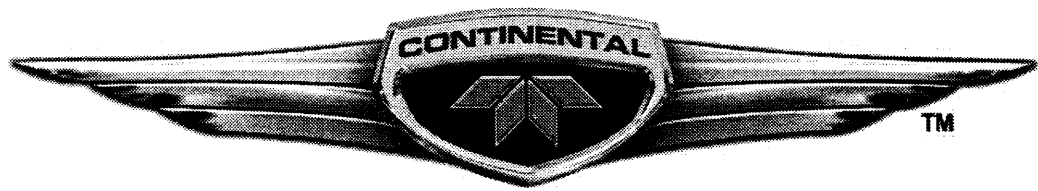
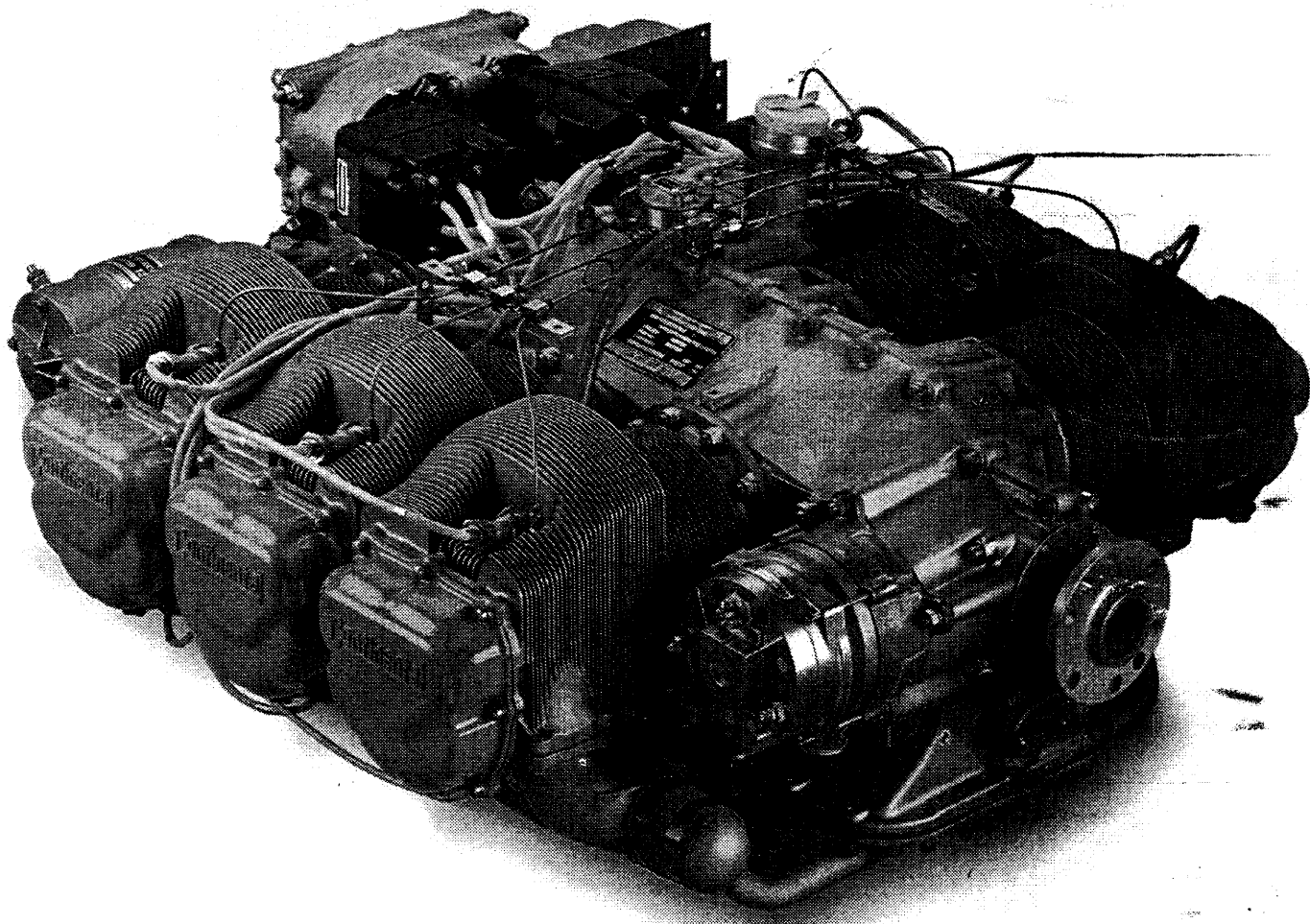


LH
Side.

