

**SUMMARY OF
FEDERAL AVIATION ADMINISTRATION
SUPPLEMENTAL TYPE CERTIFICATES**

JANUARY 1998

Engine Section
TEXTRON AVCO CORPORATION, LYCOMING DIVISION

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-145, O-235, O-290, O-350, O-360, HO-360-A1A, O-435, GO-435, O-320, O-340, VO-435, VO-360, TO-360, LTO-360, VO-540-B, & C, TVO-540-A1A, O-540 Series; T.C. 199, 210, 233, 227, 228, 229, 274, 277, 279, 295, 1E1, E26EA, 304, 1E14, E-286	SE1-201	Installation of Richter B-4 or B-5 probes in Marvel-Schebler MA-2, MA-3, MA-4, MA-4-5, MA-5, MA-6, HA-9 and Bendix NA-S3B and NA-S3A1 carburetors. Amended 9/20/77.	EA	Richter Aero Equip. Inc. Essex, NY 12936
O-145-A, O-145-B, -C, GO-145, O-233- A1, O-235, O-290, O-320, IO-320, O-340, O-350, IO-360, O-360, HO-360, VO-360, O-435-1, -4, -5, -11, -13, O-435-2, GO-435, -6, -17; GSO-435, -B, -B2; VO-435, -21-23; TVO-435; GO-480; TSO-480 -1, IGSO-480, -2; IO-540, O-540; IGO-540; IGSO-540; VO-540; TVO-540; GSO-580; SO-580, VSO-580; T.C. 199, 210, 229, 274, 1E12, 277, 227, 1E10, 1E1, 228, 276, 279, 1E13, 275, E284, 295, 1E4, 1E11, 1E7, 304, 1E14, 1E15, E-223, 256, 285, E-286	SE44WE	Use of Kling Aviation Oil, Specifications KL-100, KL-200 and KL-300 in Continental and Lycoming engines.	WE	Kling Oil Company 1492 Oddstad Drive Redwood City, CA 94063

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-145A Series, B, C, GO-145, O-233-A1, O-235, O-290, O-320, IO-320, AIO-320, LIO-320, AEIO-320, O-340, O-350, O-360, HO-360, IO-360, HIO-360, AIO-360, LO-360, LIO-360, IVO-360, VO-360, LHIO-360, AEIO-360, O-435, GO-435, Mil-O-435-2-MI, GSO-435B, -B2, VO-435, GO-480, IGO-480, R-530-D1, -D2, O-540, IO-540, IGO-540 Series; <i>T.C. 199, 210, E233, E-229, E-274, 1E12, E-277, 227, 1E10, 1E1, E-228, Group 5E-12, E-276, E-279, E-275, ATC 182, ATC 183, E-295, 1E1, 1E4, E-286</i>	SE1445SO	Use of Aero-Blend oil additive in Avco Lycoming (non- turbocharged) aircraft engines. Amended 7/11/83.	CE	Professional Technology of America, Inc. P.O. Box 11523 Memphis, TN 38111
O-145, GO-145, O-233, O-235, O-290, -320, IO-320, AIO-320, LIO-320, AEIO-320, O-340, O-350, O-360, HO-360, IO-360, HIO- 360, AIO-360, LO-360, LIO-360, LHIO-360, AEIO-360, VO-360, IVO-360, TIO-360, TO-360, LTO-360, O-435, GO-435, GSO-435, VO-435, TVO-435, GO-480, IGO-480, IGSO-480, R-530-D1.R-530-D2, IO-540, O-540, TIO-540, LTIO-540, IGO-540, IGSO-540, IVO-540, VO-540, TVO-540, TIVO-540, TIO-541, TIGO-541, GSO-580, SO-580, VSO-580, R-680, IO-720; <i>T.C. 199, 210, E-229, E-274, 1E12, E-277, 227, 1E10, 1E1, E16EA, E26EA, E-228, Gp. 5E-12, E-276, E-279, 1E13, E-275, ATC 182-183, E-295, 1E11, 1E7, E11EA, E-304, 1E14, E10EA, E19EA, E-256, E-284, E-285, ATC 42, ATC 81, 108, ATC 110-111,</i>	SE5879SW	Use of Phillips X/C II 20W-50 and 25W-60 oil (OSS 55875) in all Avco reciprocating aircraft engines from 65 to 450 BHP. Amended 2/6/86.	SW	Phillips Petroleum Co. Bartlesville, OK 74004

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
172, 173, E-202, 1E4, 1E12, E14EA, E-223, E-286				
O-145-B1, -B2, -B3, -C1, -C2, GO-145-C1, -C2, GO-145-C1, -C2, -C3; T.C. 210,	SE2465CE	Add unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index, per ASTM Specification D-439. Issued 2/22/89.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-145-A1, -A2 T.C. 199	SE2466CE	Add unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index, per ASTM specification D-439. Issued 2/22/89.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-233A1, O-235, O-290 Series, O-320 Series, IO-320, AIO- 320, LIO-320, AEIO-320 Series, IO-320, AIO-320, O-340 Series, O-360, HO-360, LO-360, IO-360, HIO-360, AIO-360, LIO-360 Series, LHIO-360, AEIO-360-Series, IVO-360 Series, TIO-360 Series, TO- 360, TSIO-360, LTSIO-360 Series, LTO-360 Series, O-435, GO-435 Series, GSO-435-B, -B2, VO-435, O-435 Series, TVO-435 Series, GIO- 470-A, O-470 Series, IO-470-A, -C, IO-470 Series, LIO-470-A, FSO-470-A, O-470-2, TSIO-470 Series, IO-520 Series,FSO-426-A, -C, GSO-526-A, GTSIO-520 Series, TSIO-520 Series, GO-480,IGO-480 Series, GSO-480, IGSO- 480, O-540, IO-540, Series, IGO-540 Series, IGSO-540 Series, IVO- 540 Series, LTIO-540, VO-540 Series,TIO-541 Series, TIGO-541 Series, GSO-580 Series, SO-580, VSO-580 Series, TVO-540, TIVO-540 Series, IO-720 Series, A-65 Series, A-75 Series,	SE452NE	Installation and usage of "Mobil AV 1" aviation oil. Amended 5/21/87.	NE	Mobil Research & Development Corp Paulsboro, NJ 08066

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
A-80 Series, A-100 Series, C-75, C-85 Series, C-90, O-200 Series, C-115, C-125 Series, C-145 Series, O-300 Series, E-165, E-185 Series, E-225 Series, GO-300 Series, IO-346-A, -B; <i>T.C. 205, 213, 217, 223, 228, 229, 233, 236, 241, 246, 252, 253, 256, 267, 269, 273, 274, 276, 275, 277, 279, 281, 284, 285, 286, 292, 295, 298, 303, 304, 1E4, 1E12, 277, 1E10, 1E1, E14EA, E3CE, E1CE, E9CE, E2CE, E16EA, E26EA, 1E13, 1E11, 1E7, 1E12, 1E14, 1E15, 3E1, 3E3, E5CE, E7CE, E8CE, E11EA, E9EA, E10EA</i>				
O-233A1, O-235, O-290, O-320, IO-320, LIO-320, AIO-320, AEIO-320, O-340, O-360, HO-360, IO-360, AIO-360, AEIO-360, HIO-360, TO-360, LO-360, LTO-360, LIO-360, LHIO-360, TIO-360, VO-360, IVO-360, VO-435, O-435, IO-540, IVO-540, TIO-540, LTIO-540, TIO-540, TVO-435, VO-540, O-540, TIO-541, TVO-540, T1VO-540 Series, HIO-540, AEIO-540; <i>T.C. E223, E229, E274, E286, 1E12, E277, 1E10, E26EA, 1E1, E279, E228, E11A, E304, E10EA, E14EA, 1E4, 1E13, 1E14, E295</i>	SE80NE	Installation and usage of Bel-Ray synthetic aviation oil, Bel-Ray Aero 1, in Avco normally aspirated (nonsupercharged), horizontally opposed direct drive, aircraft engines of 350 hp. or less. Amended 9/18/84.	NE	Bel-Ray Company, Inc. P.O. Box 526 Bowman Avenue Farmingdale, NJ 07727

