



AERONAUTICAL PARTS & SUPPLIES

Everything for the Airplane Owner, Operator & Manufacturer

CATALOG
M

NICHOLAS-BEAZLEY AIRPLANE CO. INC.

**HOME OFFICE
ENGLISH AT NORTH ST.
MARSHALL, MO.**

**WESTERN BRANCH
6235 SAN FERNANDO ROAD
OPPOSITE GRAND CENTRAL AIRPORT
GLENDALE, CALIF.**

**EASTERN BRANCH
FLOYD BENNETT FIELD
HANGAR NO. 3
BROOKLYN, NEW YORK**

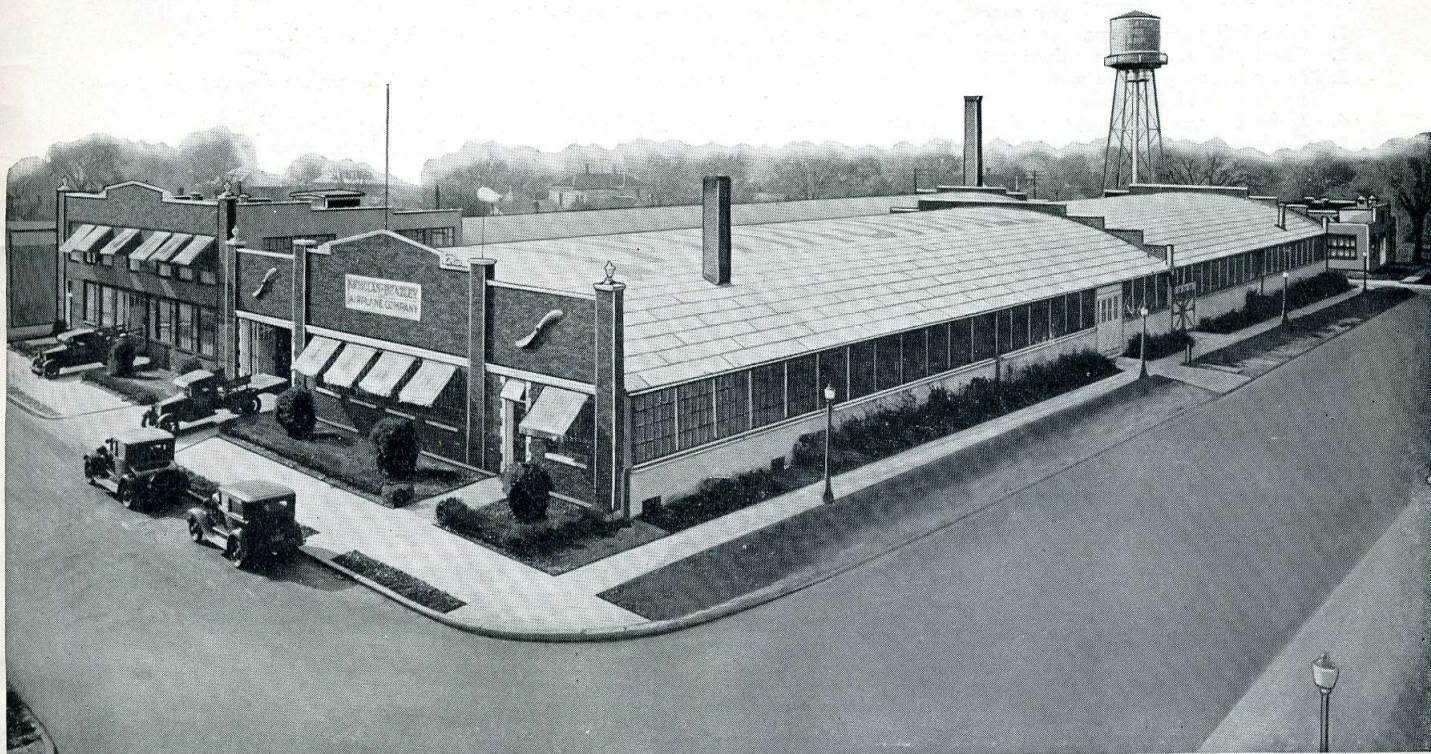
**SOUTHERN BRANCH
LOVE FIELD
DALLAS, TEXAS**

CATALOG M

AIRPLANE MOTORS—PARTS SUPPLIES

Including Complete Parts Lists of Curtiss OX 5,
Curtiss OXX6, Velie, Lambert,
Kinner and Genet Engines

AUTHORIZED WRIGHT ENGINE PARTS DEALERS



The spacious hangar type ENN-BEE factory and warehouse at Marshall, Missouri, occupies nearly one square block, for our complete stock of aeronautical supplies. In addition, we maintain branches in New York, California and Texas, all of which carry complete stocks at all times. The geographical location of these four sources of supply combined with convenient arrangement to expedite filling your orders, enable us to give you same day shipments. Upon this service our large list of completely satisfied customers has been built.

NICHOLAS-BEAZLEY AIRPLANE COMPANY, Inc.

