

TELEDYNE CONTINENTAL MOTORS
ATLANTA, GEORGIA 30336

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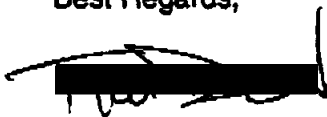
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MESSAGE:

The following pages are excerpts from the latest TCM Service Manual for the D-2000 and D-3000 series magnetos. I have highlighted the items we discussed with an asterisk.

Should you have further questions, please call or fax me at any time.

Best Regards,


Tim Davis
Service Engineer

 **TELEDYNE**
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Aircraft Products
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Service Support Manual

D-3000 SERIES HIGH TENSION IGNITION SYSTEMS

**Includes Magneto and Harness
Maintenance, Overhaul
&
Illustrated Parts List**

D-2000 Series Magneto Information Included

System Support Manual

D-3000 MAGNETO IGNITION SYSTEM

TABLE 1104: D-3000 NUMERICAL PARTS LIST

NOTE: Use of Qty/100 unit column:

(1) Quantity is estimated for overhaul/maintenance of 100 units

(2) Quantities of 100 or more indicate 100% replacement items at each disassembly

(3) Figures less than one are estimated minimum factor to be multiplied by Parts List Quantity X100

Part Number	Description	Fig. & Index No.	Qty. 100 Unit	Part Number	Description	Fig. & Index No.	Qty. 100 Unit
10-3793	WASHER, Lock	1-33	100	10-320468	TERMINAL	2-35	800
10-4093	WASHER, Plain	1-36	5	10-320473	SLEEVE	2-36	50
10-13799	NUT (elastic stop nut)	2-14	.05+	10-320502-1	GROMMET	2-3	.05
10-14268	WASHER, Plain	1-10	10	10-320573-1	ELBOW, 70°	2-40	.05
10-17050	WASHER, Lock	1-5	25	10-320573-2	ELBOW, 90°	2-40	.05
10-32326	SPRING	2-23	.20+	10-320573-3	ELBOW, 110°	2-40	.05
10-35936-6	SCREW	2-19	.05+	10-320573-4	ELBOW, 130°	2-40	.05
10-35936-7	SCREW, W/Lock Washer	1-9	400	10-320582	SLEEVE	2-41	.20
10-35937-20	SCREW, W/Lock Washer	1-18	400	10-320618	NUT	2-38	.05
10-50737	SPRING, Helical	1-29	.25+	10-320621	NUT	2-34	.05
10-50752	WASHER, Felt	1-26	200	10-320658	BRACKET	2-28	.05
10-51324	SPRING, Flat, Spiral	1-41	100	10-320777	GROMMET	2-21	25