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 06/18/2007

This engine model I0550C3F , Serial No. 833514 - R was manufactured on 06/18/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Item #	Description	Qty.	Description	Qty.
	*****SERVICE DESCRIPTION*****		FLAMABLE HOSES FOR RIGHT SIDE	1.00
1	ANNUAL INSPECTION		DS PRODUCTS LTD SET OF BARON COOLING BAFFLES	2.00
2	OLD ENGINES REMOVED. INSTALLATION OF OVERHAULED ENGINES BY TELEDYNE CONTINENTAL MOTORS INC. RIGHT ENGINE S/N 833515, LEFT ENGINE S/N 833514 MODEL IO-550-C3F.		J10778-16 ENGINE MOUNT KIT	8.00
3	INSTALLATION OF THE NEW SET OF COOLING BAFFLES PER DS PRODUCTS COMPANY		96-919111 DUCT, AIR INDUCTION MANIFOLD	2.00
4	RIGHT AND LEFT VACUUM PUMP FILTERS NEEDED TO BE REPLACED. REPLACED VACUUM FILTERS.		-58-910011-107 FORMER	1.00
5	INSTALLED JPI 760		_ 111716AX6XX30 DUCT	2.00
6	THROTTLE CONTROLS REPLACED WITH NEW CONTROLS. BOTH RIGHT AND LEFT THROTTLE CONTROLS WERE REPLACED.		BE348-1 DUCT COOL AIR VACUUM PUMP	2.00
7	REMOVED THE BAGGAGE DOOR HANDLE AND DISASSEMBLED. RE-WELDED THE BROKEN DOOR LATCH. REINSTALLED AND CHECKED FOR OPERATION.		115167CXZ060845 DUCT, FUEL METERING BLAST	2.00
8	ADJUSTED THE AUTOPILOT STABILATOR SERVO CABLE TO 12 POUNDS OF TENSION.		96-910010-61 S/N K4538 ENGINE MOUNT	1.00
9	AD 90-08-14 WING SPAR STRUCTURE. INSPECTED. NO VISUAL CRACK FOUND. NEXT DUE IN 500 HOURS.		-96-910010-61 S/N K4589 ENGINE MOUNT	1.00
10	AD 91-15-20 CRACKED ENGINE MOUNTS. OVERHAULED BY KASOLA. NO CRACKS FOUND.		_ AA2J4-7 VACUUM FILTER	2.00
11	AD 2007-08-08 DECREASE THE POSSIBILITY OF GEAR-UP LANDINGS CAUSED BY SEIZURE OF THE UPLOCK ROLLERS. INSPECTED AND LUBRICATED.		EDM-760 JPI 760	1.00
12	AD 76-04-12 BENDIX SWITCHES INSPECTED AND FOUND OK. NEXT DUE IN 100 HOURS.		MS9144-01 GOVERNOR GASKET	2.00
13	AD 96-20-07 PRESSURE DECAY HEATER CHECK EVERY		INTAKE 649959 GASKET	4.00
14	AD 2001-17-13 JANAERO FUEL REGULATOR N/A		533355 GASKET	2.00
	*****OUTSIDE WORK*****		30-8313 GASKET	2.00
1	DOOR LATCH WELDED		ELECTRIC TERMINAL	10.00
2	GOVERNOR OVERHALES BY SULLIVAN PROPELLER		1633-3 PROP SEAL	2.00
	GOVERNOR S/N 248776J MODEL NO. A210800 COMPLETELY OVERHAULED GOVERNOR AND BENCH TESTED FOR OPERATION		82044 PROP - NUT	12.00
	A210 WOODWARD OVERHAUL PARTS KIT		6 FT OF 3/4 HOSE	
	GOVERNOR S/N 2486337J MODEL NO. A210800 COMPLETELY OVERHAULED GOVERNOR AND BENCH TESTED FOR OPERATION		M44 CLAMP	4.00
	A210 WOODWARD OVERHAUL PARTS KIT		M42 CLAMP	4.00
	4060-575 WOODWARD TOP COVER - NEW		4 FT OF 1/4 HOSE	4.00
	*****PARTS*****		12" OF 2 1/4 SCAT HOSE	1.00
	AN7-37M BOLT UPPER ENGINE		ALTERNATOR GASKET	2.00
	96-910023 BOLT LOWER ENGINE		#12 CLAMP	8.00
	50-389012.17 CONTROL ASSY LH TR		MS21919 CLAMP	4.00
	50-38901-19 CONTROL ASSY LH TR		MS21919-8 CLAMP	4.00
	OVERHAULED EXHAUST SYSTEM		MS21919-20	4.00
	FLAMABLE HOSES FOR LEFT SIDE		200241-1 CLAMP	4.00
			AN310 BOLTS	6.00
			AN310C-3 NUT	6.00
			AN4-10 BOLTS	6.00
			AN3C-4 NUT	4.00
			CH48109-1 OIL FILTER	2.00
			60-820018-3	2.00
			105-739 X-L/G-0820	1.00
			MISCELLANEOUS	1.00
			*****GAS-OIL-SOLVENT*****	
			QTS. OIL 50W MINERAL AEROSHELL	24.00