HOME OFFICE - - - MARSHALL, MISSOURI

Phone, 1400

Cable Address: NIBCO MARSHALMO

EASTERN BRANCH

Hangar No. 3, Floyd Bennett Field,

Brooklyn, New York

New York Phone: NIGHtingale 4-2701

Cable Address: NIBPLANE NEWYORK

BENTLEY

CODE

SOUTHERN BRANCH

Love Field, Dallas, Texas

Dallas Phone: 5-4651

WESTERN BRANCH

6235 San Fernando Road, Glendale, California

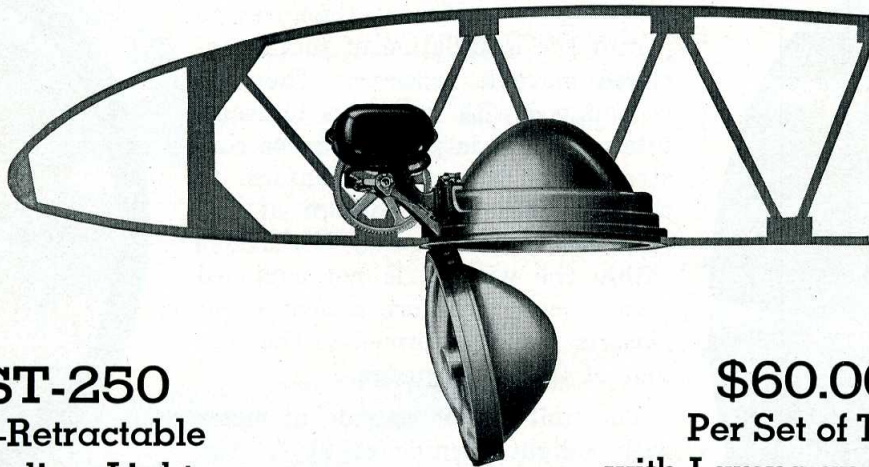
Los Angeles Phone: CApital 8212

Glendale Phone: Douglass 264

Cable Address: NIBDALE GLENDALECALIF



GRIMES LANDING LIGHTS



ST-250
Self-Retractable
Landing Light

Easy Installation
Very Efficient
Reasonably Priced
Interchangeable

\$60.00
Per Set of Two
with Lamps and Switch

Completely Automatic
Will Open at 250 M.P.H.
Light in Weight
Properly Designed

The Grimes Self-Retractable Landing Lights are adaptable to all planes having a wing thickness of 4 inches or more. They are completely automatic; when the switch is turned on the lamps light and emerge from the wing casting two light rays visible for a great distance; when the switch is turned off the lamps become dark and retract into the wing. Emergence of these lights is guaranteed against an air resistance caused by a speed of 250 M.P.H. The only exposed surface is the rim on outside of wing held in place with twelve screws. This surface is nickel plated, resistant to rust and the effects of exposure. The silvered metal reflector is highly polished and encased with lamp in a dirt and dust proof container. No corrosion or deterioration to reflecting surface.

The ST-250 landing light is substantially built throughout and moderately priced.

Installation of the ST-250 landing light in the wing is very easily accomplished either when recovering or as a separate operation. A piece of ¼ inch veneering is required between two ribs. A round eight-inch hole is cut for the rim which holds the light.

Three wires extend from the switch to rear of light; the ground, light and motor wires. These wires are soldered into the terminals for permanency, the terminals being held in place by spring pressure. The three terminal posts are plainly marked ground, light and motor.

Light operation is with a 12-volt, 315 C.P. lamp which draws only 15 amperes and is interchangeable. The lamps are equipped with a ring instead of a shield, which eliminates the necessity of having a right and left hand lamp. The weight per unit is only 3¼ pounds. Wiring and installation drawings accompany each set.

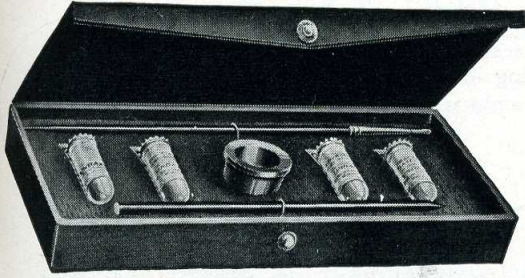
LANDING LIGHT PARTS AND LAMPS

For planes using the Grimes Landing and Position Lights either of the two Exide batteries 6-XT-13-1 or 6-TS-13-1 are recommended for the planes' requirements.

ST-250 Glass Lens (individually packed).....	Each	\$1.50
ST-250 Silvered Reflector (individually packed).....	Each	2.00
ST-250 Gaskets (3 required).....	Each	.05
ST-250 Outside Band (12 holes).....	Each	1.50
ST-250 3-way Switch.	Each	1.50
ST-250 2-gang Switch Plate.....	Each	.50
ST-250 Lamps 315 C.P., 12-16 volt (individually packed).....	Each	4.50

LIGHTING EQUIPMENT

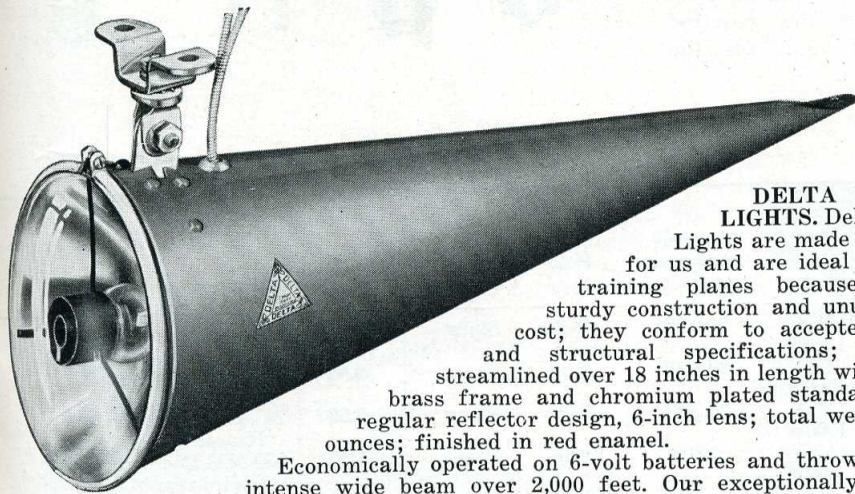
ILLUMINATE YOUR DIALS



This is a handy set for making your own instrument dials luminous. It consists of 1 bottle containing 1/2 gram of Undark Radium Luminous material of 20 microlambert luminosity, which is standard Army-Navy requirement for aeronautical instruments; 1 bottle of practice material, 1 bottle of adhesive, 1 bottle thinner, a mixing cup, a glass mixing rod and a No. 00 brush.

Undark Illuminating Set.....\$5.60

DELTA LANDING LIGHTS

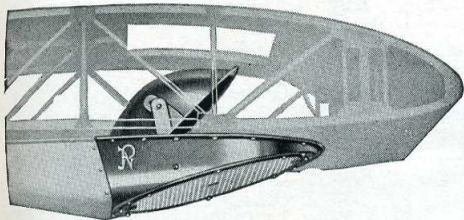


DELTA LANDING LIGHTS. Delta Landing Lights are made exclusively for us and are ideal for use on training planes because of their sturdy construction and unusually low cost; they conform to accepted material and structural specifications; they are streamlined over 18 inches in length with a plated brass frame and chromium plated standard fitting; regular reflector design, 6-inch lens; total weight but 24 ounces; finished in red enamel.

Economically operated on 6-volt batteries and throws a bright, intense wide beam over 2,000 feet. Our exceptionally low price places night flying equipment within reach of every one; you should have your plane equipped with landing lights. Completely equipped with bulbs and fittings all ready to install.

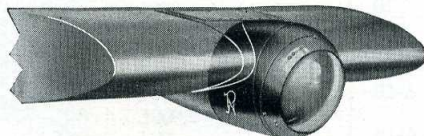
Delta Landing Lights.....per set **\$13.50**
 Lenses, each, 75c; Bulbs, 6-8-v. Mazda No. 1184, each 50c, or 12-16-v. Mazda No. 1196, 50 c.p., each, 70c; U-shaped hanger assembly, each, \$2.00; attaching bracket, each, 15c; diffuser, each, 75c; reflector, each, \$2.50; lens retainer, each, 50c.

PYLE-NATIONAL LANDING LIGHTS are designed on proven aerodynamic, optical and mechanical principles to insure minimum weight and head resistance. Furnished in three sizes with either silver or chromium plated copper reflectors.