10-51354	WASHER, Plain	1-15	10	10-349248	SLINGER, Oil	X 1-49	100
10-51391	PLUG, Solid	1-63	20	10-349249	WASHER, Bowd	1-45	5
10-51643	NUT	1-32	10	10-349328	WASHER, Plain	1-44	5
10-52307	WASHER, Plain	1-36	5	10-349354-2	CAM ASSY, Impulse Cplg.	1-42	25
10-55501	WASHER, Plain	1-3	400	10-349354-3	CAM ASSY, Impulse Cplg.	1-42	25
10-78916	BRACKET	2-2	.05+	10-349357-3	CAM ASSY, Impulse Cplg.	1-42	25
10-78918	BRACKET	2-2	.05+	10-349357-4	CAM ASSY, Impulse Cplg.	1-42	25
10-89027-17	BRACKET	2-2A	.05+	10-349357-6	CAM ASSY, Impulse Cplg.	1-42	25
10-90404-4	NUT	2-20	.05+	10-349357-8	CAM ASSY, Impulse Cplg.	1-42	25
10-90500-8	SCREW, Drive	1-64	10	10-349357-9	CAM ASSY, Impulse Cplg.	1-42	25
10-90751-18	PIN, Cotter	1-7	100	10-349511	WASHER, Flat	1-23	20
10-90788-5	KEY	1-35	20	10-349932-2	DRIVE PLATE	1-37	2
10-91431-8	SCREW	2-15	.05+	10-349932-3	DRIVE PLATE	1-37	2
10-92815-37	RING, Retaining	1-22	200	10-349932-4	DRIVE PLATE	1-37	2
10-92815-62	RING, Retaining	1-43	100	10-349933-9	DRIVE PLATE	1-38	2
10-92879-43	WASHER, Lock	1-2	400	10-353056	BEARING	X 1-50	100
10-94225-2	SPRING	2-26	.05+	10-353059	BEARING	1-50	100
10-116860	WASHER, Plain	1-36	5	10-382543	CAM, Breaker, 4 lobe	1-16	5
10-157134	PLUG, Ventilator	1-59	40	10-382544	CAM, Breaker, 2 lobe	1-16	5
10-157135	PLUG, Solid	1-60	40	10-382568	STRIP	1-57	5
10-160844	BRUSH, Carbon	1-24	200	10-382573	GEAR, Spur	1-52	5
10-163012	EYELET	2-39	800	10-382575	GEAR, Spur	1-52	5
10-163048	BUSHING	1-34	10	10-382585	CONTACT ASSY	1-11	200
10-163178	NUT	1-32	10	10-382588-1	COIL, Magneto	1-58	10
10-163374	STRIP, Felt	1-28	200	10-382618	NUT	1-4	20
10-180157-2	TUBING, Spiral (25 ft/roll)	2-1	4 rolls	10-382622	CONTACT ASSY	1-13	100
10-180209-1	CABLE (100 ft/roll)	2-30	1 roll	10-382642	CONTACT ASSY	1-12	100
10-320163	GROMMET	2-3	.05	10-382681	CAPACITOR	1-6	20
10-320283	CLAMP, Elbow	2-18	.05+	10-382681-1	CAPACITOR	1-6	20
10-320300-2	CLAMP	2-6A	.05+	10-382739	CAM, 4 Lobe, Retard	1-17	5
10-320411	SCREW	2-16	.05+	10-382741	CAM, 2 Lobe, Retard	1-17	5
10-320466	SLEEVE	2-31	.50+	10-382747	BODY, Impulse Cplg.	1-40	5
10-320467	TERMINAL	2-24	800	10-382748	BODY, Impulse Cplg.	1-40	5

