

DO NOT CROSS RED LINES

READ REMARKS!

RESTRICTED
T. O. No. 00-45-1

	LIGHT BOMBERS					FIGHTERS															PHOTOGRAPHIC				CARGO										ROTARY																			
	A-24LO	A-33AVN	A-37BVN	A-37AN	P-38LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO	P-39LO															
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9		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
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26		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
28		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
29		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
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41		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
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REMARKS: LINE NUMBERS IN RED.

NUMBERS GIVEN FOR SUSPENSION ASSYS DYNAFOCAL DESIGNATES THE COMPLETE ASSY. ON ALL ASSYS MANUFACTURED BY LORD THE SUB-ASSEMBLIES CAN BE ORDERED BY THE BASIC NUMBER WITH "SA" ADDED.				V. H. BOMBERS												HEAVY BOMBERS												MEDIUM BOMBERS												LIGHT BOMBERS																																																															
				B-22-CD	B-23-BW	B-24-BN	B-25-AN	B-26-MA	B-27-BA	B-28-BO	B-29-BO	B-30-DO	B-31-DO	B-32-RO	B-33-DO	B-34-DO	B-35-DO	B-36-DO	B-37-DO	B-38-DO	B-39-DO	B-40-DO	B-41-DO	B-42-DO	B-43-DO	B-44-DO	B-45-DO	B-46-DO	B-47-DO	B-48-DO	B-49-DO	B-50-DO	B-51-DO	B-52-DO	B-53-DO	B-54-DO	B-55-DO	B-56-DO	B-57-DO	B-58-DO	B-59-DO	B-60-DO	B-61-DO	B-62-DO	B-63-DO	B-64-DO	B-65-DO	B-66-DO	B-67-DO	B-68-DO	B-69-DO	B-70-DO	B-71-DO	B-72-DO	B-73-DO	B-74-DO	B-75-DO	B-76-DO	B-77-DO	B-78-DO	B-79-DO	B-80-DO	B-81-DO	B-82-DO	B-83-DO	B-84-DO	B-85-DO	B-86-DO	B-87-DO	B-88-DO	B-89-DO	B-90-DO	B-91-DO	B-92-DO	B-93-DO	B-94-DO	B-95-DO	B-96-DO	B-97-DO	B-98-DO	B-99-DO	B-100-DO																					
DESCRIPTION	VENDOR	PART NO.	TYPE																																																																																																				
1 MOUNT - ENGINE FLEXIBLE CLASS 03-J																																																																																																							
2 SUSPENSION ASSY DYNAFOCAL	LORD	MR-25A																																																																																																					
3 * * *	*	MR-26 (*)																																																																																																					
4 * * *	P & W	E-45123 (*)																																																																																																					
5 * * *	LORD	MR-36 (*)																																																																																																					
6 * * *	P & W	E-48806 (*)																																																																																																					
7 * * *	LORD	MR-36A (*)																																																																																																					
8 * * *	P & W	R-83150 (*)																																																																																																					
9 * * *	LORD	MR-36E (*)																																																																																																					
10 * * *	P & W	E-54257 (*)																																																																																																					
11 * * *	LORD	MR-36F (*)																																																																																																					
12 * * *	*	MR-36H (*)																																																																																																					
13 * * *	P & W	R-81466 (*)																																																																																																					
14 * * *	LORD	MR-37 (*)																																																																																																					
15 * * *	P & W	E-45124 (*)																																																																																																					
16 * * *	LORD	RL-25																																																																																																					
17 * * *	*	RL-15A-1																																																																																																					
18 * * *	GOODYEAR	289000																																																																																																					
19 * * *	LORD	RL-150-1																																																																																																					
20 * * *	*	RL-15A-2																																																																																																					
21 * * *	LOCKHEED	638001																																																																																																					
22 * * *	LORD	RL-35																																																																																																					
23 * * *	LOCKHEED	638002																																																																																																					
24 * * *	LORD	RS-40A (*)																																																																																																					
25 * * *	*	RS-40E (*)																																																																																																					
26 * * *	GOODYEAR	267001																																																																																																					
27 MOUNTING BOXED RUBBER SANDWICH	LORD	SK-1292-1																																																																																																					
28 * * *	*	SK-1292-2																																																																																																					
29 * * *	*	J-1772-1 (*)	FRONT																																																																																																				
30 * * *	BELL	26- (NP) (*) 612-002-1 (*)	*																																																																																																				
31 * * *	LORD	J-1768-1	REAR																																																																																																				
32 * * *	BELL	26- (NP) (*) 612-004-1 (*)	*																																																																																																				
33 * * *	LORD	J-1842-1	FRONT																																																																																																				
34 * * *	BELL	33- (NP) 612-009-1	*																																																																																																				
35 * * *	LORD	J-1843-1	REAR																																																																																																				
36 * * *	BELL	33- (NP) 612-005-1	*																																																																																																				
37 MOUNTING ASSY TUBE FORM	LORD	J-1268	FRONT																																																																																																				
38 * * *	*	J-1269	REAR																																																																																																				
39 * * *	*	J-1278-1	LOWER																																																																																																				
40 * * *	BEECH	(NP) 189105	*																																																																																																				
41 * * *	LORD	J-1279-0	UPPER																																																																																																				
42 * * *	BEECH	(NP) 189106	*																																																																																																				
43 * * *	LORD	J-1202																																																																																																					
44 * * *	DOUGLAS	(NP) 1119353																																																																																																					
45 * * *	LORD	J-1295																																																																																																					
46 * * *	*	H-5006-3																																																																																																					
47 * * *	CESSNA	(NP) 729016																																																																																																					
48 * * *	LORD	J-1251																																																																																																					
49 * * *	CURTISS	(NP) 87-22-029																																																																																																					
50 MOUNT - ENGINE FLEXIBLE CORD																																																																																																							

