Assembly

Item No.	Part No.	Description	Qty.
1	1009	Lower Slide Rod	1
2	1053	1/8 Nyliner	4
3	1001	Left Side Support	1
4	1003	4x6 Carrier	1
5	1017	4x6 Lower Glass	1
6	7006	Right Side Support	1
7	7009	4x6 Upper Glass Assembly	1
8	1078	#6-32 x 7/16 Philips Head	4
9	1010	Upper Slide Rod	2

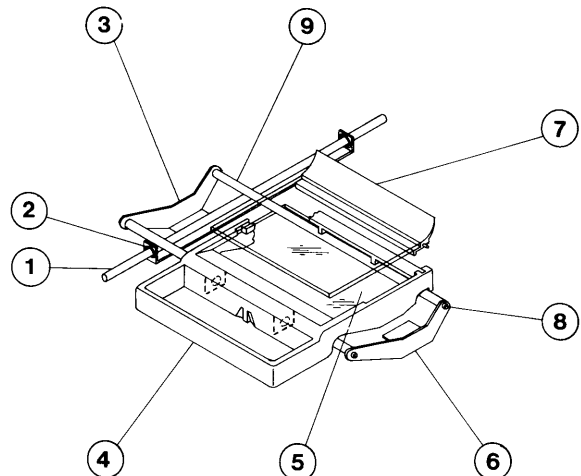


**SERVICE PARTS & ACCESSORIES LIST**  
Part No. 7035, 4" x 6" Carrier Assembly

Description	Part No.
Lamp, 13.8 Volt, 25 Watt, FLT	1006
24X Index Grid Assembly	7031
42X Index Grid Assembly	7012
48X Index Grid Assembly	7011
72X Index Grid Assembly	7059
Upper Glass Assembly, 4x 6 Or Dual	7009
Upper Glass Assembly, 4x7-3/8	7020
Access Door	1013
Turntable	7040
Data Vu Cleaning Kit	7045
<b>Lenses</b>	
10mm Lens (72X; 100% blowback of 72X fiche)	1129
12.5mm Lens (60X; 100% blowback of 60X fiche)	1113
15mm Lens (48X; 100% blowback of 48Xfiche)	1043
17mm Lens (42X; 100% blowback of 42X fiche)	1044
22mm Lens (32X; 100% blowback of 32X fiche)	1150
29mm Lens (24X; 100% blowback of 24X fiche)	1149
32mm Lens (21X; 100% blowback of 21X)	1155
<b>Viewing Screen</b>	
Blue	1615
Grey	1649
Green	1602
Dustcover	1637
Ambient Light Shield	7043
Fiche File - Standard	7064
-with lock option	7065
-with turntable option	7066
-with lock and turntable options	7067