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-233-A1, O-235 Series, O-290 Series, O-320 Series, 15W50 oil. IO-320, AIO-320, LIO- 320, AEIO-320 Series, O-340 Series, O-360, HO-360, LO-360, IO-360, HIO-360, AIO-360, LIO-360 Series, LHIO-360, AEIO-360 Series, IO-360, IVO-360 Series, TIO-360 Series, TO-360, LTO-360 Series, O-435, GO-435 Series, GSO-435-B, -B2, VO-435, O-435 Series, TVO-435 Series, GO-480, IGO- 480 Series, GSO-480, IGSO-480 Series, O-540 Series, IO-540 Series, IGO-540 Series, IGSO-540 Series, IVO- 540 Series, VO-540 Series, TIO-540, LTIO-540 Series, TIO-541 Series, TIGO-541 Series, GSO-580 Series, SO-580; VSO-580 Series, IO-720 Series, TVO-540, TIVO-540 Series; <i>T.C. 223, 229, 274, 1E12, 277, 286, 1E10, 1E1, E16EA, E26EA, 228, 276, 279, 1E13, 275, 284, 295, 1E4, 1E11, 1E7, E11EA, 304, E14EA, E10EA, E9EA, 256, 285, 1E15, 1E14</i>	SE8023SW	Installation and usage of AEROSHELL Issued 3/11/91.	SW	Shell Development Co. P.O. Box 1380 Houston, TX 77251
O-235 Series; <i>T.C. E-223</i>	SE2393CE	Installation of B & C Specialty Products. Issued 7/22/88.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
O-235 Series; <i>T.C. E-223</i>	SE5791SW	Installation of any or all engine components parts or modifications on Avco 0-235 series engines. Issued 9/14/84.	SW	Airmotive Engineering Corp. Div. Engine Components 9503 Middlex San Antonio, TX 78217
O-235, O-290; <i>T.C. E-223, E-229</i>	SE5173NM	Installation of a replacement oil cooler adaptor, P/N ADC-310. Issued 7/10/91.	NM	Aviation Development Corp 1305 NW 200th Street Seattle, WA 98177

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-235, O-290, O-320 Series; T.C. 229, 274	SE5CE	Prestolite ALK-5001 alternator.	GL	Larsen Industries 7790 Rawsonville Road Belleville, MI 48111
O-235, O-290, O-320, O-360, O-540; T.C. E-233, E-229, E-274, E-286, E-295	SE208SO	Installation of ice indicator in the carburetor.	SO	Charles B. Shivers, Jr. 8928 Valleybrook Road Birmingham, AL 35206
Series O-235, O-290, O-320, IO-320 (all except LIO-320), IO-360 (except LIO, LHIO), O-360, TIO-360, O-540, IO-540, TIO-541, IO-720; T.C. E-286, E26EA, 1E10, 1E12, E-274, E-233, E-229, E-295, 1E4, E11EA, 1E15	SE00226NY	Replacement of Lycoming starter with SKY-TEC 24-volt starter Models 149-24HT and 122-24HT. Reissued 11/20/96.	NE-NY	Staples Holdings, Ltd. 133 Business Blvd Granbury TX 76049
O-540, IO-540; T.C. E-233, E-229, E-274, 1E12, E-286, 1E10, E-295, 1E4				
Series O-235, O-290, O-320, IO-320, O-360, IO-360, TO-360, GO-435, VO-435, TVO-435, GO-480, GSO-480, O-540, IGO-540, IGSO-540, VO-540, TIO-540, TIVO-540, IVO-540, IO-540, IO-720; T.C. E-223, E-229, E-274, E284, E286, 1E12, 1E4, 1E15, 1E10, E26EA, E-228, E-279, 1E13, E-275, E-295, 1E4, 1E11, 1E7, E-304, 1E14, 1E15, E11EA, E14EA	SE5924SW	Installation of stainless steel replacement exhaust studs on AVCO engines. Issued 4/24/85.	SW	Perrigo & Steele Aircraft Engr. Company 13307 Kiltley San Antonio, TX 78248
Series O-235, O-290, O-320, IO-320 (All models except LIO-320), O-360, IO-360 (All models except LIO, LHIO), O-540, IO-540 (All models except LIO, LHIO) TO-360, TIO-541; T.C. E-233, E-229, E-274, 1E12, E-286, 1E10, E-295, 1E4, E-26EA, E11EA	SE1081NE	Replacement of Lycoming starter with SKY-TEC 12 volt starter Model 149-12HTor 122-12HT. Amended 5/23/96.	NE-NY	Staples Holdings, Ltd. 433 Plainview Hurst, TX 76054

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
Series O-235, O-290, O-320, IO-320 (All models except LIO-320), O-360, IO-360 (All models except LIO, LHIO), O-540, IO-540 (All models except LIO, LHIO), TO-360, TIO-541; <i>T.C. E-233, E-229, E-274, 1E12, E-286, 1E10, E-295, 1E4</i>	SE00218NY	Replacement of Lycoming starter with SKY-TEC 12 volt starter installed. Reissued 1/14/97.	NE-NY	Staples Holdings, Ltd. 433 Plainview Hurst, TX 76054
O-235, O-290, O-360, O-540, IO-320, IO-360, HIO-360, IO-540, TIO-540; <i>T.C. E-223, E-229, E-274, E-286, E-295, 1E12, 1E10, 1E4, E-14EA</i>	SE5743NM	Installation of adapter for externally mounted oil filter. Amended 7/13/95.	NM-S	Aviation Development Corp 1305 NW 200th Street Seattle, WA 98177
O-235, O-290, O-320, O-360, TO-360, IO-360 series (except LIO, LHIO), O-540, IO-540 series (except LIO, LHIO), TIO-541 series, IO-320 series (except LIO-320 series); <i>T.C. E-233, E-229, E-286, E-26EA, 1E10, 1E12, E-274, E-295, 1E4, E11EA</i>	SE00357NY	Replacement of Lycoming starter with SKY-TEC 24-volt starter installed. Reissued 1/14/97.	NE-NY	Staples Holdings, Ltd. 433 Plainview Hurst, TX 76054
O-235-C, -C1, -C1B, -E1, -E1B, -C1C, -C1A, -H2C, -C2A, -C2B, -C2C, -E2A, -E2B; <i>T.C. E-223</i>	SE2035CE	Add the following approved fuel: unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index (RON+MON)/2. Intermixing with aviation gasoline also approved Amended 6/20/86.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-235-C,-E,-F,-G,-H, -J,-K,-L,-M,-N,-P Series; O-290-D Series; O-320-A,B,C,D,E, & H Series, IO-320-A,B,C,D, E, & F Series; LIO-320-B1A, -C1A, AIO-320-A, -B, -C Series; O-340-A1A, -A2A, -A1B, -B1A, -B2A, O-360-A, B, C, D, E, & F Series; LO-360-A & E Series, HO-360-A and -B Series; IO-360-A,B,C,D,E,F, J Series; AIO-360-A & B Series; HIO-360-A,B,C,D, E & F Series; LHIO-360- C1A, C1B, & F1AD; LIO-360-C1E6 & -F1AD; AEIO-360-A,-B,-H Series; TIO-360-A1A, -A1B, -A3B6; TO-360-A,C,E, F Series; LTO-360-A1A6D, -E1A6D, O-540-A,B,D,E,F, G,H,J, & L Series; IO-540- A,B,C,D,E,G,J,K,L,M,N,P, R,S,T,U,V,W, & -AA Series; AEIO-540-D4A5, -D4B5, -D4C5, & -L1B5D; HIO-540- A1A; TIO-540-A,C,E,F,G, H,J,K,N,R,S,& T Series; LTIO-540-F,J,K,&-R Series; TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4; IO-720-A,B,C, & D Series; <i>T.C. E-274, 1E12,E-277, E-286, 1E10, E16EA, E-26EA, E-295, 1E4, E14EA, 1E14, 1E15, E-223, E-229</i>	SE8628SW	Installation of oil nozzles for lubrication of cam and filters. Amended 6/20/95.	SW	Chuck Ney Enterprises 9410 E 46th Street North Tulsa OK 74117
O-235-C1, C1A/B/C, C2A, C2B/C, E1, E1B, E2A/B, F1, F1B, F2A/B, G1, G1B, G2A/B, H2C, J2A/B, K2A/B/C, L2A/C, M; <i>T.C. E-223</i>	SE8707SW	Alteration of Lycoming O-235 engine to allow use of ethanol fuel. Issued 11/3/93.	SW	Dr. Maxwell E. Shauck, Jr. B.U. Box 7440 Waco, TX 76798-7440
O-235-L2C; <i>T.C. E-223</i>	SE2203NM	Installation of high compression pistons. Reissued 3/29/91.	NM-L	John B. Godwin, Jr. DBA Aerotech 2502 John Montgomery Dr San Jose, CA 95148