REMARKS: LINE NUMBERS IN RED. (NP) MEANS NON-PROCURABLE.
 (*) (3) ASSY PART NO. MR-26 CONSISTS OF EIGHT SUB-ASSEMBLIES MR-26-SA WHICH ARE INTERCHANGEABLE WITH P & W SUB-ASSY NO. B-42399.
 (*) (4) EIGHT SUB-ASSYS. PART NO. B-42399 ARE USED TO MAKE E-45123.
 (*) (5) MR-36 ASSY CONSISTS OF SIX SUB-ASSYS MR-36-SA WHICH ARE INTERCHANGEABLE WITH P & W SUB-ASSY NO. B-49056.
 (A) (6,7) MR-36 CAN BE CONVERTED TO MR-36A BY INSTALLING CORE NO. MR-36-1A IN PLACE OF CORE NO. MR-36-1. BY REVERSING THIS PROCEDURE, THE MR-36A CAN BE CONVERTED TO A MR-36 ASSY.
 (*) (8) SIX SUB-ASSYS PART NO. B-49056 ARE USED TO MAKE E-48806.
 (*) (9) SIX SUB-ASSYS PART NO. B-83101 ARE USED TO MAKE R-83150.
 (*) (10) ASSY MR-36E CONSISTS OF TWO SUB-ASSYS MR-36E-S1 AND FOUR MR-36E-S41. SUB-ASSY MR-36E-S41 CONTAINS CORE ASSY MR-36-1E. THE MR-36E-S41 IS THE SAME AS MR-36-54 LESS MR-36-4, SHIMMING DISC MR-36-5, SPRING PLATE AND MR-36-11 SNAP RING.
 (*) (11) SIX SUB-ASSYS PART NO. 49061 ARE USED TO MAKE E-54257.

RESTRICTED
T. O. No. 00-45-1

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DO NOT CROSS RED LINE FOR INTERCHANGEABILITY (EXCEPT WHEN NOTED IN REMARKS)

NUMBERS GIVEN FOR SUSPENSION ASSY DYNAFOCAL DESIGNATES THE COMPLETE ASSY ON ALL ASSYS MANUFACTURED BY LORD. THE SUBASSEMBLIES CAN BE ORDERED BY THE BASIC NUMBER WITH "SA" ADDED.
NOTE: FOR BLADE ANGLE DEGREES REFER TO T.O. NO. 03-20-1. WIDE BLADES REQUIRE DOUBLE CAPACITY GOVERNORS. PROPELLER ASSYS AND GOVERNORS ON TWIN ENGINE AIRPLANES SHOULD BE IDENTICAL. ON 4 ENGINE AIRPLANES IF DIFFERENT PROPELLERS OR GOVERNORS ARE USED THE TWO OUTBOARD SHOULD BE IDENTICAL AND THE TWO INBOARD IDENTICAL.

