



FIGURE 21 - MAIN LANDING GEAR MECHANISM

KEY	ITEM NO.	PART NUMBER	1	2	3	4	NOMENCLATURE	UNITS PER ASSY	USAGE
1	2501	143-33153	Shaft	-	Main Landing Gear Actuating Strut Support	-	-	2	
2		AN960-1216	Washer	-	Plain	-	-	2	
3	2502	143-33154	Universal	-	Main Landing Gear Actuating Strut	-	-	2	
4	2503	143-33160-4	Bungee Assy	-	Landing Gear Down Lock	-	-	2	
5		AN4-7A	Bolt	-	Aircraft 1/4-28	-	-	1	
6		AN4-15A	Bolt	-	Aircraft 1/4-28	-	-	1	
7	2504	145-34155-7	Spacer	-	Landing Gear Link Bolt	-	-	2	
8	8368	434-8-24	Spacer	-		-	-	1	
9		AN365-428	Nut	-	Self Locking	-	-	2	
10	2505	143-33160-11	Rod End	-	Landing Gear Down Lock	-	-	1	
11	2506	143-33160-13	Tube Assy	-	Landing Gear Down Lock	-	-	1	
12	9164	M97	Spring	-	(Muelhausen)	-	-	1	
13	2507	143-33160-10	Tube	-	Landing Gear Down Lock	-	-	1	
14	2508	143-33160-15	Cap	-	Tube	-	-	1	
15	2509	143-33160-6	Rod End	-		-	-	1	
16		AN392-19	Pin	-	Flat Head 1/8	-	-	2	
17	2510	143-33161-1-SA#1	Fitting Assy	-	Landing Gear Bungee Attach LH	-	-	1	
	2511	143-33161-2-SA#2	Fitting Assy	-	Landing Gear Bungee Attach RH	-	-	1	
18	2512-10	145-33171-101	Shaft Assy	-	Side Brace Torque LH	-	-	1	
	2513-10	145-33171-102	Shaft Assy	-	Side Brace Torque RH	-	-	1	
19	2514	143-33156	Shaft	-	Side Brace Support	-	-	1	
20	2515	143-33166	Bellcrank Assy	-	Main Landing Gear Retracting	-	-	1	
21		AN386-3-10	Pin	-	Threaded Taper	-	-	2	
22		AN975-4	Washer	-	Taper Pin	-	-	2	
23		AN320-4	Nut	-	Aircraft Shear	-	-	2	
24	2516-10	143-33165-10	Brace Assy	-	Main Landing Gear Upper Side	-	-	1	
25	2517	145-33184	Bolt	-	Side Brace to Torque Shaft Attaching	-	-	1	
26		AN320-7	Nut	-	Aircraft Shear	-	-	1	
27	2518	143-33155	Retainer	-	Side Brace Support Shaft Oil	-	-	2	
28	2519	143-33164	Link Assy	-	(Includes Bearing and Lubricator)	-	-	1	
29	2520	145-33160	Pin	-	Landing Gear Down Link	-	-	1	
30	8533	2W1-40-44-62	Washer	-		-	-	1	
31		AN365-428	Nut	-	Self Locking	-	-	1	
32		AN26-28	Bolt	-	Clevis 3/8-24	-	-	1	
33		AN320-6	Nut	-	Aircraft Shear	-	-	1	
34		AN4-15A	Bolt	-	Aircraft 1/4-28	-	-	1	
35	2521	143-33164-6	Bearing	-	Link	-	-	1	
36		NAS2-101-(NAS 2-1D1)	Lubricator Fitting	-		-	-	1	
37	2522	143-33175-2	Cable Assy	-	(Includes Clevis Terminal)	-	-	1	2-1650
	2522-10	143-33175-8	Cable Assy	-	(Includes Clevis Terminal)	-	-	1	1651 & Subs
38	2523	143-33175-5	Cable Assy	-	(Includes Clevis Terminal)	-	-	1	2-1650
	2523-10	143-33175-10	Cable Assy	-	(Includes Clevis Terminal)	-	-	1	1651 & Subs
39		AN393-7	Pin	-	Flat Head 3/16	-	-	1	
40		AN393-11	Pin	-	Flat Head 3/16	-	-	1	
41		AN665-10R	Terminal	-	Cable	-	-	1	
42		AN210-1A	Pulley	-	Lock Release Cable Idler	-	-	1	2-1784
	2539	145-33176	Pulley	-	Lock Release Cable Idler	-	-	1	1785 & Subs
43		NAS73-3-005	Bushing	-		-	-	1	1785 & Subs
44	2524	145-33118	Shaft Assy	-	Landing Gear Lock Release Torque	-	-	1	
45	8050	5B1-7	Bolt	-	Adjustment	-	-	1	
46		AN345-10	Nut	-	Light Hexagon (Fine Thread)	-	-	1	
47	2525	145-33109	Shaft Assy	-	Main Landing Gear Uplock Torque	-	-	1	
48	8491	2W1-34-28-64	Washer	-		-	-	8	
49	2526	145-33167	Rod Assy	-	Main Landing Gear Uplock	-	-	2	
50		AN393-13	Pin	-	Flat Head 3/16	-	-	2	
51		AN960-10L	Washer	-	Plain	-	-	2	
52	8473	2W1-12-12-20	Washer	-		-	-	2	
53		AN486-4	Rod End	-	Clevis Adjusting	-	-	1	
54	2527	145-33168	Clip	-	Main Landing Gear Uplock Spring	-	-	1	
55		AN316-4R	Nut	-	Aircraft Check	-	-	1	
56	2528	145-33167-6	Tube Assy	-	Main Landing Gear Uplock	-	-	1	
57	2530	145-33170-1	Bracket Assy	-	Main Landing Gear Uplock LH	-	-	1	
	2531	145-33170-2	Bracket Assy	-	Main Landing Gear Uplock RH	-	-	1	
58	2529	145-33169	Hook Assy	-	Main Landing Gear Uplock	-	-	2	
59		AN6-27A	Bolt	-	Aircraft 3/8-24	-	-	1	
60		NAS72-6-006	Spacer	-		-	-	1	
61		AN365-624	Nut	-	Self Locking	-	-	1	
62	2532	143-33181	Spring	-	Lock Release Cable Tension	-	-	1	
63	2533	145-33172	Spring	-	Main Landing Gear Uplock	-	-	2	
64	2534	145-33162	Block	-	Uplock Torque Shaft Bearing	-	-	2	
65		AN3-5A	Bolt	-	Aircraft 10-32	-	-	4	
66		AN365-1032	Nut	-	Self Locking	-	-	4	
67	2535	143-33158	Bracket Assy	-	Lock Release Torque Shaft	-	-	2	
68	2536	143-33158-3	Bracket	-	Lock Release Torque Shaft	-	-	2	
69	2537	143-33157	Bearing	-		-	-	1	
70		AN3-5A	Bolt	-	Aircraft 10-32	-	-	4	
71		AN960-10L	Washer	-	Plain	-	-	4	
72		AN365-1032	Nut	-	Self Locking	-	-	4	
73	2538	145-33120	Block	-	Uplock Shaft Support	-	-	1	
		AN365-832	Nut	-	Self Locking	-	-	2	
74			Fitting	-	Trunnion Bearing (See Page 8)	-	-	Ref	
75			Valve	-	Hydraulic Power & Control (See Page 56)	-	-	Ref	
76			Actuating Cylinder	-	Complete Hydraulic (See Page 64)	-	-	Ref	
77			Shock Strut	-	Main Landing Gear (See Page 48)	-	-	Ref	