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-235-L2C; T.C. E-223	SE2364NM	Modification to lower horsepower rating from 118 H.P. at 2800 RPM to 115 H.P. at 2800 RPM for takeoff and 115 H.P. at 2700 RPM to 108 H.P. at 2600 RPM for maximum continuous. Issued 6/13/84.	NM	Snohomish Flying Service 9807 Airport Way Snohomish, WA 98290
O-235-K, L, M, N, P Series; T.C. E-223	SE5945SW	Grind mitrided choked engine cylinders .010" oversize and install .010" oversize pistons and rings. Issued 6/18/85.	SW	Superior Air Parts 15050 Beltwood Pkwy. East Addison, TX 75001
O-235-L2C; T.C. E-223	SE3877NM	Modification of a Lycoming 0-235-L2C engine to increase the HP rating from 115 H.P. @ 2700 RPM to a continuous 125 H.P. @ 2800 RPM. Issued 7/24/87.	NM	Maynard C. Crosby P.O. Box 2361 Everett, WA 98204
O-235-L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C; T.C. E-223	SE2606CE	Add unleaded and leaded automotive gasoline, 91 minimum antiknock index (RON+MON)/2 per ASTM Specification D-439. Amended 8/23/90.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-235-L2C, -K2C; T.C. E223	SE790GL	Replace Lycoming piston number LW-13623 with Lycoming piston number 73851. Amended 4/5/89.	CE-C	EAA Aviation Foundation Wittman Airfield Oshkosh, WI 54903-3065
O-235-L2C, L2A; T.C. E-223	SE792NW	Modification of a Lycoming 0-235-L2C, or 0-235-L2A engine to increase HP rating from 115-HP at 2700 rpm to a continuous 125 HP at 2800 rpm. Amended 2/19/87.	CE-C	Kennis Blackman P.O. Box 8 Snokomish, WA 98290
O-235-C1, -C1A, -C2A, -C2B, -E1, -E2A, -E2B, -F1, -F2A, -F2B, -G1, -G2A, -G2B, -J2A, -J2B, -K2A, -K2B, -L2A, -M1; T.C. E-223	SE888GL	Replacement of Bendix S4LN-20, -21, -1209, or -1227 model magnetos with Slick model 4250. or 4251 magnets. Issued 4/15/85.	CE-C	Slick Aircraft Products 530 Blackhawk Park Ave. Rockford, IL 61108

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
All Series O-290, O-320, IO-320, O-340, O-350, IO-360, LIO-360, TIO-360, TO-360, LTO-360, O-435, GO-435, GSO-435, GO-480, IGO-480, O-540, IGO-540, IGSO-540, O-540-9, TIO-41, TIGO-541, GSO-580, SO-580, T.C. E-229, E-274, 1E12, E-277, E16EA, E26EA, E-228, E-276, E-275, E-295, 1E11, 1E7, E-304, E10EA, E19EA, E-256, E-285, 1E15	SE1779NM	Installation of Precise Flight standby vacuum system (SVS). Amended 12/30/83.	NM	Precise Flight, Inc. 63120 Powell Butte Road Bend, OR 97701
O-290-D Series; T.C. E-229	SA2392CE	Installation of B & C Specialty Products. Issued 7/22/88.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
O-290-A, -AP, -B, (O-290-1), -C, (O-290-3), -CP, D, (O-290-11), -D2, -D2A, -D2B, -D2C; T.C. E-229	SE2036CE	Add the following approved fuel: unleaded automotive gasoline, 87 minimum antiknock index, and leaded automotive gasoline, 88 minimum antiknock index (RON+MON)/2. Intermixing with aviation gasoline also approved. Issued 11/21/84	CE-W	Petersen Aviation, Inc. Route 1, P.O. Box 18 Minden, NE 68959
LIO-210; AIO-320; O-235, O-290, AIO-320, AEIO-320, O-320; IO-320, O-340, O-360, LO-360, HO-360, TO-360, LTO-360, IO-360, AEIO-360, AIO-360, HIO-360, LHIO-360, IO-360, LIO-360, TIO-360, VO-360, IVO-360, O-435, GO-435, GSO-435, VO-435, TVO-435, GO-480, IGO-480, GSO-480, O-480, O-540, IO-540, VO-540, AEIO-540, HIO-540, (T)IO-540, IVO-540, TVO-540, TIO-540, LTIO-540, TVO-540, TIVO-540, IGO-540, IGSO-540, TIO-541, TIGO-541, IO-720; T.C. E-274, 1E12, E-277, E-286, E26EA,	SE8776SW	Installation of coated cylinders and piston rings. Amended 2/6/96.	SW	Engine Components, Inc. 9503 Middlex San Antonio TX 78217

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
<i>1E10, E16EA, 1E1, E-275, E-284, E-295, E-304, 1E4, E11EA, 1E14, E14EA, 1E11, 1E7, E10EA, E19EA, 1E15, E-223, E-229, E-274, E26EA, E-228, E-279, 1E13,</i>				
O-320 Series; <i>T.C. 274</i>	SE2-7	Carburetor air temperature bulb in Marvel-Schebler MA-4-5 carburetor.	GL	Lynn McElroy Westervelt, IL 62574
O-320 Series; <i>T.C. 274</i>	SE508AL	Addition of crankcase relief valve. Reissued 7/9/81.	RM	Univair Aircraft Corp. Route 3, Box 59 Aurora, CO 80011
O-320 Series; <i>T.C. E-274</i>	SE862GL	Replacement of Bendix S4LN-20, -21, -1209, or -1227 model magnetos with Slick model 4250 or 4251 magnetos. Issued 1/14/85.	CE	Slick Aircraft Products 530 Blackhawk Park Ave Rockford, IL 61108
O-320 Series; <i>T.C. E-274</i>	SE1931CE	Add the following approved fuel: unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index, (RON+MON)/2. Amended 11/1/84.	CE	Petersen Aviation, Inc. Route 1, Box 19 Minden, NE 68959
O-320 Series; <i>T.C. E-274</i>	SE2391CE	Installation of B & C Speciality Products. Issued 7/22/88.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
O-320 Series; <i>T.C. E-274</i>	SE3647SW	Engine replacement parts. Reissued 10/25/88.	SW	1st Quality Cylinders 931 W. Laurel Street San Antonio, TX 78201
O-320 or O-320-A1A; <i>T.C. 274</i>	SE2392SW	Conversion to fuel injection configuration equivalent IO-320-E2A. Issued 12/10/76.	SW	Swick Aircraft Corp. Route 3, Box 163B Lewisville, TX 75067
O-320-A, -B Series; <i>T.C. 274</i>	SE4-1638	Installation of one Roto-Master turbocharger, Model 3DT5FF10J2, P/N 600572-00 (formerly Rajay Model 315F10, P/N RJ0080-101, or -102). Reissued 9/22/95.	NM-L	Consolidated Fuel Systems 1400 East South Boulevard Montgomery AL 36116
O-320-A, -C, -E; <i>T.C. E-274</i>	SE800GL	Add the following fuel: unleaded automotive gasoline, 87 minimum antiknock index. Amended 9/16/88.	CE	EAA Aviation Foundation Wittman Airfield Oshkosh, WI 54903-3065