TYPE LANR-1250-SR LANDING LIGHTS. Designed to be built into the wings. Has 12-inch prismatic lens and silver plated copper reflector. Adjustable both up and down or to right or left. Used with 12-volt, 20 amp. medium prefocal base type lamp. Complete less bulbs. (Use Mazda A-19.)

Type LANR-1250-SR Light each **\$100.00**



TYPE LAN-605 LANDING LIGHT. The short shell permits installation in the leading edge, giving a very neat appearance. The smooth blend of the shell and wing keeps head resistance to the minimum. Priced less bulb (use Mazda A-19).

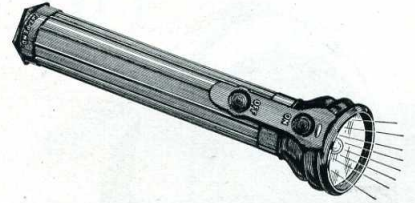
Type LAN-605 Light.....each **\$60.00**



TYPE LAN-600 LANDING LIGHT. 6-inch, reflector arranged for 10-12-volt pre-focused lamp base, complete with streamline body. Less bulbs. (Use Mazda A-19.)

Type LAN-600 Light.....each **\$70.00**

FOCUSING FLASHLIGHT

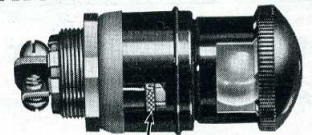


This dependable, efficient focusing flashlight is especially adapted for use in all parts of the aviation industry. Encased in rubber, with unbreakable, non-inflammable lens, it is positively waterproof and dust-proof, and is not affected by climatic conditions. Positive switch of brass and blue steel clock spring. Scientific reflector gives condensed center and broad light. Inner case of treated steel and cadmium plated to resist corrosion. Sturdy and substantial high grade materials used throughout. Carries standard flashlight batteries.



No. 200 Flashlight, 2 cell, less batteries. **\$1.55**
 No. 200 Flashlight, 2 cell, with batteries. **1.75**
 No. 250 Flashlight, 3 cell, less batteries. **1.95**
 No. 250 Flashlight, 3 cell, with batteries. **2.25**
 No. 2 Uni-cel battery..... **.10**

INSTRUMENT BOARD LIGHT



HOOD LOCK

The No. 1948 Dash Lamp is regularly used by Aircraft manufacturers and is U. S. Army Air Corps Number AC-31-193. The switch is operated by turning the hood. Mounts in one 3/4" hole, comes without bulb and is finished dull bronze.

No. 1948 Cockpit Lamp..... **\$1.00**
 (Use Mazda No. 68 bulb.)

IGNITION BATTERY



No. 4F4H Burgess battery contains 16 cells and has a rated voltage of 6 volts. This battery replaces the old type hot-shot and is 40% less in weight. Built in waterproof metal container for rough usage and vibration. Weight 6 lb. 4 oz. Size 5 3/4" x 8 3/4" x 2 7/8".

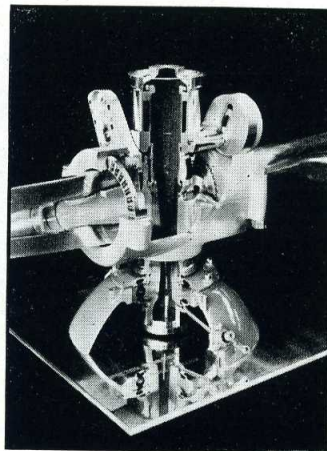
No. 4F4H Ignition Battery..... **\$1.80**



HAMILTON STANDARD

HAMILTON STANDARD PROPELLERS represent the results of years of extensive research and development. The design of these propellers allows the highest aerodynamic efficiency and torque - resisting strength, without excessively increasing the weight.

They are available in two types. In the adjustable type (illustrated below) the pitch of the blades can be changed on the ground. The controllable type allows changing the pitch of the blades in flight by means of the hydraulic method of operation. Engine oil pressure is used to move



the blades into low pitch position. The blades are shifted into high pitch position by means of centrifugal counterweights attached directly to the blade ends when the oil pressure is released. By means of adjustment within the counterweight, the blade angle can be set to any two desired pitches within any arc of from 6 to 10 degrees, depending upon design. A cut-away section of the controllable hub assembly and blade-end is illustrated at the left. These propellers are offered for sale at Brooklyn, Dallas and Marshall.

(Not listed for export shipment.)



