



ITEM	QTY	DESCRIPTION	PART NUMBER
38	4	Berg Clamp SQM-15	-
37	1	Maurey Instrument potentiometer 143-P93	-
36	1	Camera Focus Actuator Shear Pad	PFS10013
35	4	SHCS 1/4-20 UNCx0.75	-
34	1	Die Spring Screw Cap MCM96235K21	-
33	1	Die Spring MCM9584K52	-
32	1	Camera Focus Actuator Preload Support	PFS10004
31	1	Camera Focus Actuator Preload Body	PFS10005
30	1	Camera Focus Actuator Mounting Plate	PFS10002
29	1	Shaft 1/4 X 3 3/4 Make from MCM5947K11	-
28	1	Die Spring Screw Cap MCM96235K11	-
27	1	Boston Worm GDUH	-
26	1	Coupling MCM59925K92	-
25	1	Dowel Pin MCM98380A510	-
24	1	McGill cam roller CCF-3/4-SB	-
23	1	Truarc retaining ring 5100-62	-
22	1	Truarc retaining ring N5000-137	-
21	1	Spring pin MCM92383A691	-
20	2	Pic clamp L4-3	-
19	1	Pic spur gear H49-22	-
18	1	Pic spur gear H49-88	-
17	2	Boston Bearing 1602DC	-
16	1	Boston Worm Gear D1141 modified	PFS10007
15	8	SHCS 1/4-20 UNCx3	-
14	10	SHCS 6-32 UNCx0.375	-
13	4	SHCS 10-32 UNFx0.625	-
12	4	SHCS 4-40 UNCx0.375	-
11	1	Boston Bearing 1623DC	-
10	1	Boston Bearing 1641DC	-
9	1	Superior Electric motor KSL061T1Y	-
8	4	Shoulder Screw MCM94035A542	-
7	1	Camera Focus Actuator Worm Shaft Spacer 2	PFS10010
6	1	Camera Focus Actuator Worm Shaft Spacer 1	PFS10009
5	2	Camera Focus Actuator Worm Support Bracket	PFS10008
4	1	Camera Focus Actuator Drive Shaft	PFS10006
3	1	Camera Focus Actuator Potentiometer Cover	PFS10012
2	1	Camera Focus Actuator Potentiometer Block	PFS10011
1	1	Camera Focus Actuator Housing	PFS10001

Bill of Material

**THE OBSERVATORIES  
OF THE CARNEGIE INSTITUTION OF WASHINGTON**  
813 Santa Barbara Street  
Pasadena, CA 91101

MATERIAL	UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/32 .XX +/- 0.01 +/- 0.1 DEG .XXX +/- 0.002 GOAL .XXX +/- 0.005 REQD		
EST WEIGHT	15.2 lb		
SCALE	1:2		P lanet F nder S pectrograph
DWN	CRANE	7/10/2006	
APVD	BY	DATE	Camera Focus Actuator Assembly
SHEET	DRAWING NUMBER		
B	PFS00002		SHT 1 OF 1
			REV 2