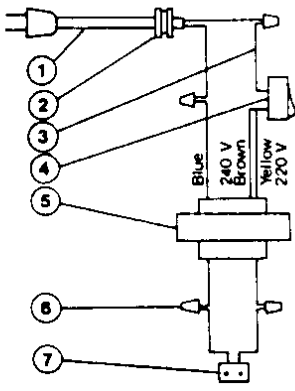
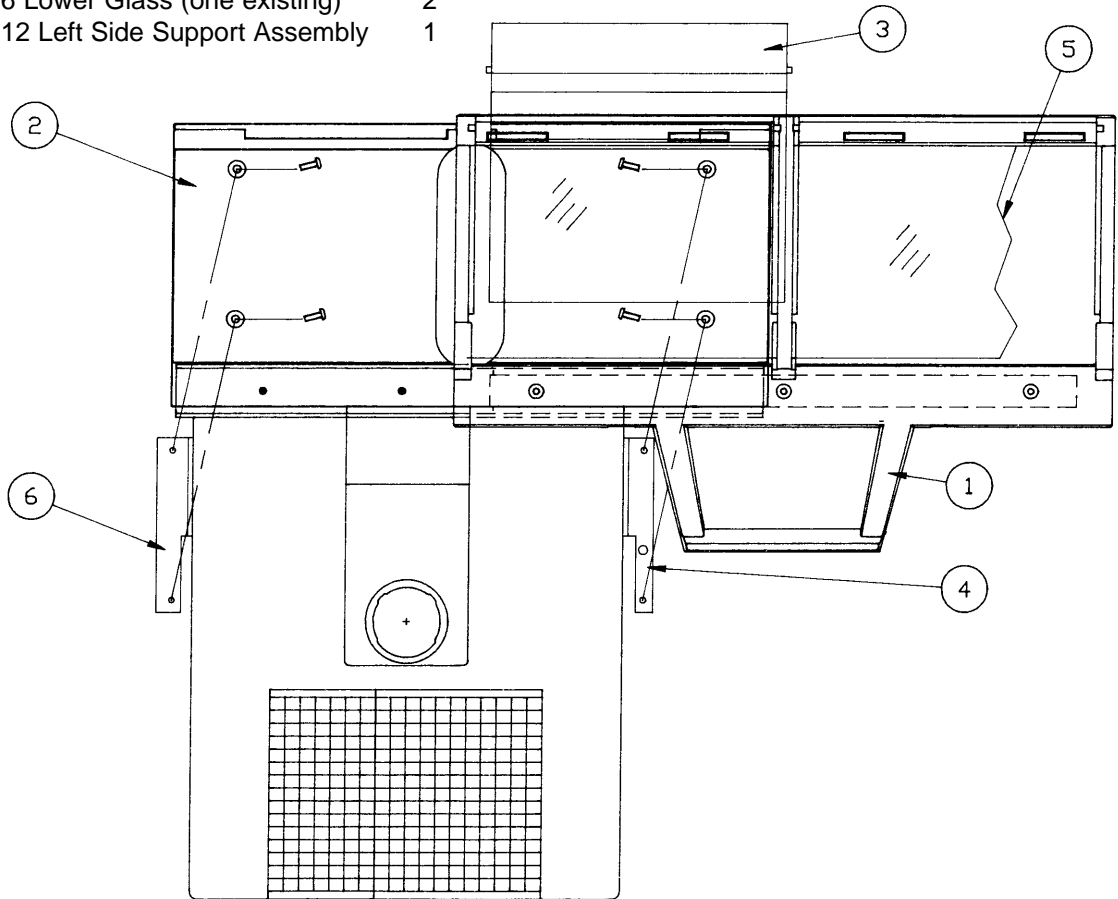
**PARTS LIST**  
Part No. 7036, 4" x 7-3/8" Carrier Assembly

Item No.	Part No.	Description	Qty.
1	1009	Lower Slide Rod	1
2	1053	1/8 Nyliner	4
3	1202	Left Side Support	1
4	1200	4 x 7-3/8 Carrier	1
5	1204	4 x 7-3/8 Lower Glass	1
6	7019	Right Side Support	1
7	7020	4 x 7-3/8 Upper Glass Assembly	1
8	1078	#6-32 x 7/16 Philips Head	4
9	1201	Upper Slide Rod	2

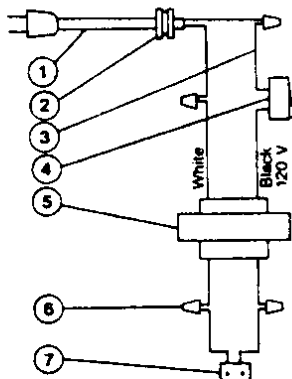


**PARTS LIST**  
**Dual Carrier Assembly**  
**Replacement Part No. 7271**

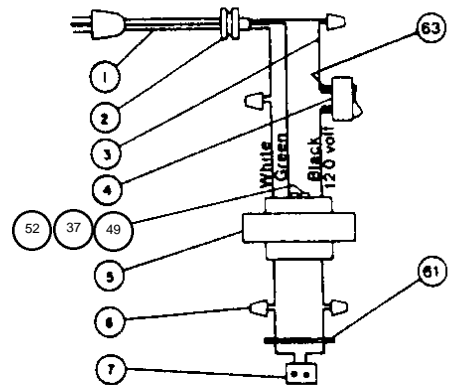
Item No.	Part No.	Description	Qty.
1	7269	Upper Dual Carrier Assembly	1
2	7270	Lower Dual Carrier Assembly	1
3	7009	4 x 6 Upper Glass Assembly (one existing)	2
4	7015	4 x 12 Right Side Support Assembly	1
5	1017	4 x 6 Lower Glass (one existing)	2
6	7014	4 x 12 Left Side Support Assembly	1