PRICES AND DATA ON HAMILTON STANDARD ADJUSTABLE PROPELLERS

ENGINE	Shaft End	No. of Blades	HUB			BLADE					Complete Propeller		
			Design No.	A.T.C. H.P.	A.T.C. R.P.M.	List Price	Design No.	A.T.C. H.P.	A.T.C. R.P.M.	List Price	Max. Prop. Dia.	Prop. Wt., Lbs.	Complete List Price
60-200 H. P.													
American Cirrus.....	.....	2	7020	125	2400	\$ 60.00	25V2	63	2400	\$ 45.00	7'	33	\$150.00
Lambert R-266.....	.....	2	7029	125	2400	60.00	25V2	63	2400	45.00	7'	34	150.00
Warner-Scarab, Jr.....	.....	2	7005	125	2400	60.00	25V2	63	2400	45.00	7'	33	150.00
Warner-Scarab.....	.....	2	7005	125	2400	60.00	19V2	63	2200	70.00	8'4"	42	200.00
Kinner K-5.....	.....	2	7005	125	2400	60.00	19V2	63	2200	70.00	8'4"	42	200.00
Kinner B-5 or R-5.....	No. 1 Taper	2	7056	195	2200	80.00	19B1½	98	2200	85.00	8'6"	63.2	250.00
Warner Super Scarab.....	No. 1 Taper	2	7056	195	2200	80.00	19B1½	98	2200	85.00	8'6"	63.2	250.00
Menasco C-4 or B-6.....	No. 10 Spline	2	7061	195	2200	80.00	19B1½	98	2200	85.00	8'6"	63.2	250.00
Menasco B-4.....	.....	2	5008	125	2500	80.00	19B0	63	2200	85.00	8'6"	50	250.00
201-450 H. P.													
Continental R-670.....	No. 20 Spline	2	5404	250	2200	120.00	5B1	125	2400	120.00	9'	79	360.00
Lycoming R-680.....	No. 20 Spline	2	5404	250	2200	120.00	A3A1	350	2500	140.00	10'	88	400.00
Jacobs L-4.....	No. 20 Spline	2	5404	250	2200	120.00	5B1	125	2400	120.00	9'	79	360.00
Kinner L-5.....	No. 30 Spline	2	5406	500	2500	130.00	A3A1	350	2500	140.00	10'	88	400.00
Wright R-760 and R-975.....	No. 30 Spline	2	5406	500	2500	130.00	5B1	125	2400	120.00	9'	79	370.00
201-450 H. P. Wasp, Jr., Series.....	No. 30 Spline	2	5406	500	2500	130.00	A3A1	350	2500	140.00	10'	88	410.00
Wasp C.....	No. 30 Spline	2	5406	500	2500	130.00	5B1	125	2400	120.00	9'	79	370.00
							A3A1	350	2500	140.00	10'	88	410.00
							A3A1	350	2500	140.00	10'	88	410.00
							A1C1	250	2200	150.00	10'	99.75	430.00
451-600 H. P.													
Wasp "D" D. D.....	No. 30 Spline	2	5903	750	2500	160.00	D7C1½	350	2200	190.00	10'9"	128	540.00
							33C1½	300	2400	160.00	9'0"	98	480.00
Wasp "D" D. D.....	No. 30 Spline	3	5909	750	2500	250.00	41A1½	300	2400	160.00	9'6"	110	480.00
							A3A1	350	2500	140.00	10'	128	480.00
Wasp "H" D. D.....	No. 40 Spline	2	5976	750	2500	160.00	A1C1	250	2200	150.00	10'	153	760.00
							D7C1½	350	2200	190.00	10'9"	128	540.00
Wasp Geared.....	No. 40 Spline	3	5977	1125	2500	275.00	33C1½	300	2400	160.00	9'	98	480.00
							41A1½	300	2400	160.00	9'6"	110	480.00
							D7C1½	350	2200	190.00	10'9"	185.5	845.00
							41A1½	300	2400	160.00	9'6"	158.5	755.00
600 H. P. and Up													
Wright Cyclone D. D.....	No. 40 Spline	2	5978	1000	2500	240.00	17A2	355	2000	190.00	11'	140	620.00
Hornet D. D.....	No. 40 Spline	3	5977	1125	2500	275.00	D7C1½	350	2200	190.00	10'9"	185.5	845.00
Twin Wasp, Jr., Geared 4:3 and 3:2.....	No. 40 Spline	3	5977	1125	2500	275.00	33C1½	300	2400	160.00	9'	140.5	755.00
Wright Cyclone, Geared 16:11.....	No. 50 Spline	3	5985	1500	2500	400.00	41A1½	300	2400	160.00	9'6"	158.5	755.00
Hornet, Geared 3:2.....	No. 50 Spline	3	5985	1500	2500	400.00	43A2	300	1500	350.00	13'	267.5	1450.00
Wright Cyclone, Geared 8:5.....	No. 40 Spline	3	5979	1500	2500	400.00	43A2	300	1500	350.00	13'	267.5	1450.00
Twin Wasp Geared.....	No. 50 Spline	3	5985	1500	2500	400.00	43A2	300	1500	350.00	13'	263	1450.00

Above Prices F.O.B. East Hartford, Conn.—Subject to Change Without Notice.



GENUINE KINNER ENGINE PARTS

AS AUTHORIZED PARTS DEALERS we stock and supply only GENUINE KINNER PARTS. The parts are listed by assembly to help you determine the correct number and price. It covers the K-5, 100 H.P.; B-5, 125 H.P. (front exhaust type), and R-5, 160 H.P. (front exhaust type), Kinner Engines. Parts that regularly require replacing are carried in stock for immediate delivery. All others will be secured promptly. Parts or prices will be supplied for other models on request. Prices are established by the factory and subject to change without notice.

CRANK CASE REAR COVER

Part No.	Description of Part	Number Used			Price Each
		K-5	B-5	R-5	
560	Rear cover assembly	1	1		\$ 75.00
1171	Rear cover assembly			1	107.25
1137	Rear cover oil passage plug			2	.28
1138	Oil relief passage plug			1	.28
1172	Plug, oil thermometer			1	1.10
1173	Gasket, oil thermometer			1	.06
F-89	Starter cover plate	1	1	1	1.93
F-89B	Starter cover plate gasket	1	1	1	.06
253	Starter cover cap screw	4	4	4	.22
1217	Stud, rear cover to case			6	.55
1183	Stud, rear cover to case (for long bosses on cover)			2	.55

CRANK CASE MAIN SECTION

401	Crank case assembly w/studs and bearing	1			330.00
467	Crank case assembly w/studs and bearing		1		357.50
1170	Crank case assembly w/studs and bearing			1	396.00
A-2	Rear main bearing	1	1		4.20
A-2Z	Rear main bearing, .020 OS (O.D.)	1	1		4.20
1119	Rear main bearing			1	7.15
1272	Rear main bearing (copper lead type)			1	21.00
350	Pipe plug, 3/8"	1	1	1	.28
394	Stud, 1/8"x1 1/2"	51	41	41	.30
216	Stud, 1/8"x1 1/4"	1	1	1	.30
508	Stud, 3/8"x1 1/4"	40	40	40	.30
508W	Stud, 3/8"x1 1/4", .005 OS	40	40	40	.30
F-7	Pipe plug, 1/4"	1	1	1	.22
F-48	Bearing lock screw	1	1	1	.06
212	Motor mount stud	10	10	10	.30
212W	Motor mount stud, .005 OS	10	10	10	.30
502	Motor mount stud nuts	10	10	10	.11
279	Stud for Stromberg carburetor	4	4	4	.30
341	3/4" Welch plug	1	1	3	.06
228	Rear cover dowel	2	2	2	.22
F-9	Breather pipe	1		1	3.14
F-12	Breather gasket	1			.09
2135	Breather pipe			1	6.99
2134	Breather gasket			1	.09

CRANK CASE FRONT COVER

400	Front cover assembly	1			39.00
473	Front cover assembly		1		63.00
1156	Front cover assembly			1	107.25
A-1	Front main bearing	1	1	1	6.00
A-1Z	Front main bearing, .020 OS (O.D.)	1	1	1	6.00
1271	Front main bearing (copper lead type)			1	25.50
F-48	Bearing lock screw	1	1	1	.06
395	Stud, 1/8"x1 1/8"	6	6	6	.30
1136	Front cover oil passage plug			1	.28
F-41	Front cover plate	1	1		5.34

CRANK SHAFTS AND PROPELLER HUBS

404	Crank shaft assembly	1			272.25
469	Crank shaft assembly		1		272.25
1120	Crank shaft assembly			1	294.25
G-5	Counter weight screw	6	6		1.71
1127	Counter weight screw			6	1.71
291	Counter weight tubular dowel	4	4		.17
1135	Counter weight tubular dowel			4	.17
331	Counter weight lock pin	6	6	6	.06
385	Counter weight	2			16.50
1153	Counter weight			2	18.50
2170	Propeller hub key dowel	1	1	1	.06
259	Propeller hub key	1	1	1	.55
292	Timing pinion nut	2	2		1.38
382	Timing pinion bolt	1	1	2	2.09
389	Timing pinion washer	1	1	3	.11
355	Crank shaft pin oil plug nut	2	2		1.38
356	Crank shaft pin oil plug stud	1	1		.83
519	Crank shaft plug bolt	1	1		2.09
1151	Crank shaft oil plug			3	.28
1155	Crank pin oil plug bolt			1	.83
1152	Crank pin oil plug			1	.28
336-11	Cotter pin	4	4	3	.01
530	Propeller hub lock nut	1			4.68
531	Propeller hub nut lock	1			.44
547	Propeller nut, puller type	1	1		5.89
F-44	Oil retaining ring	1	1		5.89
A-4	Thrust bearing	1	1		4.62
F-51B	Pinion, timing	1			28.88
237	Crank shaft end-play shim	1			.17
1175	Oil slinger, crank shaft			1	.83
610	Propeller hub assembly			1	41.25