V. H. BOMBERS				HEAVY BOMBERS								MEDIUM BOMBERS						LIGHT BOMBERS												
B-32-CO	B-37-BW	B-39-BN	B-39-BA	B-39-MA	B-17E-RO	B-17E-DO	B-17E-LO	B-17C-RO	B-17C-DO	B-17C-LO	B-24E-CF	B-24E-DT	B-24E-FO	B-24E-NA	B-24E-MA	B-24E-CA	B-24E-MA	B-24E-MA	B-24E-MA	B-24E-MA	B-24E-MA	B-24E-MA	A-20E-DO	A-20E-DO	A-20E-DO	A-20E-DO	A-20E-DO	A-20E-DO	A-20E-DO	A-20E-DO

1	DESCRIPTION			VENDOR	PART NO.	TYPE																																
	CONT'D																																					
2	MOUNTING ASSY TUBE FORM			LORD	J-1252																																	
3	" " " "			CURTISS	87-22-028 ^(NP)																																	
4	" " " "			LORD	J-1282																																	
5	" " " "			CURTISS	87-22-541 ^(NP)																																	
6	" " " "			LORD	J-1283																																	
7	" " " "			CURTISS	87-22-523 ^(NP)																																	
8	" " " "			LORD	J-1767																																	
9	" " " "			NORTH AMERICAN	102-31958 ^(NP)																																	
10	PAD - ENGINE MOUNT			LOCKHEED	24445 ^(NP)																																	
11	" " " "			"	24446 ^(NP)																																	
12	BUSHING - BONDED RUBBER			LORD	SK-1925																											x	x					
13	" " " "			"	J-1789-1																																	
14	" " " "			DOUGLAS	1118876 ^(NP)																																	
15	BUSHING - ENGINE MOUNT, RUBBER			HOORDUYN	05-31905																																	
16	SHUBBING PAD			LORD	J-1769-1 ^(*)																																	
17	" " " "			BELL	26-311-058-1 ^(*)																																	
18	" " " "			LORD	J-1769-2 ^(*)																																	
19	" " " "			BELL	26-311-051-1 ^(*)																																	
20	" " " "			LORD	J-1896-1																																	
21	" " " "			BELL	33-612-095-1 ^(NP)																																	
22	" " " "			LORD	J-1896-2																																	
23	" " " "			BELL	33-612-094-1 ^(NP)																																	
24	PROPELLER ASSY (*) CLASS DS-A																																					
25		BLEED HOLES	HAMILTON STANDARD	HUB	BLADES																																	
26		NO	"	23E50-109-6353A-18 ^(*)	-6153A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
27		YES	"	23E50-137-6193A-3 ^(*)	-6393A-3 ^(*)																																	
28		NO	"	23E50-189-6353A-18 ^(*)	6153A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
29		YES	"	23E50-195-6193A-3	-6393A-3 ^(*)																																	
30		NO	"	23E50-233-6153A-18 ^(*)	-6153A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
31		NO	"	23E50-241-6353A-18 ^(*)	-6153A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
32		YES	"	23E50-247-6193A-3	-6393A-3 ^(*)																																	
33		NO	"	23E50-285-6379A-0 ^(*)	-6379A-0 ^(*)																																	
34		NO	"	23E50-287-6353A-21	-6353A-21																																	
35		NO	"	23E50-287-6353A-18	-6353A-18		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
36		NO	"	23E50-295-6353A-18	-6353A-18																																	
37		YES	"	23E50-301-6393A-3	-6393A-3																																	
38		YES	"	23E50-301-6353A-21	-6353A-21																																	
39		NO	"	23E50-311-6353A-25	-6353A-25																																	
40		NO	"	23E50-327-6393A-3	-6393A-3																																	
41		YES	"	23E50-403-6353A-21	-6353A-21																																	
42		YES	"	23E50-403-6353A-18	-6353A-18 ^(*)																																	
43		YES	"	23E50-403-6353A-18 ^(*)	-6153A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
44		YES	"	23E50-417-6353A-21	-6353A-21																																	
45		YES	"	23E50-417-6393A-3	-6393A-3																																	
46		YES	"	23E50-425-6193A-3 ^(*)	-6353A-3 ^(*)																																	
47		YES	"	23E50-431-6153A-18 ^(*)	-6353A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
48		YES	"	23E50-459-6153A-18 ^(*)	-6353A-18 ^(*)		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
49		YES	"	23E50-465-6353A-18	-6353A-18		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
50	PROPELLER ASSY CONT'D																																					

REMARKS: LINE NUMBERS IN RED. (NP) MEANS NON-PROCURABLE.
(*) (16, 17, 18, 19) FOR INSPECTION AND REPLACEMENT SEE T.O. 0. 01-110FN-22.
(*) (20) THOSE PROPELLERS MADE BY HAMILTON STANDARD AND HAVING BLEED HOLES SHOULD BE USED IN PREFERENCE TO THOSE WITHOUT BLEED HOLES WHEN USED ON AIRPLANES SUBJECTED TO LOW TEMPERATURE EITHER IN FLIGHT OR ON THE GROUND. DIRECTIONS FOR NECESSARY MODIFICATIONS ARE IN T.O. NO. 03-20CC-6.
(*) (2, 27, 28, 29, 30, 31, 33, 43, 45, 47, 48) EITHER BLADE SHOWN CAN BE USED IN SETS OF THREE BLADES.

