



FIGURE 12A - KOPPERS AEROMATIC PROPELLER INSTALLATION
Used On Planes Equipped With Lycoming Engine

KEY	ITEM NO.	PART NUMBER	1	2	3	4	NOMENCLATURE	UNITS PER ASSY	USAGE
1	9601	4373H					Propeller Assy - Altitude Control Complete (Aeromatic)	1	Model B
2	9601-100						Propeller Assy - Altitude Control (Aeromatic) - -	1	
3	9601-110	4221H					Hub Assy - Propeller Model 220H (Aeromatic) - -	1	
4	9601-120	P40017-93					Blade Assy - Propeller Model O-93 (Aeromatic) - -	2	
5	9601-130	3337					Arm & Bracket Assy - Counterweight (Aeromatic) - -	2	
6	9601-140	3282-1					Arm - Counterweight (Aeromatic) - - - -	1	
7	9601-150	3335					Bracket - C'weight Arm Thrust (Aeromatic) - -	1	
8	9601-160	20230					Screw Assy - Thrust (Aeromatic) - - - -	1	
9		AN365-524					Nut - Self Locking (Thrust Screw Lock) - -	1	
10	9601-170	20220					Dowel - Thrust Bracket (Aeromatic) - - - -	1	
11		AN502-416-6					Screw - Drill Fil Head 1/4-28 (Thrust Br'kt)	2	
12	9601-180	2965-2					Counterweight - Propeller (.5 oz.) (Aeromatic) -	AR	
	9601-190	2965-3					Counterweight - Propeller (1. oz.) (Aeromatic) -	AR	
	9601-200	2965-4					Counterweight - Propeller (2. oz.) (Aeromatic) -	AR	
	9601-210	2965-5					Counterweight - Propeller - - - - (Aeromatic) -	AR	
	9601-230	2965-7					Counterweight - Propeller (5. oz.) (Aeromatic) -	AR	
	9601-240	2965-8					Counterweight - Propeller (10.oz.) (Aeromatic) -	AR	
13	9601-550	2167					Bolt - Counterweight Arm Clamp - - - -	2	
14	9601-560	20042-8					Nut - Counterweight Arm Clamp - - - -	2	
		AN380C-4-3					Pin - Cotter - - - -	2	
15		AN7-30					Bolt - Aircraft 7/16-20 (Counterweight) - - -	2	
16		AN310-7					Nut - Aircraft Shear (Counterweight) - - -	2	
		AN380C-3-3					Pin - Cotter (Counterweight) - - - -	2	
17	9601-250	2894					Screw - Counterweight Arm Locating (Aeromatic) -	2	
18	9601-260	2714-6					Washer - Arm Locating Screw (Aeromatic) - -	2	
19		AN502-10-4					Screw - Drill Fil Head #10 (C'weight Arm Safety)	2	
20		AN960-10					Washer - Plain (C'weight Arm Safety Screw) - -	2	
21		AN960-10L					Washer - Plain (C'weight Arm Safety Screw) - -	2	
22	9601-270	2659-49					Bolt - Propeller Low Pitch Stop (Aeromatic) - -	2	
23	9601-280	2659-64					Bolt - Propeller High Pitch Stop (Aeromatic) - -	2	
24	9601-290	2660					Shim - Propeller Stop Bolt (Aeromatic) - - -	8	
25	9601-570	No Number					Key - Propeller Thrust Plate Engine Shaft Tee(Aero)	2	
26	9426	2542					Spacer - Propeller Hub Rear Cone (Aeromatic) - -	1	
27		AN5008-20					Cone - Propeller Hub Rear - - - -	1	
28	9425	2400					Cone - Propeller Hub Front (Aeromatic) - - -	1	
29	9424	2756					Nut - Propeller Retaining (Aeromatic) - - -	1	
30		AN393-19					Pin - Flat Head 3/16 - - - -	1	
		AN381-2-12					Pin - Cotter (Corrosion Resisting Steel) - - -	1	
31		AN5009-20					Ring - Propeller Hub Snap - - - -	1	