**220/240 Volt  
Wiring Diagram**

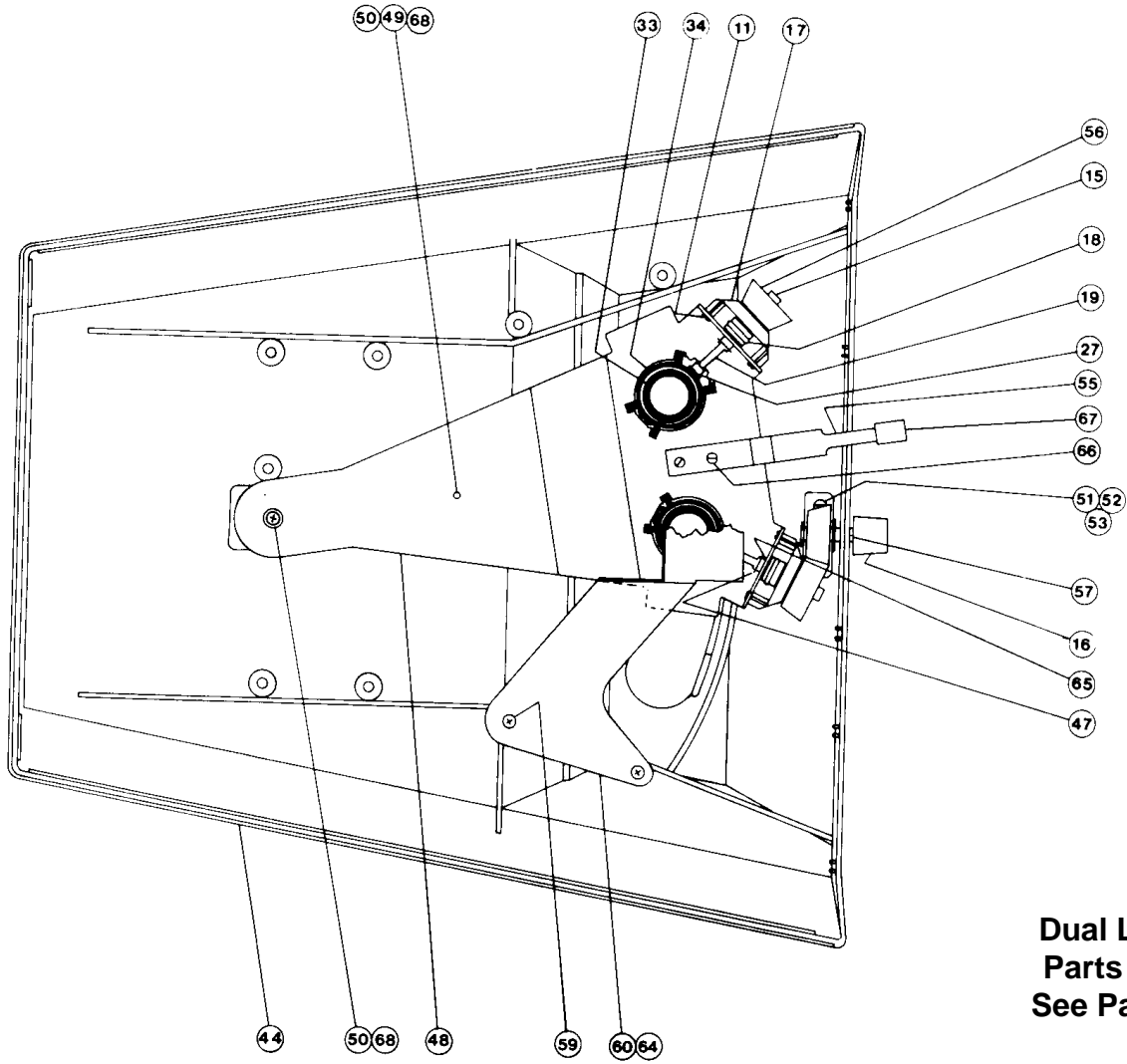


**120 Volt  
Wiring Diagram**



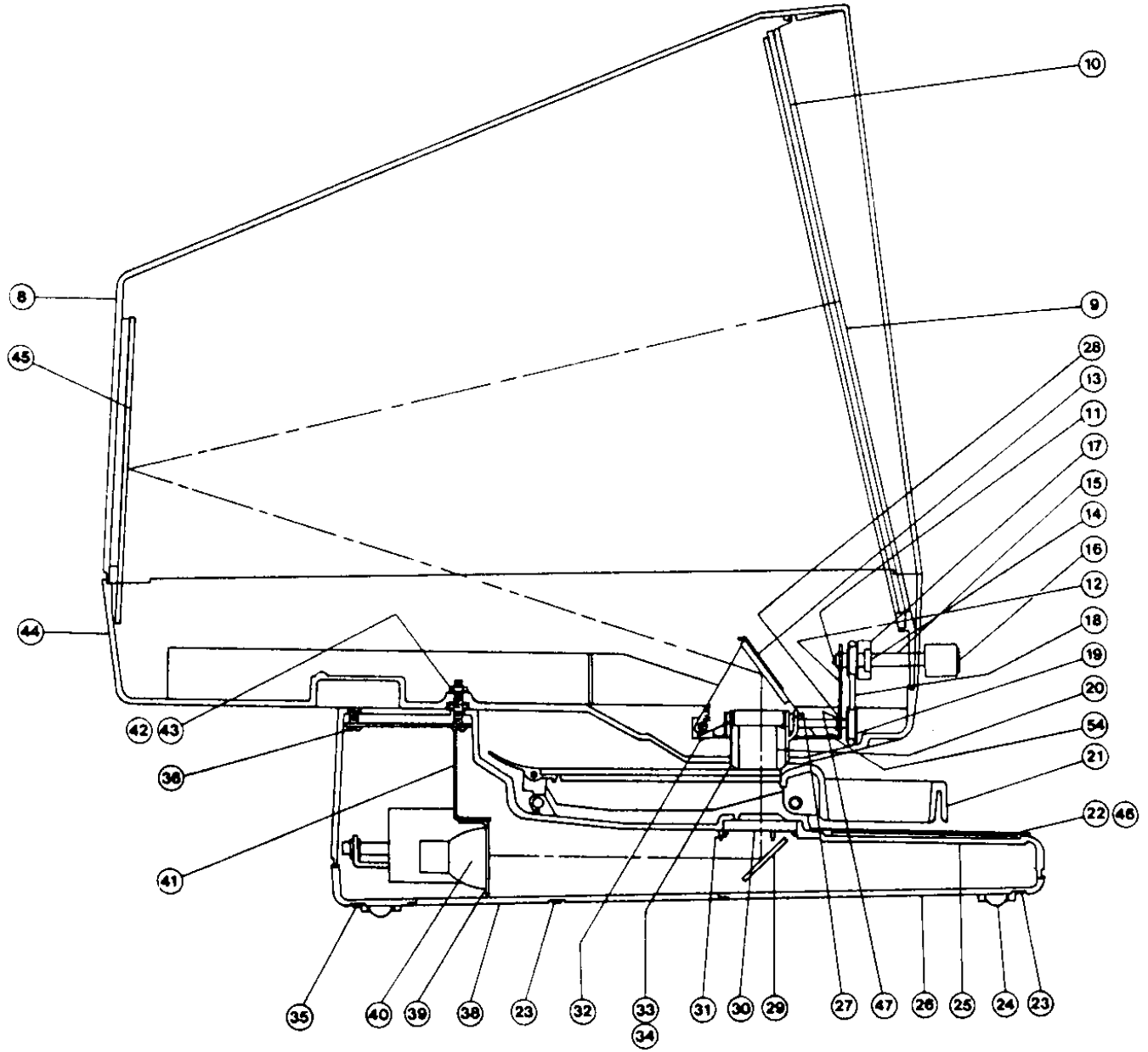
**120 Volt  
CSA Wiring Diagram**

**PARTS LIST**  
**Eye Com 3000**  
**Dual Lens**



**Dual Lens**  
**Parts List**  
**See Page 8**

**PARTS LIST**  
**Eye Com 3000**



**PARTS LIST**  
**Eye Com 3000 Single Lens/Dual Lens**

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
				28	1052	1/16 Nyliner, Single Lens	2
1	1056	Domestic Power Cord	1	29	1534	Condenser Mirror	1
	1058	European Power Cord	1	30	1611	Condenser Lens	1
	1059	Australian Power Cord	1	31	1041	Tinnerman Clip Condenser	3
	1060	United Kingdom Power Cord	1	32	1066	Spring, 1st Mirror Assembly, Single Lens	2
	1708	CSAPower Cord	1	33	1120	Lens Barrel, Brass	1
2	1057	Domestic Strain Relief	1	34	1645	Housing, Lens Barrel, Single Lens	1
	1070	European, Australian, U.K. & CSA Strain Relief	1	35	1650	Housing, Lens Barrel, Dual Lens	2
3	1065	Wire Cord to Switch	1	36	1081	#6 x 1-1/8 Base Screw	4
4	1127	On-Off Switch	1	37	1135	#8-32 x 3/4 Hood Mount Screw, Dual Lens	1
5	1008	120 Volt Transformer	1	38	1143	#6 x 32 x 1-1/4 Transformer Screw (CSA)	1
	1055	220/240 Volt Transformer	1	39	1013	Access Door	1
6	1048	Wire Connector	4	40	1042	Lamp Holder	1