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DO NOT CROSS RED LINE FOR INTERCHANGEABILITY (EXCEPT WHEN NOTED IN REMARKS)

HAMILTON STANDARD PROPELLER HUBS WITH 500 PSI DISTRIBUTOR VALVE PRESSURE CANNOT BE USED WITH GOVERNORS HAVING 600 PSI PRESSURE CUT-OUT SWITCH SETTING. PROPELLER HUBS WITH 600 PSI DISTRIBUTOR VALVE PRESSURE CAN BE USED WITH GOVERNORS HAVING 500 OR 600 PSI PRESSURE. FAST, FAIRED AND STANDARD CAN HUBS SHOULD NOT BE USED TOGETHER ON MULTI-ENGINE AIRPLANES AS RATIO OF PITCH CHANGE DIFFERS. NOTE: HAMILTON HYDROMATIC. WHEN INSTALLING NEW TYPE BLADE WITH SPLIT CHAFING RINGS IN OLD TYPE HUBS WITH BLADE PACKING NUTS OR SHORT INTEGRAL BLADE PACKING LIPS, SPECIAL WASHERS FOR RETAINING BLADE PACKINGS MUST BE USED. SEE T. O. NO. AN 03-20CC-1 FOR PARTS REQUIRED FOR DIFFERENT HUBS.

V. H. BOMBERS				HEAVY BOMBERS								MEDIUM BOMBERS						LIGHT BOMBERS							
B-24-CO	B-24-RW	B-24-BA	B-24-NA	B-24-MA	B-24-RO	B-24-DO	B-24-LO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO

LINE NO.	DESCRIPTION	VENDOR	PART NO.	TYPE	BOMBERS																							
					B-24-CO	B-24-RW	B-24-BA	B-24-NA	B-24-MA	B-24-RO	B-24-DO	B-24-LO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	B-24-BO	B-24-LO	B-24-DO	
1	HUB ASSY - PROPELLER - CLASS 03-A																											
2	"	CURTISS	111108-4																									
3	"	"	111109-1																									
4	"	"	111456-1																	X	X	X	X	X				
5	"	"	113303		X																							
6	"	"	113303-1		X																							
7																												
8																												
9																												
10	BLADE - PROPELLER CLASS 03-A																											
11	"	HAMILTON STANDARD	6101A-12																									
12	"	"	6103A-9																						X	X		
13	"	"	6135A-15 (*)																									
14	"	"	6153A-18 (*)																									
15	"	"	6153A-21 (*)																									
16	"	"	6167A-15 (*)																						X	X		
17	"	"	6193A-3 (*)																						X	X		
18	"	"	6339A-12																									
19	"	"	6358A-18																									
20	"	"	6353A-21																									
21	"	"	6359A-18																						X	X		
22	"	"	6359A-24																							X		
23	"	"	6379A-0																									
24	"	"	6393A-3																									
25	"	"	6477A-0																						X	X		
26	"	"	6477A-12																						X			
27	"	"	J6487A-24																									
28	"	"	6491A-0																									
29	"	"	6497A-6		X	X	X	X																				
30	"	"	6507A-0																									
31	"	"	6507A-2																									
32	"	"	6511A-9																						X	X		
33	"	"	6521A-6		X	X	X	X																				
34	"	"	J6523A-24																									
35	"	AERO PRODUCTS	A20-156-17																									
36	"	"	A20-156-24W																									
37	"	"	C20-144-18.5																									
38	"	A. G. SMITH	S. P. A. -1-11																									
39	"	"	S. P. A. -1-21																									
40	"	"	S. P. A. -1-45																									
41	"	"	S. P. A. -3																									
42	"	"	S. P. A. -5																									
43	"	LYCOMING	C2721200																									
44	"	"	C2821306																						X	X		
45	"	"	C2871300																									
46	"	CURTISS	8896-18																									
47	"	"	89301-3																									
48	"	"	89305-18																									
49	"	"	89305-24W																									
50	BLADE - PROPELLER																											

REMARKS: LINE NUMBERS IN RED.
(*) (13, 14, 15, 17) THESE BLADES HAVE INTEGRAL MOULDED CHAFING RINGS. IF INSTALLED IN NEW TYPE HUBS WITH LONG INTEGRAL BLADE PACKING LIPS, INTEGRAL CHAFING RING MUST BE REPLACED WITH SPLIT TYPE IN ACCORDANCE WITH T. O. NO. AN03-20CC-1.