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION
 DATE 08-01-07 TOTAL TIME 0 Hrs
 TACH TIME 3169 Hrs.
 REPAIR STATION # ZRSR378L

Item #	Description	Qty.
*****SERVICE DESCRIPTION*****		
1	RIGHT FUEL BLADDER APPARENTLY WAS LEAKING FROM INBOARD TANK. REMOVED OLD FUEL BLADDER AND INSTALLED NEW FUEL BLADDER.	
2	ON THE RIGHT SIDE BEHIND THE WHEEL WELL THE FUEL DRAIN WAS LEAKING. REMOVED FUEL DRAIN AND INSTALLED NEW FUEL DRAIN.	
3	RIGHT FUEL BLADDER, FUEL QUICK DRAIN WAS LEAKING. REPLACED WITH NEW QUICK DRAIN.	
4	FOUND THE RH FUEL DRAIN DID NOT DRAIN CLEAN THE SYSTEM. CHECK FAILED. TROUBLESHOT AND FOUND THE HOSE WAS PLUGGED. CLEANED AND SERVICED THE SYSTEM.	
5	LEFT WING AILERON TRIM HAD PLAY. REPAIRED BY REMOVING THE HINGE AND REBUSHING THE HINGE.	
6	BOOTS BRACE ASSY ROD HAD DAMAGED BOOT FOR THE LANDING GEAR SYSTEM. INSTALLED NEW BOOT COVERS.	
7	RIGHT PUSH PULL ELEVATOR ROD END WAS FULL OF RUST. REMOVED AND CLEANED. RE-PRIMED ROD ENDS.	
8	REPLACED THE LH MAIN TIRE. BEARINGS LUBRICATED. BEARINGS AND WHEEL INSPECTED.	
9	REMOVED THE NOSE STRUT AND REPLACED THE O-RING BECAUSE IT WAS DETERIORATED AND HAD A HYDRAULIC LEAK.	
10	FOUND THE BUSHING FROM THE NOSE STRUT WERE CORRODED. REPLACED WITH NEW BUSHING.	
11	AIRCRAFT WASHED AND DETAILED. SPINNERS CLEANED	
*****PARTS*****		
	700C-31 ATTITUDE INDICATOR STAND BY	
	5000B37 V.S.I.	
	FUEL TANK P/N 36-920015-2	
	FUEL TANK 2FT-6-40866-14	
	MAIN TIRE P/N 658786-3	
	BOOT COVER FOR LANDING GEAR ROD ASSYMBLY	
	S6250 OIL DRAIN VALVE	
	O-RING KIT FOR NOSE STRUT	
	HYDRAULIC 5606	

