BILL OF MATERIAL

ITEM NO.	QTY	MATERIAL	DESCRIPTION	WEIGHT
D40-1	1		OUTER SKYLIGHT SUPPRESSOR DRIVE ASSEMBLY	
D40-2	1		TRANSMISSION, GRAHAM MODEL SAMR 1346	
C			NOTE: THIS UNIT IS NOT NOW AVAILABLE W/ ROBBINS & MEYERS MOTOR. SEE B8	
			GRAHAM DWG. NO. A-1286, GEAR BOX	
			LENGTH "L" = 1.85" OUTPUT SPEED	
			RANGE .67 RPM TO ZERO	
D40-3	1	STAINLESS STEEL	SPUR GEAR, R.C.# G9-2I-P32-.3281 P.D.	
			21 TEETH, .64 PITCH, ⅜ FACE, ⅜ BORE	
			20° PRESS. ANGLE, PRECISION 3.	
D40-4	1	STAINLESS STEEL	CLUTCH, ADJUSTABLE SLIP, ASSEMBLY	
			R.C. No. 83-3-50: PIN HUB TYPE	
D40-5	1	BRONZE	WORM GEAR, BOSTON # G1026, .625 P.D.	
			20 TEETH, 32 PITCH, SINGLE THREAD,	
			14½° PRESS. ANGLE, RIGHT HAND THD.	
			⅜ FACE RATIO 20:1	
D40-6	1	STEEL	WORM, BOSTON # HLTH-1, .438 P.D.,	
			SINGLE THD. 14½° PRESS. ANGLE,	
			11/16 FACE, ⅜ HOLE, RIGHT HAND THD.	
D40-7	1	STEEL	BEARING, BALL, FAFNIR # FS1KDD-7	
			.2500 BORE, .6250 O.D., .1960 WIDE,	
			FLANGED TYPE, TWO SHIELDS	
D40-8	3	STEEL	BEARING, BALL, FAFNIR # F3SKDD 5	
			.1875 BORE, .5000 O.D., .1960 WIDE,	
			FLANGED TYPE, TWO SHIELDS	
D40-9	2	STEEL	BEARING, BALL, FAFNIR # MF3SKDD-3	
			.1250 BORE, .3750 O.D., .1562 WIDE,	
			FLANGED TYPE, TWO SHIELDS	
D-40-10	1		LIMIT SWITCH, MICROSW. # 1SM1-1	
D40-11	1		ACTUATOR, MICROSW. # JS-21	
B2 D40-12	1	STEEL	TAPER PIN, MORSE #6/0 (.096 DIA. LARGE END) CUT OFF EXCESS LENGTH	
D40-13	1	STAINLESS STEEL	TAPER PIN, R.I.C. # C2-1, #8/0 X ⅜ LG. DIA. @ LGE. END = .046	
A D40-14	2	STAINLESS STEEL	TAPER PIN, R.I.C. # C2-5, #5/0 X 9/16 LG. DIA. @ LGE. END = .094	
D40-15	1	STAINLESS STEEL	TAPER PIN, R.I.C. # C2-4, # 7/0 X ½ LG.	
D40-16	1	STAINLESS STEEL	ROLL PIN, R.I.C. # C3-5, 7/32 PIN SIZE X ⅜ LG.	
D40-17	1	STAINLESS STEEL	KEY, WOODRUFF: R.I.C. # CR-201, 2/16 X 5/16 SIZE	
D40-18	1	STAINLESS STEEL	4-40 UNC-2A X ¼ SOC HD CAPSCR	
D40-19	6	STAINLESS STEEL	10-32 UNF-2A X ¼ SOC HD CAPSCR	
D40-20	4	STAINLESS STEEL	8-32 UNC-2A X ⅜ SOC HD CAPSCR	
D40-21	3	STAINLESS STEEL	6-32 UNC-2A X ⅜ FLAT HD. SLOTTED MACH. SCR	
D40-22	4	STAINLESS STEEL	6-32 UNC-2A X ¼ SOC HD CAPSCR	
D40-23	8	STAINLESS STEEL	4-40 UNC-2A X ¼ SOC HD CAPSCR	
D40-24	2	STAINLESS STEEL	2-56 UNC-2A X ⅜ FLAT HD. SLOTTED MACH. SCR.	
D40-25	2	STAINLESS STEEL	2-56 UNC-2B HEX NUTS	
D40-26	7	STAINLESS STEEL	SOWEL PIN, R.I.C. # D4-2801 ⅛ DIA X ½ LG.	
D40-27	6	STAINLESS STEEL	#4-40 UNC-2A X ⅛ SOC HD CAP SCR.	
D58-1	1		OUTER SKYLIGHT SUPPRESSOR HOUSING ASSY.	
D58-1	1		WORM HOUSING	
D59-2	1		HANDWHEEL SUPPORT	
D59-3	1		LIMIT SWITCH BRACKET	
D59-4	1		HAND CONTROL WHEEL ASSEMBLY	
A D16-9	1		ELEC. COMPONENTS FOR ITEM D40-2	
D59-6	1		CABLE DRIVE SPUR GEAR, (192 TEETH)	
D59-7	1		WORM GEAR SHAFT	
D59-8	1		WORM GEAR SPACER	
D61-1	1		WORM SHAFT	
D61-2	1		PRELOAD WASHER	
D61-3	1		ADJUSTMENT WHEEL QUILL	
D61-4	1		ADJUSTMENT WHEEL	
D61-5	1		TRANSMISSION SPACER	
D40-28	2	STL.	DOWEL ⅛ DIA. x ½	
D59-11	1		CABLE RETAINER	
B4 D40-29	1	TEFLON PIN	⅛ DIA. x ¼ LG.	
B2 D40-30	2	STAINLESS STEEL	#2-56 x ⅛ LG. SOC HD. CAP SCR.	
D40-31	1	STAINLESS STEEL	#2-56 x ⅛ LG. SOC HD CAP SCR	
D40-32	2	BRASS	#2 FLAT WASHER	
D61-6	1		FLAT SPRING	