KINNER ENGINE PARTS (Continued)

Part No.	Description of Part	Number Used			Price Each
		K-5	B-5	R-5	
410	Master rod assembly, complete	1			\$126.50
434	Master rod assembly, complete		1	1	171.00
706	Master rod and cap assembly		1	1	181.50
224	Master bearing dowel	1			.22
532	Master bearing dowel		1	1	.22
607	Master rod bearing	1			9.00
607Z	Master rod bearing, .020 OS	1			9.00
749	Master rod bearing		1	1	12.00
1273	Master rod bearing (copper lead type)			1	27.00
370	Master rod nut	4	4	4	1.65
371	Master rod nut	4	4	4	.83
336-21	Master rod nut cotter pin	4	4	4	.01
G-18	Bushing, piston pin	1			.90
527	Bushing, piston pin		1	1	1.05

CONNECTING RODS

411	Connecting rod and bushing assembly	4			19.64
1165	Connecting rod and bushing assembly		4		35.20
1154	Connecting rod			4	35.20
G-18	Piston pin bushing	4			.90
527	Piston pin bushing		4	4	1.05
553	Link rod pin (forced lubrication)	4			2.70
553M	Link rod pin (forced lubrication) .002 OS	4			2.70
553W	Link rod pin (forced lubrication) .007 OS	4			2.70
553X	Link rod pin (forced lubrication) .012 OS	4			2.70
603	Link rod pin (forced lubrication)		4	4	2.85

CYLINDER AND CYLINDER HEAD

819	Cylinder head and barrel assembly, complete	5			177.00
639	Cylinder head and barrel assembly, complete		5		198.00
1159	Cylinder head and barrel assembly, complete			5	242.00
818	Cylinder head assembly, complete	5			132.00
491	Cylinder head assembly, complete		5		150.00
1168	Cylinder head assembly, complete			5	187.00
260	Cylinder barrel	5			48.13
629	Cylinder barrel		5		49.50
1106	Cylinder barrel (4 1/8" bore)			5	55.00
817	Cylinder head assembly	5			75.00
478	Cylinder head assembly		5		75.00
1174	Cylinder head assembly			5	104.50
2269	Lock pin, spark plug bushing	10	10	10	.01
2141	Spark plug bushing	10	10	10	.83
E-14	Valve stem bushing, intake	5			1.20
E-14X	Valve stem bushing, intake, .010 OS	5			1.20
719	Valve stem bushing, intake		5	5	1.65
567	Valve stem bushing, exhaust	5	5	5	1.65
225	3/8" brass plug	5	5	5	.17
233	Valve seat	10	10	10	4.62
233Z	Valve seat, .020 OS	10	10	10	4.62
238	Starter plug	5	5	5	.28
321	Starter plug washer	5	5	5	.03
578	Bushing, rocker arm axle	20			.39
2274	Lock pin bushing, rocker arm	20			.01
2283	3/8" x 1 1/8" stud	80	80	80	.33
395	1/8" x 1 1/8" stud	10	20	15	.30
395W	1/8" x 1 1/8" Stud, .005 OS	10	20	15	.30
2170	Dowel pin	10	10	10	.06
373	3/8" x 3/4" x 1 1/8" stud		20	20	.27
394	1/8" x 1 1/2" stud		5	5	.30
394W	1/8" x 1 1/2" stud, .005 OS		5	5	.30
399	Gasket, cylinder head	5			.30
587	Gasket, cylinder head		5		.30
1110	Gasket, cylinder head (4 7/8" dia. bore)			5	.61

PISTONS, PINS AND RINGS

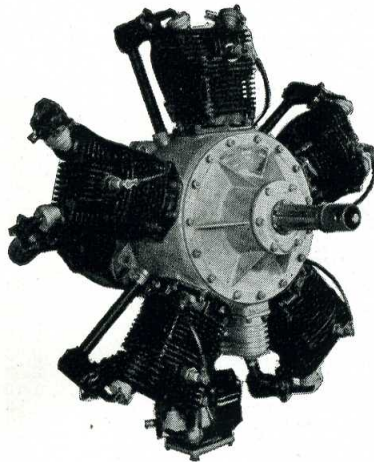
409	Piston assembly	5			12.00
1166	Piston assembly		5		27.23
G-21	Piston	5			7.80
645	Piston		5		15.00
1107	Piston (4 7/8" dia. bore)			5	20.35
482	Piston pin assembly—.875	5			2.70
482M	Piston pin assembly—.877	5			2.70
482Z	Piston pin assembly—.879	5			2.70
449	Piston pin assembly		5		4.20
1111	Piston pin assembly (4 7/8" dia. bore)			5	8.36
590	Piston pin		5		3.00
1112	Piston pin (4 7/8" dia. bore)			5	7.26
524	Piston pin button		10	10	.60
G-20	Piston pin button		10		.60
288	Piston ring, compression	15			.33
591	Piston ring, compression		15		.30
1109	Piston ring, compression (4 7/8" dia. bore)			15	.50
289	Piston ring, oil	5			.44
592	Piston ring, oil		5		.36
1108	Piston ring, oil (4 7/8" dia. bore)			5	.61

INTAKE PIPE

744	Intake pipe	5	5	5	4.24
537	Nut, 1/8"	95	95	95	.06
316-3	Lock washer, 1/8"	80	80	80	.01
240-2	Palnut, 1/8"	15	15	30	.02
795	Cap screw, 1/8"x1 1/4"	10	10	10	.21
740	Flange, intake pipe—upper	5	5	5	1.93
741	Flange, intake pipe—lower	5	5	5	1.93
582	Gasket, intake pipe	5	5	5	.06
387	Washer, 1/8" plain	15	15	15	.01
504	Nut, brass, 1/8"-24	15	15	15	.11
771	Packing, intake pipe	5	5	5	.33



VELIE M-5 AND LAMBERT R-266 PARTS



There are many Velie M-5 and Lambert R-266 parts which are interchangeable. We are listing below all of the Velie M-5 parts, and the items which are interchangeable with the Lambert are starred (*). The parts not starred in the Velie listing are used only on the Velie engines. Following this list of the Velie parts is a listing of the parts which are used only on the Lambert engines.