Item #	Description	Qty.
*****SERVICE DESCRIPTION*****		
1	REMOVED THE STANDBY ATTITUDE INDICATOR AND REPLACED WITH A NEW ONE BY SIGMETER SUPPLIED FROM MID CONTINENTAL.	
2	REPLACED THE V.S.I. FOR A 0 TO 2000 FOOT INDICATION	
3	ENGINE RIGGED AND ADJUSTED. REPAIRED FRONT COWLING ENGINE BAFFLES.	
4	SENT AIRCRAFT COVER TO BE REPAIRED BY BRUCE'S CUSTOM COVERS.	
5	TWO PROPELLER DYNAMIC BALANCE	
6	DURING AIRPLANE TESTING FOUND A SHORT ON THE RH ENGINE STARTER SYSTEM. FOUND THE SWITCH HAD AN INTERNAL SHORT. REPLACED SWITCH WITH A NEW SWITCH.	
*****PARTS*****		
	700C-31 ATTITUDE INDICATOR STAND BY	
	5000B37 V.S.I.	
	FUEL TANK P/N 36-920015-2	
	FUEL TANK 2FT-6-40866-14	
	MAIN TIRE P/N 658786-3	
	BOOT COVER FOR LANDING GEAR ROD ASSYMBLY	
	S6250 OIL DRAIN VALVE	
	O-RING KIT FOR NOSE STRUT	
	HYDRAULIC 5606	

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Visual INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION
 DATE 08-01-07 TOTAL TIME 0 Hrs.
 TACH TIME 3169 Hrs Hrs.
 REPAIR STATION # ZRSR378L

[Handwritten Signature]

8-30-07 RIGHT ENGINE N4165S
 HOBBS: 3186.2 IO550C3F
 ETT:17.2 S/N 833515-R

Drained Oil and Opened Oil Filter For Inspection. Installed a New CH 48109-1 Filter And Serviced With 12 Quarts Aeroshell 100 Mineral Oil. Run Up and Leak Checks Good.

THE AIRCRAFT, AIRFRAME, ENGINE COMPONENT, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED OR INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND WAS DETERMINED TO BE AIRWORTHY FOR RETURN TO SERVICE. PERMANENT DETAILS ON THE REPAIR ARE ON FILE. AT THIS REPAIR STATION UNDER WORK ORDER NO. 5446 DATED 8/26/07
 AUTHORIZED SIGNATURE *[Signature]*
 INSPECTION CERTIFIED REPAIR STATION J2SR195J
 TELFORD AVIATION SERVICES INC.
 154 MAINE AVENUE
 BANGOR, MAINE 04401 TEL: (207) 990-5555

20 Feb 08 Hobbs 3221.1 Hr Changed oil & filter - Serviced 10 qts oil 15W150 Penshell & oil filter CH-48109-1 Take soap sample for analysis. Cut open & inspected old oil filter. No metal found. Washed & inspected all ground engine for leak and OPS that good