7	1108	Domestic Lamp Socket	1	41	1006	Lamp	1
	1007	European, U.K., Australian & CSALamp Socket	1	42	1118	Heat Sink	1
				43	1077	#8-32 Nut	12
8	1606	Upper Hood	1	44	1110	#8 Lockwasher	8
9	1615	Screen, Projection, Blue	1	45	1618	Lower Hood, Single Lens	1
	1649	Screen, Projection, Grey	1	46	1300	Lower Hood, Dual Lens	1
	1602	Screen, Projection, Green	1	47	7050	Second Mirror Assembly	1
10	1601	Bezel	1	48	1016	Grid Plate	1
11	1083	#6-20 x 1/4 Screw, Single Lens	2	49	1051	E-Ring, Single Lens	1
		#6-20 x 1/4 Screw, Dual Lens	4	50	1138	E-Ring, Dual Lens	2
12	1629	Focus Bracket, Single Lens	1	51	1652	Pivot Bracket, Dual Lens Only	1
13	7024	Mirror Assembly, Single Lens	1	52	1619	Pivot Spring, Dual Lens Only	1
14	1123	Upper Focus Shaft O-Ring, Single Lens	1		1138	#6 - 10 x 1/2, Spring and Pivot Screw, Dual Lens	2
15	1630	Upper Focus Shaft, Single Lens	1	53	1655	Focus Bracket, Dual Lens	1
	1651	Upper Focus Shaft, Dual Lens	2	54	1639	#6 - 32 x 1/2 Focus Bracket Screw, Dual Lens	2
16	1035	Focus Knob	1	55	1640	#6 - 32 Nut, Focus Bracket, Dual Lens	2
17	1116	Focus Shaft Support Bracket , Single Lens	1	56	1642	#8 - 32 x 3/8 Focus Bracket Screw, Single Lens	4
		Focus Shaft Support Bracket , Dual Lens	2	57	1653	Handle, Dual Lens	1