QUANT.	PRINT RECORD	DATE				
			C	ADDED NOTE	30 JAN 64	RLP 2
			B10	IN MAT'L LT. D40-14 WAS 1 REQ'D		CLK
			B9	D40-14 WAS D60-12		
			B6	ADDED 1: #D40-31 & D40-32		
			B3	REV'D ITEM #D40-12 FROM 4 MAT'L	Bdwg. 65	
			B2	ADDED 1: #D40-29, 30, & D61-6		
			B1	ADDED ITEM #D7-1 REF.	23 OCT 63	RLP
			A	ADDED D16-9 ELEC. COMPONENTS		
			NO.	REVISION	DATE	BY

TOLERANCES UNLESS OTHERWISE NOTED: DECIMAL ±.010 ±.005 ±.002 ANGLES ± 1/4°
FRACTIONAL — FABRICATION: UP TO 10" ± 1/16; 10" TO 20" ± 1/8; 20" & OVER ± .25 .005"/INCH
MACHINING: UP TO 10" ± .015; 10" TO 20" ± .020; 20" & OVER ± .025 .005"/INCH
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.

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84 INCH TELESCOPE CASSEGRAIN SPECTROGRAPH

TOLERANCES UNLESS NOTED: DECIMAL .XX ±.01, .XXX ±.005; FRACTIONAL ±1/64; ANGULAR ±1°; SURFACE 125	DESIGNED BY: C. MACKELL	DATE: 10-30-63
	DRAWN BY: R. KIRK	DATE: 7-8-64
	APPROVED BY: R. KIRK	DATE: 7-8-64
	SCALE: FULL SIZE	
NAME: OUTER SKYLIGHT SUPPRESSOR DRIVE (ASSEMBLY)	DWG NUMBER: 2028-01-D40	REV: C

REF. FILE 2090

D40-1 OUTER SKYLIGHT SUPPRESSOR DRIVE ASSEMBLY
1 REQ'D.
FULL SIZE

DISTORTION POST CLEARANCE NOTE

B1, B5 B2 B3 B2 C B3, B6

0 1 2 3 4 5 6 7 8 9 10