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-320-A2B, -E2A, -D2A, -B2B, -D3G, -E3D; T.C. E-274	SE925GL	Installation of Shadin Co. fuel flow transducer. Issued 9/5/85.	CE	Shadin Company, Inc. Suite 206 6950 Wayzata Blvd. Minneapolis, MN 55426
O-320-A2B, -A2D, -E2A, -E2B, E-2C, -E2D, -E2G, -E3D; T.C. E-274	SE1226CE	Modify engines for a 160 horsepower rating on 100/130 minimum grade fuel. Reissued 10/12/93.	CE-C	John L. Kuranz Route 2, Box 96 Barrington, IL 60010
O-320-E2A; T.C. E-274	SE367CH	Modification of engine by replacing four pistons with four O-320-D2A pistons. Issued 6/23/95.	CE-C	Arthur R. Mattson 11412 Charles Rd. Woodstock IL 60098
O-320-E2C; T.C. E-274	SE336NE	Add the following approved fuel: unleaded automotive gas 87 min. antiknock index. Issued 4/22/85.	NE	Tecnomotion 7 Old Quaker Hill Road Monroe, NY 10950
O-320-E2D; T.C. E274	SE388NE	Installation of Bendix magnetoes Model S4LN-21 and S4LN-20. Issued 11/25/85.	NE	Raymond R. Cloutier 112 Suffolk Street Providence, RI 02908
O-320-E2D; T.C. E274	SE399NE	Installation of autovac-2 instrument vacuum system. Issued 12/11/85.	NE	Raymond W. Ives RFD 1 Box 141A Pomfret Center, CT 06249
O-320-E2D; T.C. E-274	SE3692SW	Increase 5 minute takeoff maximum power rating to 160 horsepower. Issued 11/26/86.	SW	RAM Aircraft Corporation P.O. Box 5219 Waco, TX 76708
O-320-E2G; T.C. E-274	SE682NE	Conversion of Model 0-320-E2G engine to high compression. Amended 11/1/89.	NE	Precision Engine Overhaul Inc. Hammonton Arpt, Box 344B Hammonton, NJ 08037
O-320-H Series, O-360-E Series; T.C. E-274	SE702NE	Modification of crankcase tappet bores to accommodate large tappets. Amended 10/24/90.	NE	Mattituck Airbase, Inc. Airway Drive Mattituck, NY 11952
O-320-A2B, -B2B, -D2A, -D3G, -E2A, -E3D; T.C. E-274	SE732NE	Installation of "Auto-Vac-4" primary vacuum system. Issued 4/10/90.	NE	Raymond W. Ives RFD 1, Box 141A Pomfret Center, CT 06259
O-320-A2B, -A2D, E2A, E2B, E2C, E2D, E2G, E3D; T.C. E-274	SE00252SE	Modification for a 160 hp rating on 100/100LL minimum grade fuel. Issued 11/27/95.	NM-S	Ly-Con Rebuilding Co. 8231 Doe Avenue Visalia CA 93291
O-320-A1A, B, -A2A thru D, -A3A, B, C, -B1A, B, -B2A, B, C, -B3A, B, C, -C1A, -C1B, -C2A, B, C, -C3A, B, C, -D1A thru D, F, -D2A, B, C, F, G, H, J, -D3G, -E1A, B, C, F, J, -E2A thru D, F, G, H, -E3D, H, O-360-A1A, C, D, F, G, H, -A1F6 thru -A1H6, -A1P, -A2A, D thru H, -A3A, D,	SE524CH	Replace Slick 4000, 4100, 4200 and 4300 series magnetos and TCM/Bendix S-20, S-200, and S-1200 series magnetos with the Unison Limited Authority Spark Advance Regulator (LASAR™) ignition systems. Amended 6/17/97.	CE-C	Unison Industries 530 Blackhawk Park Avenue Rockford, IL 61104

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
-A4A, D, G, J, K, M, N, P, -B1A, B, -B2A, B, C, -C1A, C, E, F, G, -C2A thru E, -C4F, P, -D1A, -D2A, B, -F1A6, -G1A6, -J2A, LO-360-A1H6, HO-360-A1A, -B1A, B, IO-360-A1A thru D, -A1B6, -A1D6, -A2A, B, C, -A3B6, -B1A thru F, -B1F6, -B2E, F, -B2F6, -B4A, -C1A, B, C, -C1C6 thru -C1E6, -C1F, -D1A thru -F1A, -L2A, -J1AD, -K2A, -A1E, LIO-360-C1E6, AIO-360-A1A, B, -A2A, B, -B1B, AEIO-360-A1A, B, -A1B6, -A1C, D, E, E6, -A2A, B, C, -B1B, D, F, -B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A, H1B, IO-320-A1A, -A2A, -E1A, -E2A, -E1B, -E2B, -B1A, -B1B, -B1C, -B1D, -B2A, -D1A, -D1B, -C1A, -F1A, AEIO-320-E1A, -E1B, -E2A, -E2B, AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B. <i>T.C. E-274, E-286, 1E10, 1E12</i>				
O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B3A, -B3B, -B3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G; <i>T.C. E-274</i>	SE2587CE	Add unleaded and leaded automotive gasoline, 91 minimum antiknock index per ASTM specification D-439. Amended 11/29/93.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-320-B1A, -B1B, -B2B, -B2C, -B3B, -B3C, -D1A, -D1AD, D2A, D2B, D1C, D2C, D1D, D1F, D1G, D3G, D2J; O-320-B1A, IB2A, B1C, B1D, B1E, C1A, C1B, C1F, D1A, D1AD, D1B; LIO-320-B1A, C1A, AIO-320- A1B, B1B, C1B, AEIO-320-D1B, D2B; O-340-A1A, A1B, A2A; O-360- A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1J, A1LD, A2A, A3A, A3AD, A4A, A4AD, A5AD, A2D, A4D, A2E, A2F, A2G, A4G, A4J, A4JD, A4K, A4M, A4N, C1A, C1C, C2A, C2C, C2D, C1E, C2E, C1F,	SE8193SW	Grind nitriden high compression cylinder barrels to plus .010 oversize and install SL75089 P10 piston, SL74242 P10 compression ring, and SL73857 P10 oil ring.	SW	Superior Air Parts, Inc. P.O. Box 363 Addison, TX 75001