We stock and supply only genuine factory parts for these engines. It is impractical to stock all parts for both motors, but the ones most frequently replaced are carried in stock for immediate shipment and we can ship the others direct from the factory with the minimum of delay.

ALWAYS GIVE THE MOTOR NUMBER WHEN ORDERING PARTS

CRANK CASE

Number	Description	No. Required	Price Each
M-101A	Crank case assembly with studs, valve lifter guides and bearing sleeve.....	1	\$165.00
*M-105	Crank shaft rear bearing sleeve.....	1	6.30
X-1269B	Crank shaft rear bearing sleeve screw.....	3	.01
M-109	Valve lifter guide.....	10	1.40
M-511	Valve lifter guide lock screw.....	10	.12
M-1003	Cylinder base stud.....	40	.30
M-1003	Crank case cover stud.....	15	.30
M-1004	Gear case stud.....	10	.30
M-1004	Intake tube stud.....	10	.30
M-1004	Carburetor adapter stud.....	4	.30
M-1004	Oil sump stud.....	4	.30

FRONT CRANK CASE COVER

M-102A	Crank case cover assembly with studs and bearing sleeves.....	1	38.50
*M-105	Crank shaft front bearing sleeve.....	1	6.30
*X-1269B	Crank shaft front bearing sleeve screw.....	3	.01
*M-104	Crank shaft thrust bearing sleeve.....	1	5.95
M-1016	Crank shaft thrust cover stud.....	6	.25
*M-146	Crank shaft thrust bearing sleeve gasket.....	1	.06
M-123	Crank case cover gasket.....	1	.12
*M-1012	$\frac{1}{8}$ " 24 S. A. E. plain nut.....	6	.06
*M-1019	$\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ " plain washer.....	15	.01
*X-4553	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	15	.01
*M-605	Crank shaft thrust bearing (S. R. B. 210).....	1	7.70
*M-103	Crank shaft thrust bearing cover.....	1	3.85
*M-146	Crank shaft thrust bearing cover gasket.....	1	.06
*M-1012	$\frac{1}{8}$ " 24 S. A. E. plain nut.....	6	.06
*M-1019	$\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ " plain washer.....	6	.01
*X-4553	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	6	.01

GEAR CASE

M-111A	Gear case, studs and bushings assm.....	1	66.00
M-124	Gear case gasket.....	1	.12
*M-112	Cam shaft and cam drive shaft bushing.....	4	.80
*M-138	Magneto drive shaft bushing.....	4	.50
*X-3127	$\frac{1}{8}$ " pipe plug, headless.....	1	.06
*X-4101A	$\frac{1}{4}$ " flared tube union.....	1	.40
*M-835	$\frac{3}{8}$ " x 45 Deg. flared tube ell.....	1	.06
M-1008	Starter flange plate stud (long).....	3	.30
M-1004	Gear case cover stud.....	4	.30
M-1027	Oil pump stud (after motor No. 269) (before No. 1006).....	2	.30
M-1027	Oil pump stud.....	2	.30
*M-1011	$\frac{1}{4}$ " 28 S. A. E. plain nuts.....	10	.06
*M-1018	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " plain washer.....	10	.01
*X-4552	$\frac{1}{4}$ " x $\frac{3}{8}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	10	.01
M-501A	Cam assembly w/bushing.....	1	16.50
M-502	Cam bushing.....	1	.60
M-503	Cam shaft.....	1	8.00
*M-509	Cam thrust washer.....	1	.70
*M-505	Cam drive shaft gear (20 teeth).....	1	4.00
*X-2305	Cam drive shaft drive gear key.....	1	.06
M-506	Cam drive shaft drive gear nut.....	1	1.40
*M-507	Cam drive shaft drive gear nut taper pin.....	1	.40
M-504	Cam drive shaft (15 tooth gear integral).....	1	6.35
M-513	Cam drive shaft thrust washer.....	1	.50
M-508	Cam drive shaft gear (40 teeth).....	1	5.80
M-510	Cam timing flange.....	1	4.75
M-514	Cam timing flange washer.....	1	.40
M-516	Cam timing flange nut.....	1	.40
M-512	Cam timing flange screw.....	4	.25
*M-137	Magneto drive shaft (16 tooth gear integral).....	2	8.10
*M-141	Magneto drive shaft washer.....	2	.35
*M-143	Magneto drive shaft nut.....	2	.30
*M-131	Magneto drive shaft oil slinger.....	2	.06
*X-2110	$\frac{3}{8}$ " x 1 cotter pin.....	3	.01
X-2305	No. 5 Woodruff key.....	2	.06
M-154	Carburetor adapter.....	1	5.60
M-129	Carburetor adapter gasket.....	1	.06
M-1034	Carburetor stud.....	2	.30

VELIE M-5 PARTS (Continued)

CARBURETOR ADAPTER

Number	Description	No. Required	Price Each
*M-1011	$\frac{1}{4}$ " 28 S. A. E. plain nut.....	4	\$.06
*X-4552	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	4	.01
*M-1018	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " plain washer.....	4	.01

GEAR CASE COVER

M-114A	Gear case cover assembly.....	1	34.65
*M-125	Gear case cover gasket.....	1	.10
M-1016	Starter flange plate stud (short).....	3	.25
M-1031	Breather tube adapter stud.....	2	.30
*M-142	Magneto drive shaft oil retainer.....	2	.12
*M-358	Magneto drive shaft felt washer retainer.....	2	.12
*M-357	Magneto drive shaft felt washer.....	2	.12
*X-1179C	No. 10-24x $\frac{3}{8}$ " rd. hd. machine screws.....	8	.01
*X-4567	$\frac{1}{8}$ " x 3/64x3/64 S. A. E. lock washer.....	8	.01
*M-1048	$\frac{1}{4}$ " x $\frac{3}{4}$ " dowel pin.....	2	.12
*M-115	Starter flange plate.....	1	1.40
*M-127	Starter flange plate gasket.....	1	.06
*M-1012	$\frac{1}{8}$ " 24 S. A. E. plain nut.....	6	.06
*M-1019	$\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ " plain washer.....	12	.01
*X-4553	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	6	.01
M-151	Breather tube adapter.....	1	2.45
*M-1011	$\frac{1}{4}$ " x 28 S. A. E. plain nut.....	2	.06
*M-1018	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " plain washer.....	2	.01
*X-4552	$\frac{1}{4}$ " x $\frac{3}{8}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	2	.01

OIL PUMP

(Engine No. 1 to 268, Inclusive)