18	1636	Focus Drive Belt, Single Lens	1	58	1635	Focus Wheel, Dual Lens	3
		Focus Drive Belt, Dual Lens	2	59	1616	Focus Shaft, Dual lens	1
19	1114	Lower Focus Shaft, Single Lens	1	60	1614	Screen Tab	2
		Lower Focus Shaft, Dual Lens	2	61	1138	#6 -10 x 1/2 Mirror Bracket Screw, Dual Lens	4
20	1129	Lens (10mm)	1	62	1654	Mirror Bracket, Dual Lens	1
	1113	Lens (12.5mm)	1	63	1131	Cable Tie (CSA)	1
	1043	Lens (15mm)	1	64	1132	#8 External Tooth Lockwasher (CSA)	1
	1044	Lens (17mm)	1	65	1134	Heat Shrink (CSA)	2
	1150	Lens (22mm)	1	66	1627	1st Mirror, Dual Lens	1
	1149	Lens (29mm)	1	67	1052	1/16 Nyliner, Dual Lens	4
	1155	Lens (32mm)	1	68	1813	#6-32 x 3/8 Handle Screw	2
21	7035	Carrier, 4 x 6	1	69	1656	Pivot Knob	1
	7036	Carrier, 4 x 7-3/8	1		1080	#6 Flatwasher	2
	7271	Carrier, Dual	1		1075	#8-32 x 1 Hood Mount Screw, Single Lens	6
22	7059	Grid 72X (10mm)	1			#8-32 x 1 Hood Mount Screw, Dual Lens	5
	G7011	Grid 60X (12.5mm)	1				
	7011	Grid 48X (15mm)	1				
	7012	Grid 42X (17mm)	1				
	G7031	Grid 32X (22mm)	1				
	7031	Grid 24X (29mm)	1				
	G7031	Grid 21X (32mm)	1				
23	1082	#6 x 7/8 Base Screw	2				
24	1062	Rubber Foot	4				
25	1004	Base - Upper Half	1				
26	1005	Base - Lower Half	1				
27	1115	Eccentric Universal, Single Lens	1				
		Eccentric Universal, Dual Lens	2				