Item#	Description	Item#	Description	Qty.
	*****SERVICE DESCRIPTION*****	26	LEFT ENGINE: PROP DEICE TUBES WERE WEATHER CRACKED AT SMALL HOSE CONNECTORS. REPLACED THE MEDIUM HIGH PRESSURE HOSE.	
1	ANNUAL INSPECTION			
2	COMPRESSION CHECK: RH: 1) 78/80 2) 76/80 3) 78/80 4) 76/80 5) 78/80 6) 78/80 LH: 1) 77/80 2) 78/80 3) 79/80 4) 78/80 5) 76/80 6) 78/80	27	LEFT WHEEL WELL: FLAP SENDING UNIT WAS MISSING AND THERE WERE BROKEN RUBBER BOOTS ON THE WIRE CONNECTORS. REPLACED THE BOOTS.	
3	LOW THRUST DETECTOR WAS INOP. SENT THRUST DETECTOR TO BE CALIBRATED. INSTALLED NEW SENSOR THRUST TUBES FOR LOW THRUST DETECTOR P/N 101-2100-3-45	28	LEFT WHEEL DOWNLOCK CABLE WAS CORRODED. CLEANED AND LUBRICATED THE CABLE.	
4	REPLACED STATIC WICK ON RUDDER. OLD ONE WAS DAMAGED.	29	NOSE WHEEL STEERING LINK (ROD END) WAS BROKEN (LOOSE-BALL). AIRCRAFT PUT ON JACKS. ORDERED A NEW ROD-END AND EXCHANGED THE DAMAGED PART.	
5	LEFT VACUUM PUMP WAS INOP. REPLACED WITH NEW VACUUM PUMP.	30	SHIMMY DAMPENER HAD NO RESISTANCE TO TURNING. REMOVED & SERVICED BY INSTALLING NEW O-RINGS AND HYDRAULIC.	
6	PROP SYNC, PHASE INOP. TROUBLESHOT. APPEARED IT WAS NOT CONNECTED CORRECTLY. DISCONNECTED AND RECONNECTED. AIRCRAFT FLOWN & CHECKED. WORKS OK.	31	CABIN DOOR SEAL WAS IN BAD SHAPE. CARGO DOOR SEAL WAS CRACKED. REPLACED WITH NEW SEALS. THE CABIN DOOR AND CARGO DOOR SEALS WERE BOTH REPLACED. NOTE: NEEDED TO BE CLEANED AND THEN THE SEALS WERE INSTALLED.	
7	GREASE FITTING WAS MISSING ON RIGHT LANDING GEAR. INSTALLED NEW GREASE FITTING.	32	ELT BATTERY WAS OVERDUE. NEW ELT BATTERY EXPIRES OCT 2010. TESTED THE RECEIVER	
8	RIGHT TANK WAS LEAKING WHEN FULL. REPLACED O-RINGS P/N MS28775-338-PACKING. TORQUED THE BOLTS.	33	REMOVED THE FUEL FILTERS AND INSPECTED.	
9	RIGHT COWL FLAP ACTUATOR: INSTALLED NEW BOLT ASSY WITH SAFETY.	34	FOUND A SOLINOID WAS STUCK FOR THE RIGHT ENGINE STARTER. MOTOR TROUBLE. FOUND THE ELECTRIC STARTER HAD DAMAGED THE MOTOR. REPLACED THE SOLINOID P/N 6041H190 AND THE STARTER MOTOR P/N ST-3 STARTER.	
10	EDM OIL TEMP ON LEFT WAS SHOWING HIGH. EXCHANGED PROBE FOR ENGINE LH & RH SIDES.	35	REPLACED THE LEFT STARTER WITH P/N ST-3.	
11	LEFT ENGINE: EXCHANGED CHT #2 AND #4. NOTE: SOMETIMES THEY RUN VERY COLD.	36	AD LIST UPDATE. SEE LIST.	
12	EMERGENCY GEAR COVER WAS LOOSE. CLEANED & INSTALLED NEW VELCRO.	37	AD 84-09-01 EMERGENCY EGRESS PROVISIONS. EMERGENCY WINDOWS.	
14	BEACON LIGHT: ONE BULB LIGHT WAS NOT WORKING. REPLACED.	38	AD 91-15-20 CRACKED ENGINE MOUNTS. ENGINE MOUNTS INSPECTED.	