System Support Manual

D-3000 MAGNETO IGNITION SYSTEM

TABLE 1104: D-3000 NUMERICAL PARTS LIST (continued)

Part Number	Description	Fig. & Index No.	Qty. 100 Unit	Part Number	Description	Fig. & Index No.	Qty. 100 Unit
10-382749	BODY, Impulse Cplg.	1-40	5	10-620032-3	CLAMP	2-8	.05+
10-382752	COUPLING ASSY, Impulse	1-39	5	10-620032-4	CLAMP	2-8	.05+
10-382753	COUPLING ASSY, Impulse	1-39	5	10-620032-6	CLAMP	2-8	.05+
10-382754	COUPLING ASSY, Impulse	1-39	5	10-620033-1	CLAMP	2-9	.05+
10-382756	COUPLING ASSY, Impulse	1-39	5	10-620033-2	CLAMP	2-9	.05+
10-382758	COUPLING ASSY, Impulse	1-39	5	10-620033-3	CLAMP	2-9	.05+
10-382767	BODY, Impulse Cplg.	1-40	5	10-620034-1	CLAMP	2-10	.05+
10-382768	BODY, Impulse Cplg.	1-40	5	10-620036-1	CLAMP	2-11	.05+
10-382785	STRIP, Connector	1-20	10	10-620036-4	CLAMP	2-11	.05+
10-382787	PLATE, Bearing Retainer	✱ 1-51	100	10-620037-1	CLAMP	2-12	.05+
10-382788	WASHER, Plain	✱ 1-47	400	10-620037-3	CLAMP	2-12	.05+
10-382789	SCREW, Socket Head	✱ 1-46	400	10-620037-4	CLAMP	2-12	.05+
10-382790-1	COIL, Magneto	1-56	10	10-620038-1	CLAMP	2-13	.05+
10-382799-1	MAGNET, Rotating	1-48	5	10-620038-2	CLAMP	2-13	.05+
10-382799-2	MAGNET, Rotating	1-48	5	10-620038-4	CLAMP	2-13	.05+
10-382807	CAPACITOR	1-6	20	10-620039-1	PLATE	2-4	.25+
10-382811	GASKET	1-8	100	10-620039-3	PLATE	2-4	.25+
10-382815	BUSHING, Threaded	1-61	10	10-620039-4	PLATE	2-4	.25+
10-382861	ORIFICE, Threaded	1-62	10	10-620039-5	PLATE	2-4	.25+
10-382871	SCREW	1-1	25	10-620074-1	COVER, 4 Cyl.	2-42	1
10-382881	SCREW	1-1	1.0+	10-620074-2	COVER, 4 Cyl.	2-42	1
10-382931	SPRING, Contoured	1-56	400	10-620074-4	COVER, 4 Cyl.	2-42	1
10-382935	PLATE, Coil Retaining	1-55	50	10-620076-1	COVER, 6 Cyl.	2-42	1
10-382938	SPRING, Helical	1-7	10	10-620076-2	COVER, 6 Cyl.	2-42	1
10-382952	BODY, Impulse Cplg.	1-40	5	10-620076-3	COVER, 6 Cyl.	2-42	1
10-382953	COUPLING ASSY, Impulse	1-39	5	10-620076-4	COVER, 6 Cyl.	2-42	1
10-382959	SCREW, W/Lock Washer	1-14	100	10-620078-2	COVER, 8 Cyl.	2-42	1
10-382961	BODY, Impulse Cplg.	1-40	5	10-620086-2	COVER, 6 Cyl.	2-42	1
10-382962	COUPLING ASSY, Impulse	1-39	5	10-620088-2	COVER, 8 Cyl.	2-42	1
10-382969	BUSHING	1-53	5	10-620091	FERRULE	2-33	.05+
10-382971	BEARING, Roller	1-30	100	10-620109	FERRULE	2-32	800
10-391213	SCREW, W/Lock Washer	1-14	100	10-682000-1	HOUSING	1-66	5
10-400006	PLATE, Identification	1-65	100	10-682000-2	HOUSING	1-66	5
10-400042	SPRING, Flat, Spiral	1-41	100	10-682000-4	HOUSING	1-66	5
10-391309	WASHER, Nylon	1-25	20	10-682001-1	HOUSING	1-66	5
10-620011	FERRULE	2-28	800	10-682014	KIT, Gear Assembly	1-21	20
10-620013	CABLE TIE	2-17	.50+	10-682016	KIT, Gear Assembly	1-21	20
10-620022	FERRULE	2-37	.25+	10-682024	SCREW, W/Lock Washer	1-54	400
10-620024	FERRULE	2-29	.25+	10-682054	BLOCK & BEARING ASSY	1-27	10
10-620026-2	CLAMP	2-5	.05+	10-682056	BLOCK & BEARING ASSY	1-27	10
10-620026-3	CLAMP	2-5	.03+	10-682058	BLOCK & BEARING ASSY	1-27	10
10-620028-1	CLAMP	2-6	.05+	10-685548	WASHER, Plain	1-31	4
10-620028-2	CLAMP	2-6	.05+	10-720631-48	LEAD ASSY, 3/4-20S	2-22	25
10-620028-3	CLAMP	2-6	.05+	10-720631-78	LEAD ASSY, 3/4-20S	2-22	25
10-620028-6	CLAMP	2-6	.05+	10-720632-48	LEAD ASSY, 5/8-24S	2-22	25
10-620029-1	CLAMP	2-7	.05+	10-720633-48	LEAD ASSY, 3/4-20E	2-22	25
10-620029-5	CLAMP	2-7	.05+	10-720633-78	LEAD ASSY, 3/4-20E	2-22	25
10-620029-6	CLAMP	2-7	.05+				
10-620032-1	CLAMP	2-8	.05+				

