

1/4-20 x1.0' lg.  
15 Pl.

6-32 x .25 lg.  
Hex Head  
3 Pl.

1/4-20 x1/4' lg.  
2 Pl.

Azimuth Adjustment

Mirror  
10.5 x 7.5 x  
1.0 Thick

10-24 x .75  
Flat Hd. Allen  
11 Pl.

211  
243 2K & BS  
256 mm

Nominal Mirror  
Positions

10-24 x .15  
Flat Hd. Allen  
12 Pl.

Elevation Adjustment

6-32 x 3/8  
flat Hd.  
6 Pl.

Axis Brace (3)

6-32 x .25  
Button Hd.  
Allen  
6 Pl.

McMaster Carr Parts  
Round threaded spacer  
1/4 inch OD x 1 1/2 inch  
Long x 10-32 thd.  
S Stl. Ref. Dwg. D990123-B  
3 Pl.

Spacer 1/2 od x 1/4 ID x  
.31 long  
#9230A240  
3 Pl.

Belleville Ref. #9713K63 (Bx3  
= 24 Per Assembly)

Flat head Scr  
10-32-1/2 long stainless  
allen  
6 Pl.

Height Adjustment +/- 1.75"  
(2K and BS)

Screw (2) (drawing)  
Spring (2) (drawing)

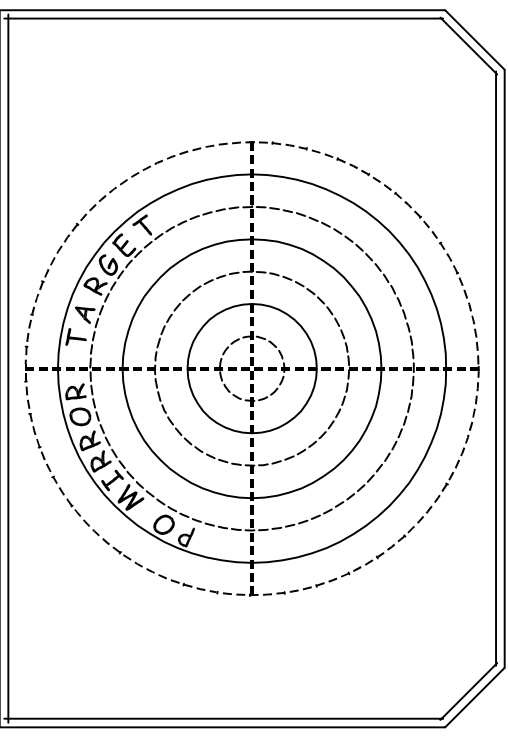
(2) 1/4-28 Hex Nut / McMaster# 91845A105  
(2) 1/4x3/8 OD Washer/ McMaster# 98019A355

Washer  
.143 ID x .267  
OD x .18 Thick  
#90945A710  
3 Pl.

**2K PD MIRROR ASSEMBLY**

1. D990039-B BACK PLATE (PD MIRROR)
2. D990040-D AZIMUTH FLEXURE (PD MIRROR)
3. D990041-C ELEVATION FLEXURE (PD MIRROR)
4. D990042-C ELEVATION AXIS STIFFNER
5. D990043-B FLEXURE BACK STIFFNER
6. D990044-B MOUNT FOOT (PD MIRROR)
7. D990048-A AXIS BRACE
8. D990055-B FLEXURE ADJUSTMENT SCREW
9. D990113-B TENSION SCREW
10. D990114-B TENSION SCREW SLEEVE
11. D990115-C SPRING
12. D990117-C MIRROR CLAMP
13. D990118-B CAP MIRROR CLAMP
14. D990123-B POST, MIRROR CLAMP
15. D990045-B MOUNT GUSSET PLATE BS\_BSC-7.
16. D990046-B MOUNT GUSSET PLATE ITMX\_BSC-4.
17. D990047-B MOUNT GUSSET PLATE ITMY\_BSC-4.
18. D990049-B MOUNT SIDE PLATE BS\_BSC-7
19. D990050-B MOUNT SIDE PLATE ITMX\_BSC-4
20. D990051-B MOUNT SIDE PLATE ITMY\_BSC-4.
21. L980023 P.D Mirror

APRIL 20, 2000



|   |  |   |  |             |  |           |  |           |  |           |  |
|---|--|---|--|-------------|--|-----------|--|-----------|--|-----------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES                                |  | MATERIAL: // HEAT TREAT: // FINISH: //                                  |  | DESCRIPTION |  | DATE      |  | SCALE     |  | SHEET     |  |
| TOLERANCES<br>FRACTIONAL ± .005<br>DECIMAL ± .005<br>ANGULAR ± .005<br>TYPICAL ± .005 |  | THREE PLACE DECIMAL ± .003<br>FIVE PLACE DECIMAL ± .0005<br>BOTH ± .005 |  | DESCRIPTION |  | DATE      |  | SCALE     |  | SHEET     |  |
| D990039-B   |  | D990040-D   |  | D990041-C   |  | D990042-C |  | D990043-B |  | D990044-B |  |
| D990048-A   |  | D990055-B   |  | D990113-B   |  | D990114-B |  | D990115-C |  | D990117-C |  |
| D990118-B   |  | D990123-B   |  | D990045-B   |  | D990046-B |  | D990047-B |  | D990049-B |  |
| D990050-B   |  | D990051-B   |  | L980023     |  |           |  |           |  |           |  |