M-800	Oil pump assembly.....	1	49.50
M-821	Oil pump gasket.....	1	.06
M-801	Oil return pump body.....	1	8.25
M-802	Oil pump driver gear shaft.....	1	4.30
*M-803	Oil pump gears.....	2	1.45
*M-804	By-pass valve.....	1	.40
*M-805	By-pass valve spring.....	1	.06
*M-806	By-pass adjusting screw.....	1	.45
*M-808	Oil pump plate gasket.....	2	.06
*M-809	Oil pump screw.....	2	.30
*M-810	Oil pump plate.....	1	1.65
*M-811	Oil pressure pump body.....	1	8.25
*M-812	Oil pressure pump gear drive.....	1	1.65
	Oil pump gasket complete, consisting of—M-124-127, M-125-821.....	1 set	.30
*M-814	Oil pump drive gear.....	1	2.75
M-817	Oil pump driven gear shaft.....	1	.95
*M-818	Oil connections.....	2	.60
M-819	Oil connection stud.....	2	.85
*M-820	Oil connection gasket.....	4	.12
M-822	Oil pump driven gear shaft nut.....	1	.12
*M-823	By-pass valve adjusting screw jam nut.....	1	.30
*M-824	By-pass valve adjusting screw washer.....	1	.06
*X-2303	No. 3 Woodruff key.....	2	.06
*X-2539	$\frac{1}{2}$ " ball.....	1	.06
M-117	Tachometer drive sleeve.....	1	.95
*M-122	Tachometer drive sleeve packing.....	2	.06
*M-119	Tachometer drive sleeve nut.....	1	.35
*M-1012	$\frac{1}{8}$ " 24 S. A. E. plain nut.....	2	.06
*M-1019	$\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	2	.01
*M-833	$\frac{3}{8}$ " x 45 deg. flared tube ell.....	1	.40
*X-4103D	$\frac{3}{8}$ " x 90 deg. flared tube ell.....	1	.25

(Engine No. 269 and up)

M-830	Oil pump assembly.....	1	55.00
*M-821	Oil pump gasket.....	1	.06
M-829	Gear case oil pump body.....	1	8.25
M-826	Oil pump driver gear shaft.....	1	4.30
M-827	Oil pump driven gear shaft.....	1	.95
M-807	Oil pump driven gear—small.....	1	1.10
*M-808	Oil pump plate gasket.....	3	.06
*M-831	Crank case oil pump body.....	1	4.40
*M-812	Oil pump gear driver.....	2	1.65
*M-803	Oil pump gear-driven.....	2	1.45
*X-2303	No. 3 Woodruff key.....	3	.06
*M-810	Oil pump plate.....	1	1.65
*M-811	Oil pressure pump body.....	1	8.25
*M-828	Oil pump screw.....	3	.30
M-822	Oil pump driven gear shaft nut.....	1	.12
M-1020	$\frac{3}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " plain washer.....	1	.01
*X-4554	$\frac{3}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	1	.01
*M-818	Oil connection.....	2	.60
*M-820	Oil connection gasket.....	4	.12
*M-819	Oil connection stud-outlet.....	1	.85
*M-832	Oil connection stud-inlet.....	1	.85
M-1035	$\frac{1}{4}$ " Std. brass pipe plug.....	1	.20
*X-2539	$\frac{1}{2}$ " steel ball.....	1	.06
*M-804	By-pass valve.....	1	.40
*M-805	By-pass valve spring.....	1	.06
*M-806	By-pass adjusting screw.....	1	.45
*M-823	By-pass adjusting screw nut.....	1	.30
*M-824	By-pass adjusting screw washer.....	1	.06
M-117	Tachometer drive sleeve.....	1	.95
*M-122	Tachometer drive sleeve packing.....	2	.06
*M-119	Tachometer drive sleeve nut.....	1	.35
*M-1012	$\frac{1}{8}$ " 24 S. A. E. plain nut.....	2	.06
*M-1019	$\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ " plain washer.....	2	.01
*M-814	Oil pump drive gear.....	1	2.75
M-860	Oil line assembly (pump to gear case).....	1	1.00
M-865	Oil line assembly (sump to pump).....	1	1.10

OIL SUMP

M-130	Oil sump.....	1	5.20
M-128	Oil sump gasket.....	1	.06
*M-187	Oil sump drain plug.....	1	.12
*X-4103D	$\frac{3}{8}$ " flared tube ell.....	1	.25
*M-1011	$\frac{1}{4}$ " 28 S. A. E. plain nuts.....	4	.06
*X-4552	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " S. A. E. lock washer.....	4	.01
*M-1018	$\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " plain washer.....	4	.01



**CURTISS OX-5 (Continued)
UPPER CASE—CONTINUED**

Part No.	Part Name	Quantity	Price Each
41731	Cap, Front Main Bearing	1	\$ 1.00
41732	Cap, Center Main Bearing	1	1.00
41733	Cap, Rear Main Bearing	1	1.00
41735	Bearing, Center Main (Lower)	3	.25
41736	Bearing, Rear Main (Lower)	1	.25
41737	Bearing, Front Main (Lower)	1	.25
41740	Key, Front and Rear Main Bearing	2	.05
41741	Key, Center Main Bearing	3	.05
41760	Cap, Rear Main Bearing Assembly	4	1.00
41784	Plate, Bearing Cap	1	.05
41857	Bearing, Front Main (Upper)	1	.25
41858	Bearing, Center Main (Upper)	3	.25
41859	Bearing, Rear Main (Upper)	1	.25

CRANK CASE (LOWER HALF)