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
C1G, F1A6, G1A6; HO-360-A1A, B1A, B1B; LO-360-A1G6D, A1H6; IO-360-B1A, B1B, B1BD, B1D, B1E, B1F, B2E, B2F, B2F6, B4A; HIO-360- B1A; AEIO-360-B1B, B1F, B2F, B4A, B1G6, H1A; IVO-360-A1A, VO-360-A1A, A1B, B1A; O-540-A1A, A1A5, A4A5, A1B5, A4B5, A1C5, A4C5, A1D, A1D5, A4D5, A2B, A3D5, E4A5, E1A, E4B65, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1B5D, H2B5D, L3C5D; IO-540- C1B5, C4B5, C4B5D, C1C5, C4C5, C4D5D, C2C, D4A5, D4B5, D4C5, J4A5, R1A5, N1A5, N1A5D, T4A5, T4B5D, T4C5D, V4A5D; AEIO-540- D4A5, D4B5, TIO-540-G1A; <i>T.C. E-274, 1E12, E-277, E-286, 1E10, 1E1, E-295, 1E4, E14EA</i>				
O-320-A1A, O-320-A2B; <i>T.C. E-274</i>	SE4634NM	Installation of oil filter adapter fabricated. Issued 10/15/90.	NM	Univ of Alaska Fairbanks Airframe & Powerplant Dept 3750 Geist Road Fairbanks, AK 99709
O-320-E3D; <i>T.C. E-274</i>	SE8987SW	Modify engine IAW RAM Aircraft Corp Drawing No. 1724. Issued 10/27/94.	SW	RAM Aircraft Corp P O Box 5219 Waco, TX 76708
O-320, IO-320, O-360, HIO-360, LIO-360, IO-360, O-540, IO-540, LTIO-540, TIO-540; <i>T.C. E-223, E-274, E-286, E-284, 1E4, 1E12, 1E10, E14EA, E-295</i>	SE244NE	Installation of Mattituck plasma flame sprayed cylinder barrels in Avco reciprocating engines. Amended 12/10/84.	NE	Mattituck Airbase, Inc. Airway Drive Mattituck, NY 11952

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IO-320 Series, AIO-320 Series, AEIO-320 Series; T.C. 1E12	SE2452CE	Installation of B&C Specialty Products lightweight (10.2 pounds) engine starter PN BC315-100-1 (12 volt) or PN BC315-100-3 (24 volt) on engines with ring gears having 122 teeth and PN BC315-100-2 (12 volt) or PN BC315-100-4 (24 volt) on engines with ring gears having 149 teeth. Issued 1/27/89.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
IO-320-A1A, -B1A, -B1B, -C1A; LIO-320-B1A, -C1A; T.C. 1E12	SE14WE	Installation of one Rajay Turbo-charger P/N RJ 0325, RJ 0326, RJ 0326-1 or RJ 0326-2. Reissued 9/22/95.	NM-L	Consolidated Fuel Systems 1400 East South Boulevard Montgomery AL 36116
IO-320-E2A, IO-320-E2B, IO-320-E1A, IO-320-31B; T.C. 1E12	SE7CE	Modification of oil sump in accordance with Champion Drawing No. 7-1312F. Reissued 5/30/89.	CE-C	American Champion Aircraft 32032 Washington Ave, Highway D Rochester, WI 53167
IO-320-B1A, -B1C, -B1B, -B2A, -C1A, -D1A, -D1B, -E1A, -E2A, -F1A, AIO-320-A1B, -A2B, -B1B, -C1B, AEIO-320-E1A, -E2A; T.C. 1E12	SE859GL	Replacement of Bendix S4LN-20, -21, -1209, or -1227 model magnetos with Slick Model 4250 or 4251 magnetos. Issued 6/13/85.	CE	Slick Aircraft Products 530 Blackhawk Park Ave Rockford, IL 61108
Series: O-360, HO-360; T.C. E-286	SE2390CE	Installation of B & C Speciality Products. Issued 7/22/88.	CE-W	William C. Bainbridge,III P.O. Box B Newton, KS 67114-0894
O-360-A1A, -A1D; T.C. E-286	SE154SO	Installation of one Rajay Turbo-supercharger Model RJ 0325, RJ 0326, RJ -326-1 or RJ 0326-2. Amended 10/23/87.	NM-L	Roto-Master, a Unit of Allied Signal, Inc. 7101 Fair Avenue North Hollywood, CA 91605
O-360-A1A, -A1C, -A1D, -A1AD, -A1F, -A1F6, -A1LD, -A2A, -A2D, -A2E, -A2F, -A1G, -A1G6, -A1G6D, -A2G, -A1H, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B1A, -B1B, -B2A, -B2B, -C1A, -C1C, -C1E, -C2A, -C2B, -C2C, -C2D, -C2E, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, HO-360-A1A, -B1A, -B1B, LO-360-A1G6D, -E1AD, -E1A6D, -E2AD, -E2BD, -E2BD, F1A6; T.C. E-286	SE370NE	Installation of "Auto-Vac 2" auxiliary vacuum system. Amended 8/15/90.	NE	Raymond Ives RFD 1, Box 141A Pomfret Center, CT 06259

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-360-A4A, -A4M, -A1A, -A3A; T.C. E-286	SE927GL	Installation of a Shadin Co. fuel flow transducer. Issued 8/8/85.	CE-C	Shadin Company, Inc. Suite 206 6950 Wayzata Blvd. Minneapolis, MN 55426
O-360-A1A, -A1F, -A1F6, -A1G, -A1G6, -A1H, -A2A, -A2F, -A2G, -A2H, -A3A, -A4A, -A4G, -A4J, -B1A, -B2A, -C1A, -C2A, -C2B, -D1A, -D2A; T.C. E-286	SE1017GL	Installation of Slick magneto Models 4250 and 4251, with Slick ignition harnesses. Issued 5/13/86.	CE-C	Slick Aircraft Products 530 Blackhawk Park Ave. Rockford, IL 61108
O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, A1H6, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2E, -C4F, -F1A6, -G1A6; T.C. E-286	SE2563CE	Add leaded and unleaded gasoline, 91 minimum antiknock index (RON+MON)/2 per ASTM Specification D-439. Amended 11/29/93.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-360-A1A; T.C. E-286	SE2887SW	Install Bendix PS-5C carburetor. Issued 12/14/78.	SW	Swick Aircraft Route 3, Box 163B Lewisville, TX 75067
O-360-A3A, A4A, A4M; T.C. E-286	SE738NE	Installation of "Auto-Vac-4" primary vacuum system. Issued 4/10/90.	NE	Raymond W. Ives RFD 1, Box 141A Pomfret Center, CT 06259
O-360-B1A, -B1B, -B2A, -B2B, -D1A, -D2A, -D2B; T.C. E-286	SE2574CE	Add unleaded automotive gasoline 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index (RON+MON)/2 per ASTM Specification D-439. Issued 1/19/90.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-360-C1A; T.C. E-286	SE3701NM	Installation of modified Avco VO-360 cylinders. Issued 4/29/87.	NM	Alan C. Strickfaden 29623 Stonecrest Road Ranch Palos Verdes, CA 90274
O-360-C1A (S/N 5632-36); T.C. E-286	SE00687CH	Modify by removing oil sump and vertical carburetor and installing a Facet model HA-6 carburetor (P/N 10-5045) and Lycoming oil sump (P/N 77159). Issued 6/6/97.	CE-C	Roger F Macy 5300 River Hills Circle N Brainerd MN 56401

