

## SHUTTLE OPERATOR AND SOLENOID ASSEMBLY

Ref. Dwgs. 070 006 495

ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
1	070-006-293	Connecting Rod Assembly	*35b	834-527-002	Nut, Hex 6-32 (Not Shown)
2	070-006-297	Long Tube			(Used With Item 35)
3	070-006-296	Washer - Spring	*35c	700-107-170	Adhesive - Loctite #601 1/2 oz.
4	070-006-306	Spring			(N.S.) (Used With Item 35)
5	070-006-304	Rod Assembly	36	843-133-002	Keps Nut Ext. Washers 8-32
6	070-006-299	Tube Assembly	37	070-006-279	Guard
7	070-006-302	Tube Plug	38	839-533-002	Nut Flex-Loc 8-32
8	835-566-002	Nut Hex Jam 3/8-24	39	000-021-442	Rubber Washer
9	070-006-046	Rod End	40	814-333-122	Hex Hd. Mach. Screw
9a	710-502-010	Lubricator Fitting			8-32 x 3/4
10	809-865-205	Hx. Hd. Cap Scr. 3/8-16 x 1 1/4	41	813-933-162	Hex Hd. Mach. Screw
11	840-065-002	Nut Flex Loc 3/8-16			8-32 x 1
12	070-006-295	Lever	**42	070-006-726	Solenoid 60Hz. (1/4 Dia.
13	610-704-002	Cam Follower Ass'y. Lub. W/Sohio 78 Grease or Equiv.	**42a	070-006-727	Solenoid 50Hz. (1/4 Dia.
14	710-501-012	Alemite Fitting			Plunger Hole)
15	835-570-002	Nut Hex Jam 7/16-20	43	070-006-277	Washer
16	070-006-284	Clamp Stud	44	070-006-276	Spring
17	834-557-002	Hex Nut 5/16-18	45	070-006-724	Spring Link (Outside)
18	835-565-002	Hex Jam Nut 3/8-16			With 1/4" Hole
19	809-865-165	Hex Hd. Cap Screw 3/8-16 x 1"	*45a	070-006-281	Spring Link (Outside)
20	070-006-294	Bracket Casting			With 5/32 Hole
21	701-416-058	Flange Bearing	***46	070-006-282	Spring Link (Center)
22	900-210-161	Flange Bearing	47	913-448-120	Roll Pin 1/4 x 3/4
23	070-006-286	Shaft	48	610-704-015	Kit Link Replacement
24	000-021-423	Collar (With Set Screw)			(Items 49 & 52)
25	807-357-040	Soc. Set Scr. Knurled Cup Point 3/16-18 x 1/4	49	070-008-135	Link Ass'y. (Link with
26	070-006-289	Shaft Headed (Inserts Thru its 20, 52, and 48)	49a	070-006-291	items 50, 51, and 53)
27	070-006-285	Shaft			Cast Link Ass'y. (For
28	070-006-278	Cam Link	50	900-204-121	replacement order item 48)
29	070-006-116	Clamp Stud	51	913-415-100	Flanged Bearing
30	835-549-002	Hex Jam Nut 1/4-20	52	070-008-133	Roll Pin
31	907-000-200	Key Hi-Pro #404	53	070-006-287	Spacer
32	070-006-484	Stop Lever Assembly	54	070-001-774	Pin
32a	070-006-456	Stop Lever (Used To Convert "A" To "B" Mach.)	55	070-002-653	Link Assembly
33	913-464-400	Roll Pin 3/8 Dia. x 2 1/2 Lg.	56	963-200-002	Bushing
**34	000-026-027	Solenoid 60Hz. (Not Shown)	57	070-006-307	X Washer 9000-8
		(3/32" Dia. Plunger Hole)	58	070-001-777	Link Assembly
**34a	000-027-873	Solenoid 50Hz. (Not Shown)	59	913-415-100	(Link with items 58 and 59)
		(3/32" Dia. Plunger Hole)	60	070-006-142	Pin
*35	000-028-391	Shoulder Scr. (Not Shown)	61	070-006-280	Roll Pin (3/32 Dia. x 5/8 Lg.)
		(Used with Item 34 or 34a)			Rubber Bumper
*35a	957-000-002	Shakeproof Lock Washer (N. S.) Used W/Item 35)	62	070-006-283	Spring Clip (Mt'd. to Item 20
					(Cst'g.) when Ass'y. is
					installed)
					Spring

\* Used prior to serial #110172 these parts used only with item #34 or 34A. Solenoids with 3/32 Dia. plunger hole. Apply loctite item #35C to item #35B (Nut) at assembly.

\*\* Mount solenoids so that stroke is vertical in all directions, within  $\pm 1/64$  inch.

\*\*\* If replacing item #34 or 34a solenoid with items #42 and 47 or #42a and 47 cut 1/16 inch off top of item #46 to bring overall length to 2 23/32 inch.  
(Check length of item #46 before cutting)

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