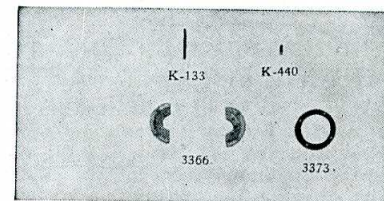
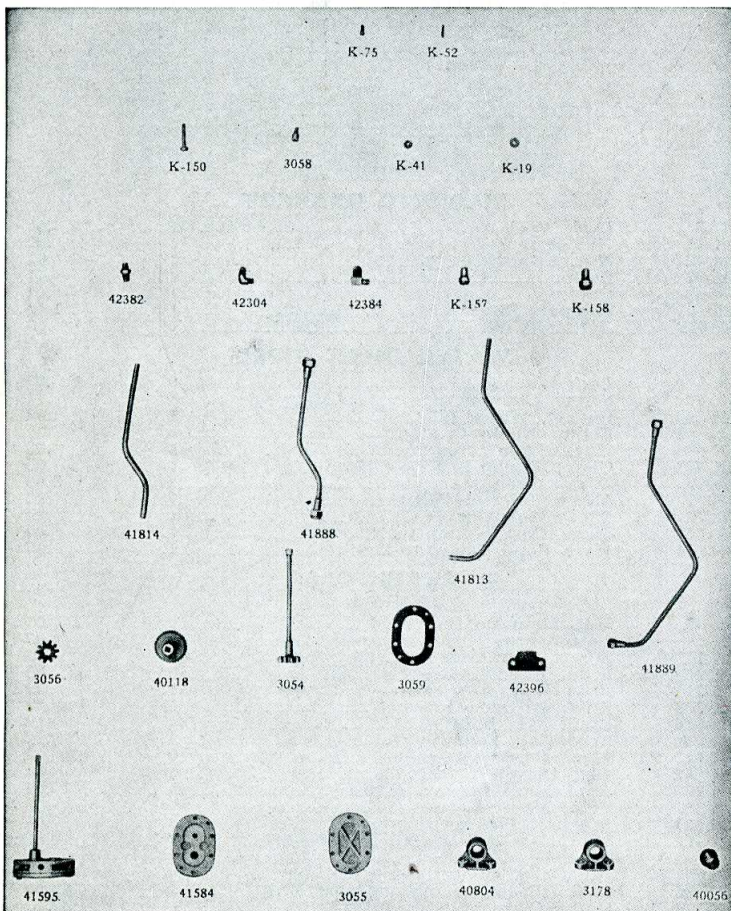
Part No.	Part Name	Quantity	Price Each
K-44	Nut Tappet	3	\$.01
K-52	Cotter, per dozen	8	.01
K-65	Screw	4	.01
K-215	Stud, Attaching	6	.02
K-218	Stud, Carb. Brace (Short)	1	.03
K-255	Screw	1	.05
2853	Collar, Retaining	8	.01
2857	Indicator Hand	1	.10
3045	Baffle Plate	2	.50
3160	Plug, Oil Drain	1	.15
3225	Gasket, Sector	1	.01
41371	Oil Drain Strainer Assembly	1	2.75
41372	Gasket	1	.03
41373	Flange, Oil Drain Strainer	1	.65
41374	Crank Case Assembly (Lower Half)	1	20.00
41375	Oil Drain Screen Assembly	1	2.00
41376	Case, Lower Half	1	10.00
41578	Sector	1	.20
41727	Pan, Oil Drain	1	.15
41839	Oil Float Assembly	1	.50
41840	Float	1	.30
41841	Float Lever	1	.25
42108	Gasket	1	.01
42109	Plug, Crank Case	1	.05
42110	Plug, Thumb	1	.05
42111	Plate, Oil Level	1	.05
42112	Thumb Plug Assembly	1	.10
42456	Nut, Oil Conn.	1	.10
K-382	Screw, Attaching	6	.02
K-424	Stud, Carb. Brace (Long)	2	.08
K-427	Washer, Oil Conn. Nut	1	.03
K-487	Pin, Plug	1	.03
K-517	Pin	1	.03
K-469	Gasket, Plug	1	.01
K-371	Nut	1	.03
K-382	Screw, Attaching	24	.02
OX-88	Casing, Oil Pump Drive Shaft	1	.20

**CURTISS OX-5 (Continued)
OILING SYSTEM**

Part No.	Part Name	Quantity	Price Each
K-19	Lock Washer	2	\$.01
K-41	Lock, Attaching Stud	2	.02
K-52	Cotter	per doz. 2	.01
K-75	Screw Oil Pump Cover	2	.01
K-150	Screws, Oil Pump Attaching	6	.03
K-157	Union Nut	2	.07
K-158	Union Nut	2	.07
3054	Master Gear	1	.90
3055	Cover	1	.30
3056	Idler Gear	1	.25
3058	Stud Idler Gear	1	.10
3059	Gasket	1	.02
3178	Bracket, Oil Drive Shaft	1	1.00
40056	Bushing	1	.20
40118	Pinion Oil Pump Drive	1	.75
40804	Oil Drive Shaft Bearing Assembly	1	1.25
41584	Gear Case	1	1.25
41595	Oil Pump Assembly	1	4.00
41813	Outlet Pipe	1	.25
41814	Inlet Pipe	1	.15
41888	Oil Pump Inlet Pipe Assembly	1	.35
41889	Oil Pump Outlet Pipe Assembly	1	.35
42304	Elbow, Outlet Conn.	1	.10
42383	Nut, Oil Conn. Rear Camshaft Bearing	1	.10
42384	Elbow, Inlet Conn.	1	.10
42396	Shim, Oil Drive Shaft Bracket	1	.03

AIR PRESSURE PUMP AND TACHOMETER DRIVE

Part No.	Part Name	Quantity	Price Each
K-1	Lock Washer	6	\$.00 1/2
2470	Cover, Tachometer Gear Housing	1	.10
2470-A	Screw Type Tachometer Gear Housing	1	.50
3008	Gasket Pump	1	.01
3023	Gear, Tachometer Drive	1	.30
3043	Bushing	1	.15
3064	Gear, Tachometer Driven	1	.50
3084	Gasket, Cover	1	.01
40057	Screw, Shaft Retaining	1	.01
40217	Ring, Piston	2	.15
40218	Connecting Rod	1	.60
40275	Screw, Retaining	1	.02
40279	Coupling, Center Member	1	.45
40282	Piston, Air Pump	1	.50
40364	Tachometer Gear Housing	1	1.25
40439	Gasket, Tachometer Gear Housing	1	.02
40496	Screw	1	.35
40497	Guide, Valve	1	.60
40499	Spring, Relief	1	.05
40500	Valve, Relief	1	.50
40600	Air Pressure Pump Assembly	1	3.50
40621	Shaft, Air Pump Crank	1	.60
40624	Case, Air Pump Clamp	1	1.00
40631	Key, Gear	1	.10
41047	Chamber, Compression	1	.75
41056	Washer, Tachometer Gear	1	.03
41296	Air Pressure Pump Piston Assembly	1	1.25
41317	Check Valve Assembly	1	.75
41318	Check Valve Body	1	.50
41319	Screw, Valve	1	.10
41320	Valve, Check	1	.15
41321	Spring, Valve	1	.05
41991	Tachometer Drive Gear Housing Assembly	1	3.50
42387	Coupling, Pump	1	.60
42709	U. S. Tachometer Drive Assembly, Straight J. M.	1	5.00
42709	U. S. Tachometer Drive Assembly, Angle J. M.	1	6.50
2470-A	Screw Type Tachometer Gear Housing Cover	1	.50
K-23	Nut	1	.01
K-37	Nut	2	.02
K-44	Nut Attaching	2	.01
K-52	Cotter	per doz. 2	.01
K-64	Screw, Cover Retaining	2	.02
K-75	Screw Attaching	6	.01
K-232	Stud, Tachometer Attaching	2	.05
K-264	Gasket	1	.01
K-278	Pin, Piston	1	.10
K-309	Screw	2	.03
K-325	Plug, Pump Case	1	.05
K-338	Screw, Gear Retaining	1	.03
K-365	Screw, Attaching	2	.02
K-464	Gasket	1	.01
O-60	Gear Retaining Screw	1	.01



OIL RETAINING COVER

Part No.	Part Name	Quantity	Price Each
K-133	Felt Packing	2	\$.01
K-440	Screw, Attaching	4	.03
3366	Oil Retaining Cover, Each Half	2	.50
3373	Gasket	1	.01