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-360-F1A6; <i>T.C. E-286</i>	SE5870SW	Installation of turbosupercharger. Reissued 4/30/90.	NM-D	Flitecraft Turbo P.O. Box 1750 Pagosa Springs, CO 81147
HO-360; <i>T.C. E-286</i>	SE30WE	Conversion to Lycoming HIO-360-B1B engines.	WE	Pacific Airmotive Corp. 3411 Tulare Avenue Burbank, CA 91502
HIO-360-E1AD, -E1BD; <i>T.C. 1E10</i>	SE100GL	Installation of Rajay 301E10-2, P/N RJ0328, or 3BT5EE10J2, P/N 10357400, turbocharger. Amended 5/2/81.	GL	Enstrom Helicopter Corp. P.O. Box 277 Menominee, MI 49858
HIO-360-F1AD; <i>T.C. 1E10</i>	SE484GL	Installation of Rajay Model 325E10-2, P/N RJ0332, or Model 3BT5EE10J2, P/N 103574-00 turbocharger. Amended 5/22/81.	GL	The Enstrom Heli. Corp. P.O. Box 277 Menominee, MI 49858
IO-360 Series; <i>T.C. 1E10</i>	SE7508SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later, FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Corp. Route 1, Box 468 New Braunfels, TX 78130
IO-360 Series, GO-435 Series; <i>T.C. 1E10, E-228</i>	SE7661SW	Installation of parts listed on Airmotive Drawing No. 8810-3. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
IO-360-A1A, A1B, A1C, A2A, A2B, A2C, B1A, B1B, B1C, B1D, B1E, B1F, B2E, B2F, B4A, C1E6, C1A, C1B, C1C, D1A, E1A, AIO-360-A1A, A1B, A2A, A2B, B1B, LIO-360-C1E6; <i>T.C. 1E10</i>	SE32WE	Installation of turbo charger P/N 600573-00 (formerly RJ 0326, RJ 0326-1), 600576-00 (formerly RJ 0326-2) and 600577000 (formerly RJ 0329). Reissued 9/22/95.	NM-L	Consolidated Fuel Systems 1400 East South Boulevard Montgomery AL 36116
IO-360-A1D6D, IO-360-A3D6D; <i>T.C. 1E10</i>	SE90WE	Installation of Turbochargers Model 3AT6EE10J2 on Lycoming engine models listed. Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116
IO-360-A1B6, IO-360-A1B6D <i>T.C. 1E10</i>	SE4082NM	Installation of turbocharger. Issued 7/16/90.	NM-D	FliteCraft Turbo P.O. Box 1750, Stevens Field Pagosa Springs, CO 81147
IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6D, -B1B, -B1C, -B1D, -B1E, -B1F, -B2F6, -B2E, -B2F, -B4A; <i>T.C. 1E10</i>	SE459GL	Incorporation of a fuel flow transducer. Issued 6/10/82.	GL	Shadin Company, Inc. 6950 Wayzata Blvd., Suite 221 Minneapolis, MN 55426

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IO-360-A1B6, -A1B6D, -B1E, -C1C, -C1C6; <i>T.C. 1E10</i>	SE474NE	Installation of "Auto-Vac-2" auxiliary vacuum system. Amended 4/4/88.	NE	Raymond W. Ives RFD 1, Box 141A Pomfret Center, CT 06259
IO-360-A1B, -A1B6, -A1D6, -A2B, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -F1A, AIO-360-A1B, -A2B, -B1B, AEIO-360-A1B, -A2B, -A1B6, -A1E, -B1F, -B2F, -B1F6, -B2F6, -B4A; <i>T.C. 1E10</i>	SE916GL	Replacement of Bendix S4LN-20, -21, -1209, or -1227 model magnetos with Slick model 4250 or 4251.	CE	Slick Aircraft Products 530 Blackhawk Park Ave. Rockford, IL 61108
Series: IO-360, HIO-360, AIO-360, AEIO-360; <i>T.C. 1E10</i>	SE2389SE	Installation of B & C Specialty Products. Issued 7/22/88.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
IO-360-A3B6D, IO-360-A1B6D, IO-360-A1B6; <i>T.C. 1E10</i>	SE2741NM	Installation of high compression pistons, connecting rods, bearings and associated hardware. Amended 6/22/93.	NM	Firewall Forward, Inc. 5212 Cessna Drive Loveland, CO 80538
IO-360-A1B6D, IO-360-A3B6D; <i>T.C. 1E10</i>	SE4757NM	Installation of Rotomaster turbo- charger No. 600573-00, scavenge pump, diaphragm fuel pump, fuel injectors, fixed wastegate, and an ACD intercooler. Reissued 11/9/90.	NM	Aircraft Design, Inc. E 6614 Trent Avenue P.O. Box 11955 Spokane, WA 99121
IO-360-A1B6D; <i>T.C. 1E10</i>	SE5898SW	Installation of turbosupercharger. Reissued 4/30/90.	NM-D	Flitecraft Turbo P.O. Box 1750 Pagosa Springs, CO 81147
IO-360-B1E, -C1C, -C1C6; <i>T.C. 1E10</i>	SE739NE	Installation of "Auto-Vac-4" primary vacuum system. Issued 4/10/90.	NE	Raymond W. Ives RFD 1, Box 141A Pomfret Center, CT 06259
IO-360-C1F; <i>T.C. 1E10</i>	SE2261SO	Installation of IO-360-C1C fuel nozzles, injector fuel lines and adjust fuel pressure. Issued 2/22/88.	CE-A	Gator Aerial Enterprises 3000 21st St., N.W. Winter Haven, FL 33880
TIO-360 Series; <i>T.C. E16EA</i>	SE7501SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130
TIO-360 Series; <i>T.C. E16EA</i>	SE7663SW	Installation of parts listed on Airmotive Drawing No. 8810-3. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
TO-360 Series; <i>T.C. E-26EA</i>	SE7500SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88 or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130
TO-360 Series; <i>T.C. E-26EA</i>	SE7662SW	Installation of parts listed on Airmotive List 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
TO-360-C1A6D, -F1A6D, IO-540-AA1A5, TIO-360-A1B, -A3B6, C1A6D, TIO-540-AA1A5, -A1A, -A1B, A2A, A2B, -A2C, -F2BD, -J2B, -J2BD, N2BD, R2AD, U2A, V2AD, LTIO-540-F2BD, -J2B, -J2BD, N2BD, R2AD, U2A, V2AD; TIGO-541-D1B, TIGO-541-E1A, TIO-541-A1A, E1A4, -E1B4, E1C4, E1D4; <i>T.C. E16EA, E26EA, E14EA, E10EA, 1E4, E19EA</i>	SE7674SW	Grind nitrided cylinder barrels plus .010 over size pistons, to .010 and install SL10545P10 SL74241P10 compression rings and SL73857P10 Oil Control rings. Amended 10/25/93.	SW	Superior Air Parts, Inc. P.O. Box 363 Addison, TX 75001
IO-360-A1A, -A1B, -A1B6, A1B6D, A1C, -A1C6, -A1D, -A1D6, A2A, A2B, A2C, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, D1A, C1F, J1A6D, K2A, A3B6D; A1O-360- A1A, A1B, B1B, AEIO-360-A1A, A1B, -A1B6, A1D, A1E, A2B; LIO-360-C1E, C1E6, C1E6D; HIO- 360-A1A, -C1A, -C1B; LHIO-360-C1A; GO-480-C1B6, C1D6, C2 SERIES, G2D6, G2F6, G1A6, G1AG (HELIO), G1B6, G1D6 (HELIO), G1D6, G1E6, G1F6, G1G6, G1J6; IGO-480-A1B6 (HELIO); IO-540-M1A5, E1B5, A1A5, G1A5, G1C5, G1D5, G1E5, K1A5, K1B5, K1D5, K1F5, L1A5, B1A5, B1C5, E1A5, E1B5, G1F5, K1C5, K1E5, P1A5, S1A5, K1A5D, K1F5D, K1G5, K1G5D, K1K5,	SE7582SW	Grinding of high compression NITRIDEN cylinders to .010 oversize, as an alternative to chrome plating or rebarreling, and the installation of SL10207 P10 piston, SL74241 P10 top and second compression ring, and SL73857 P10 oil control ring. Issued 4/11/89.	SW	Superior Air Parts, Inc. P.O. Box 363 Addison, TX 75001

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
K1J5, K1J5D, K1K5, L1A5D; HIO-540-A1A; AEIO-540-L1B5D; IO-540-M1A5D, M1B5, M1B5D, U1A5D, U1B5D; K1E5D, S1A5; IGO-540- A1A, A1C, B1A, B1C; VO-540-C1A, C1B, C1C3, C2A, C2C; IVO-540-A1A; IO-720-A1A, D1B, A1B, B1B, C1B, D1B, B1BD, D1C, D1CD; T.C. 1E10, E-275, 1E4, E-11, E-304, E-11EA, 1E15				
IO-360-A1A, -A1B, -A1C, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6, B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -D1A, -E1A, -F1A, -L2A, -J1AD, -K2A, LIO-360-C1E6, AIO-360-A1A, -A1B, -A2A, -A2B, -B1B, AEIO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A, O-360-A1A, -A1C, -A1D, -A1F, -A1F6, -A1G, -A1G6, -A1H, -A1H6, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3D, -A4A, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4F, -C4P, -D1A, -D2A, -D2B, -F1A6, -G1A6, LO-360-A1H6, HO-360-A1A, -B1A, -B1B, O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H; T.C. 1E10, E-286, E-274	SE524CH	Replace Slick 4000, 4100, 4200, and 4300 series magnetos and TCM/Bendix S-20, S-200, and S-1200 series magnetos with the Unison Limited Authority Spark Advance Regulator (LASAR™) ignition systems. Amended 1/24/97	CE-C	Unison Industries 530 Blackhawk Park Avenue Rockford, IL 61104