15	HOSE LINES TO DRAIN THE DEICER FROM THE RIGHT PROPELLER BLADES HAD SOME WEATHER CRACKS. INSTALLED NEW HOSES.	39	AD 91-17-01 ELEVATOR TRIM TAB ACTUATORS. HAVE BEEN MARKED.	
16	RIGHT ENGINE: VACUUM HOSE HAD TWO CLAMPS THAT WERE CRACKED. INSTALLED NEW CLAMPS.	40	AD 95-03-14 ENGINE MOUNT CRACKS. ENGINE MOUNTS HAVE BEEN OVERHAULED.	
17	RIGHT ENGINE: RIGHT MAGNETO CONDENSOR WIRE WAS BROKEN. REPAIRED WIRES.	41	AD 97-14-15 DOOR HANDLE'S LOCK RELEASE BUTTON. INSPECTED AND ARE ON THE CORRECT POSITION.	
18	RIGHT ENGINE: LEFT MAGNETO HAD A BROKEN GROUND WIRE AT THE CONDENSOR. REPAIRED WIRES.	42	AD 98-04-24 SEVERE ICING CONDITIONS. OPERATOR MANUAL.	
19	RIGHT ENGINE: PROP. GOVERNOR CABLE WAS RUBBING ON AFT ENGINE MOUNT BRACKET. INSTALLED STAND-OFF TIE-WRAP ETC.	43	AD 2007-08-08 DECREASE THE POSSIBILITY OF GEAR-UP LANDINGS CAUSED BY SEIZURE OF THE UPLOCK ROLLERS. UPLOCK ROLLERS INSPECTED & LUBRICATION NEXT DUE AT 3382 HOURS.	
20	RIGHT WING FUEL QUICK DRAIN (JUST AFT OF GEAR) WAS LEAKING. REPLACED DRAIN.	44	AD 2007-26-09 TO PREVENT FAILURE OF THE PROPELLER BLADE FROM FATIGUE CRACKS IN THE BLADE SHANK RADIUS. 047534 AND 05-21-04 PROPELLER OVERHAULED.	
21	LEFT AND RIGHT BRAKES WERE AT 50%. REPLACED BRAKE PADS FOR BOTH SIDES. CALIPER PINS CLEANED AND LUBRICATED.	45	INSTALLED NEW SEALS WHERE WINGS ATTACH TO FUSELAGE. INSTALLED SEALS ON THE STABILATORS.	
22	LEFT ENGINE TOP MOUNTS HAD A SMALL GAP. REPAIRED MOUNTS FOR WARRANTY.	46	REPLACED THE SANDEL INTERNAL LIGHT	
23	LEFT ENGINE: HOSE FITTING @ BOTTOM OF OIL COOLER WAS LEAKING. TORQUED THE FITTING.		*****OUTSIDE WORK*****	
24	LEFT ENGINE: BREATHER TUBE CLAMP AT EXHAUST STACK HAD A LOOSE BOLT. TORQUED THE BOLT.	1	101-1000-1 OR 101-2100-3-45 LOW THRUST DETECTOR REPAIRED AND CALIBRATED	
25	LEFT ENGINE: #2 & #4 VALVE COVER GASKETS WERE LEAKING. TIGHTENED THE SCREWS ONLY.		*****PARTS*****	
			C592001-0203 STATIC WICK	1.00
			2J4-7 FILTER	2.00

4	Description	Qty.
	MS28775-338 PACKING	
	CH48109-1 OIL FILTER	
	AAD9-14-S FILTER ELE	
	6800084(M-674) SPARK	
	MS28775-115 PACKING	
	MS28775-012 PACKING	
	33-199-6 GASKET	
	28V40W 2807 LAMP	
	00-30-006 ELT BATTER	
	CCA-1550 QUICK FUEL	
	90122-B LAMP REPLACI	
	GREASE FITTING	
	BRAKE LININGS	
	NOSE WHEEL STEERIN	
	442CW-12 VACUUM PU	
	3016 GREASE FITTING	
	MS15002-1 GREASE FI	
	35-825053 NOSE STEEL	
	6041H190 RELAY	
	90122-B LAMP KIT	
	187 SEAL FOR WING R	
	ST-3 STARTER - 24V	
	6041H190 RELAY	
	PITOT TUBE FOR THE	
	STABILATOR SEALS	
	MISCELLANEOUS	
	*****GA	
	QTS. OIL 15W50 AERO	