32	9601-300	3362					Plate & Housing Assy - Thrust (Aeromatic) - - -	1	
33	9601-310	3360					Plate Assy - Alt Control Thrust (Aeromatic) - -	1	
34	9601-320	3359					Housing - Altitude Control (Aeromatic) - - -	1	
35	9601-330	20301					Fitting - Altitude Control Grease (Aeromatic) -	1	
36	9601-340	20277					Bearing - Altitude Control (Aeromatic) - - -	2	
37	9601-350	20217					Shim - Bearing Seal (Aeromatic) - - - -	1	
38	9601-360	20400					Shim - Bearing Seal - Inner (Aeromatic) - - -	1	
39	9601-370	20403					Ring - Thrust Plate Snap (Aeromatic) - - -	1	
40	9601-380	20404					Ring - Housing Snap (Aeromatic) - - - -	1	
41	9601-390	2428-50					Transfer - Check Lubricant (Aeromatic) - - -	1	
42	9601-400	20391-2					Bracket Assy - Housing - - - -	1	
43		AN500-416-8					Screw - Drilled Fil Head 1/4-20 (Bracket) - -	4	
44		AN960-416					Washer - Plain (Bracket Screw) - - - -	4	
45		AN936-A416					Washer - Lock (Housing Bracket Screw) - - -	4	
46	9601-410	3361					Flange - Altitude Control Mounting (Aeromatic) -	1	
47		AN936-A616					Washer - Internal Teeth Lock - - - -	6	
48	9601-420	20204					Dowel - Altitude Control Housing (Aeromatic) - -	3	
49	9601-430	20205					Plate - Housing Dowel Cover (Aeromatic) - - -	3	
50		AN502-10-6					Screw - Drill Fil Head 10-32 (Cover Plate) - -	6	
51		AN960-10					Washer - Plain (Housing Dowel Screw) - - -	3	
52		AN960-10L					Washer - Plain (Thin) (Cover Plate Screws) - -	3	
53	9601-440	3364					Cylinder Assy - Altitude Control Hyd (Aeromatic) -	1	
54	9601-450	20413					Tube - Alt Control Cylinder (Aeromatic) - - -	1	
55	9601-460	20412					Ring - Alt Control Cylinder Snap (Aeromatic) -	1	
56	9601-470	20414					Plug - Alt Control Cylinder End (Aeromatic) - -	1	
57	9601-480	20411					Seal - Alt Control Cylinder O-Ring (Aeromatic) -	2	
58	9601-490	20416					Piston Assy - Alt Control Cylinder (Aeromatic) -	1	
59	9601-500	20423					Spring - Alt Control Cylinder (Aeromatic) - - -	1	
60	9601-510	20415					Head - Alt Control Cylinder (Aeromatic) - - -	1	
61		AN316-4R					Nut - Aircraft Check - - - -	1	
62		AN486-2					Clevis - Rod End Adjusting (Piston Rod) - - -	1	
63		AN822-6-2					Elbow - 90° (Hyd Cylinder Inlet Port) - - -	1	
64		AN76A10					Bolt - Aircraft Drill Head 3/8-16 (Cyl Attach) -	2	
65	9601-520	20410					Yoke - Alt Control Cylinder (Aeromatic) - - -	1	
66	9601-530	20419					Bearing - Alt Control Cylinder Yoke (Aeromatic) -	3	
67		AN960-816					Washer - Plain - - - -	2	
68		AN960-816L					Washer - Plain (Thin) - - - -	2	
69	9601-540	20421					Bolt - Alt Control Cylinder Yoke (Aeromatic) - -	1	
70		AN364-624					Nut - Self Locking - - - -	1	
71		AN394-13					Pin - Flat Head 1/4 (Piston Rod Clevis) - - -	1	
72		AN960-416					Washer - Plain (Piston Rod Clevis) - - - -	1	
		AN380C-2-2					Pin - Cotter (Piston Rod Clevis) - - - -	1	