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
GO-435 Series; T.C. E-228	SE7507SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130
GO-435-C2, -C2A, -C2B, -C2B1, C2B6; T.C. 228	SE579SO	Installation of Bendix magneto models S6LN-20 and S6LN-21. Reissued 8/12/92.	SO	Mack's Aaft Engine Svc P.O. Box 336 Wetumpka, AL 36092
O-435, 0-435-A-C (O-435-1), O-435-C1, (O-435-11), O-435-C2, (O-435-13); T.C. E-228	SE2278CE	Add the following approved fuel: unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index, (RON+MON)/2. Intermixing with aviation gasoline also approved. Issued 9/17/87.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
VO-435 Series; T.C. 279	SE2-856	American Bosch Induction vibrator VJR24B56X.	SW	Bell Helicopter Corp. P.O. Box 482 Fort Worth, TX 76101
VO-435 Series; T.C. E-279	SE7504SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130
VO-435 Series; T.C. E-279	SE7665SW	Installation of parts listed on Airmotive List No. 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
VO-435-A1E, -A1F; T.C. E-279	SE959EA	Modification to higher compression ratio. Reissued 3/16/76.	EA	Agrotors, INC. Box 578 Gettysburg, PA 17325
VO-435-A1E, VO-435-A1F; T.C. E-279	SE2500SW	Modification to higher compression ratio. Reissued 7/27/87.	SW	Gifton McCreary P.O. Box 157686 Irving, TX 75015
VO-435-A1E, -A1F; T.C. 279	SE2733SW	Modification to higher compression ratio. Issued 3/21/78.	SW	Continental Copters, Inc. P.O. Box 13284 Fort Worth, TX 76118
VO-435-A1F; T.C. E-279	SE144GL	Modify engine to increase compression ratio to 8.7:1. Amended 2/17/77.	GL	Lake Line Helicopters Inc 13601 Pioneer Trail Eden Prairie, MN 55343
GO-435 Series, GO-480 Series; T.C. E228, E-275	SE914NW	Installation of a propeller governor adapter with a combination adapter/valve to provide propeller reversing control. Amended 11/23/90.	NW	Simuflight, Seattle 17641 SE 295th St Kent, WA 98042

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
GO-480 Series; T.C. E-275	SE7505SW	Installation of any or all parts listed on Airmotive Engineering Drawing List NO. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130
GO-480 Series; T.C. E-275	SE7666SW	Installation of parts listed on Airmotive List 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
IGSO-480-A1A6, -A1B6, -A1E6; T.C. E-284	SE1188GL	Installation of a Shadin Company fuel flow transducer. Issued 6/10/87.	CE-C	Shadin Company, Inc. 6950 Wayzata Blvd. Minneapolis, MN 55426
GSO-480 Series; T.C. E-284	SE7490SW	Installation of any or all parts listed on Airmotive Engineering Drawing No. 852-1, Rev. 1, dated 10/4/88 or later approved revision. Issued 10/7/88.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
GSO-480 Series; T.C. E-284	SE7660SW	Installation of parts listed on Drawing List No. 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
GO-480-C1B6, -G1B6, -G1D6; T.C. 275	SE124SO	Installation of two Roto-Master turbochargers, Model 3DT5FF10J2, P/N 600572-00 (formerly Rajay Model 315F10, P/N RJ0080-102). Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116
GO-480-D1A; T.C. 275	SE135SO	Two Rajay turbochargers 315A10. Reissued 10/30/87.	WP	Roto-Masters, Inc. 7101 Fair Avenue N. Hollywood, CA 91605
GO-480-B1B, -C266, F4B6, -F6, -F3B6; T.C. E-275	SE580SO	Installation of Bendix magneto models S6LN-20 and S6LN-21. Reissued 8/22/92.	SO	Mack's Acft Engine Svc. P.O. Box 336 Watumpka, AL 36092
GO-480-F2D6; T.C. E-275	SE18WE	Installation of AiResearch T-1112 turbosupercharger. Reissued 4/27/70.	WE	Western Commander, Inc. 16300 Daily Drive Van Nuys, CA 91406
GO-480-G1D6; T.C. E-275	SE00911AT	Installation of a S6LN-204 magneto. Issued 11/22/95.	CE-A	JAARS, Inc. Box 248 Waxhaw, NC 28173
O-540 Series; T.C. 295	SE17WE	Turbosupercharger 406330.	WE	AiResearch Avn Svc Co. 6201 W. Imperial Hwy Los Angeles, CA 90045
O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D5, -A3D5, B1A5, B1B5, D1A5, E4A5, E4B5, E4C5; T.C. E-295	SE40WE	Installation of two Roto-Master turbochargers, Models 3DT5FF10J2, P/N 600572-00 (formerly Rajay Model 315F10, P/N RJ0080-100, -101, or -102). Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116
O-540 Series; T.C. E-295	SE2388CE	Installation of B & C Speciality Products. Issued 7/22/88.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -D1A5, -B1B5, -B2B5, -B4B5, -E4A5, -L3C5D, -J3C5D; T.C. E-295	SE318NE	Installation of "auto-vac-2" auxiliary instrument vacuum system. Amended 3/31/87.	NE	Raymond W. Ives RFD 1 Box 141A Pomfret, CT 06259
O-540-A1A, -A1A5, -A1B5, -A1C5, -B1B5, -B2B5, -B4B5, -E4A5, -A1D5, -J3C5D, -L3C5D, -EAB5, -J3A5D; T.C. E-295	SE922GL	Installation of a Shadin Company fuel flow transducer. Amended 7/14/87.	CE	Shadin Company, Inc. 6950 Wayzata Blvd. Minneapolis, MN 55426
O-540-A1A; T.C. E-295	SE00337NY	Installation of "second wind" auxiliary vacuum system carburetor adapter assembly. Amended 8/10/95.	NE-NY	Flight Life, Inc. 5 Lynbrook Lane Doylestown PA 18901
O-540-B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5; T.C. E-295	SE956GL	Add approved fuel: unleaded automotive gasoline, 87 minimum antiknock index. Amended 9/16/88.	CE	EAA Aviation Wittman Airfield Oshkosh, WI 54903-3065
O-540-B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5; T.C. E-295	SE1909CE	Operation on unleaded and leaded automotive gasoline. Issued 11/18/83.	CE	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
O-540-B1B5, -B2B5, -B4B5, -J3A5D;	SE741NE	Installation of "Auto-Vac-4" primary vacuum system. Issued 4/10/90.	NE	Raymond W. Ives RFD 1, Box 141A Pomfret Center, CT 06259
O-540-B2B5, O-540-B2C5; T.C. E-295	SE1433GL	Convert Lycoming engine models to an O-540-B2B5-C-A1D5 or O-540-B2C5-C-A1D5 rated at 250 HP at 2630 rpm maximum. Reissued 7/3/96.	CE-C	Howard Kron P.O. Box 526 Montevideo, MN 56265
O-540-E4A5; T.C. E-295	SE3360NM	Installation of a vacuum pump on the hydraulic pump pad. Issued 4/15/86.	NM	Ron & John's Comanche Svc 360 N.W. 107th Portland, OR 97229
O-540-J1A5D, O-540-J3A5D, O-540-J3C5D; T.C. E-295	SE02051AK	Grind nitrided high compression cylinder barrels to plus 0.010 overside and install P10 piston, P10 compression rings, and P10 oil rings. Issued 5/2/96.	CE-AK	B.J. Custom Aircraft Cylinders P O Box 3269 Palmer AK 99645
IGSO-540 Series; T.C. 1E7	SE7502SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Route 1, Box 468 New Braunfels, TX 78130

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IGSO-540 Series; T.C. IE7	SE7669SW	Installation of parts listed on Airmotive List 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D5; T.C. E-295	SE3552NM	Modification of crankshaft damper configuration. Issued 12/10/86.	NM	Johnston Acft Svc. Inc. P.O. Box 1457 Tulare, CA 93275
IGSO-540-A1A, -A1D; T.C. IE7	SE442GL	Incorporation of a fuel flow transducer. Issued 9/15/80.	GL	Shadin Company, Inc. Suite 206 6950 Wayzata Boulevard Minneapolis, MN 55426
O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -D1A5, -E4A5, -G1A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D; T.C. E-286	SE2653CE	Add leaded and unleaded automotive gasoline, 91 minimum antiknock index (RON+MON)/2 per ASTM Specification D-439. Issued 8/31/90.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
TIO-540 Series; T.C. E14EA	SE7503SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
TIO-540 Series; TC. E14EA	SE7668SW	Installation of parts listed on Drawing List 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
TIO-540-A1A, -A2A, -A1B, -A2B, -A1C, -C1A, -A2C, AB1AD, -F2BD, -J2BD, -S1AD, LTIO-540-F2BD,-J2BD; T.C. E14EA	SE445GL	Incorporation of a fuel flow transducer. Amended 12/16/88.	CE-C	Shadin Company, Inc. 14280 N. 23rd Avenue Plymouth, MN 55447-4910
TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AE2A; T.C. E14EA	SE2667CE	Installation of B&C Specialty Products lightweight (10.2 pounds) engine starter PN BC315-100-2 (12 volt) or PN BC315-100-4 (24 volt). Amended 12/20/93.	CE-W	William C. Baimbridge III P.O. Box B Newton, KS 67114-0894
LTIO-540-J2BD, TIO-540-J2BD; T.C. E14EA	SE978NW	Installation of an AiResearch T18A21 turbocharger and Machen intercooler. Issued 7/16/80.	NW	Machen, Inc. S. 3608 Davison Blvd. Spokane, WA 99204

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
LTIO-, TIO-540- J2BD, F2BD, A1 and A2; T.C. E14EA	SE3177NM	Installation of Machin, Inc. intercooler & associated systems. Reissued 9/27/85.	NM	American Aviation, Inc. S. 3608 Davison Blvd. Spokane, WA 99204
LTIO-, TIO-540- J2BD, (MA) modified in accord, with STC SE978NM; T.C. E14EA	SE3762NM	Installation of modified oil filter adapter. Issued 2/16/88.	NM	Enhance, Inc. 1270 Bryn Maur Dr. Yuba City, CA 95991
IO-540; T.C. 1E4	SE21WE	Turbosupercharger 406610-2.	WE	AiResearch Aviation Svc. 6201 W. Imperial Highway Los Angeles, CA 90045
IO-540 Series; T.C. 1E4	SE22WE	Turbosupercharger 406610-2.	WE	AiResearch Aviation Svc. 6201 W. Imperial Highway Los Angeles, CA 90045
IO-540 Series; T.C. 1E4	SE7509SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FAA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
IO-540 Series; T.C. 1E4	SE7667SW	Installation of parts listed on Drawing List No. 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
Series IO-540, HIO-540, AEIO-540; T.C. 1E4	SE2387CE	Installation of B & C Speciality Products lightweight (10.2 pounds) engine starter P/N BC 315-100-1 (12 volt) or P/N BC 315-100-3 (24 volt). Amended 1/27/89.	CE-W	William C. Bainbridge III P.O. Box B Newton, KS 67114-0894
IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, E1A5, E1B5, G1A5, G1B5, G1D5, G1E5, J4A5, K1A5, K1B5, L1A5, M1A5, P1A5, K1C5, K1F5, S1A5, K1E5; T.C. 1E4	SE6WE	Installation of two Roto-Master turbochargers, Model 3DT5FF10J2, P/N 600572-00 (formerly Rajay Model 315F10, P/N RJ0080-100, -102). Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116
IO-540-A1A5, B1A5, B1B5, B1C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, P1A5, G1F5, S1A5; T.C. 1E4	SE60WE	Installation of two turbo- chargers P/N RJ 0327-1 or -2 and 9 lb. +- 1 sonic nozzle. Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IO-540-S1A5; T.C. 1E4	SE81WE	Installation of two Rajay turbochargers, Model 325EF80, P/N 0330-1 and -2, and 9 lb. +- 1 lb. sonic nozzle on Lycoming engine Model IO-540-S1A5. Reissued 4/11/78.	CE-A	Aerostar Aircraft Corporation. S. 3608 Division Blvd Spokane, WA 99204
IO-540-J4A5, -C4B5, -C1B5, -C1C5, -C2C, -C4C5, -C4D5D, -W1A5D, -W3A5D, -AA1A5; T.C. 1E4	SE835NE	Installation of a Flowscan Model 201B9 transducer. Reissued 5/10/95.	NE-NY	GEBE Instruments Corp Hangar 3 East Hampton Arpt Wainscott, NY 11975-1038
IO-540-AA1A5; T.C. 1E4-12	SE4157NM	Installation of modified turbochargers, controller, wastegate actuator and link, scavenge pump and manifold pressure relief valves. Amended 5/8/90.	NM	Merlyn Products, Inc. West 7500 Park Drive Spokane, WA 99204-5726
IO-540-A1A5; T.C. 1E4	SE201SO	Modification of engine oil dip stick to provide 10.5 quart usable oil capacity in lieu of 9.25 quart capacity.	SW	Riley Int'l Corp. 6211 W. Northwest Hiway Dallas, TX 75225
IO-540-A1D5; T.C. 1E4	SE5869SW	Install turbosupercharger. Reissued 4/30/90.	NM-D	Flitecraft Turbo P.O.Box 1750 Pagosa Springs, CO 81147
IO-540-D4A5, -D4B5, -D4C5, -N1A5; T.C. 1E4	SE319NE	Installation of "auto-vac 2" backup instrument vacuum system. Amended 4/29/85.	NE	Raymond Ives Box 41A Pomfret Center, CT 06259
IO-540-C1B5, -C4B5, -J4A5, -D4A5, -G1B5, -G1C5, -N1A5, -G1D5, -K1A5, -R1A5, -C4DSD, -K1A5D, -K1G5, -K1G5D; T.C. 1E4	SE611GL	Incorporation of a fuel flow transducer. Amended 12/18/90.	CE-C	Shadin Company, Inc. 14280 N. 23rd Avenue Plymouth, MN 55477
IO-540-K1G5D; T.C. 1E4	SE85WE	Installation of two Roto-Master turbochargers Model 3DT5FF10J2, P/N RJ 0080-102 on Lycoming engine. Amended 5/24/83.	WE	Roto-Master, Inc. 7101 Fair Avenue N. Hollywood, CA 91605
IO-540-S1A5, IO-540-AA1A5; T.C. 1E4	SE1657NM	Installation of Rotomaster 3AU2ME60H3 (or H2) and 3AV2ME60H3 (or H2), turbochargers, optional intercooler and associated systems. Amended 3/18/88.	NM	Machen, Inc. S. 3608 Davison Blvd. Spokane, WA 99204
IO-540-D4A5, -N1A5, -R1A5; T.C. 1E4	SE3361NM	Installation of a vacuum pump on the hydraulic pump pad. Issued 4/15/86.	NM	Ron & John's Comanche Svc. 360 N.W. 107th Portland, OR 97229
IO-540-C1B5; T.C. 1E4	SE3553NM	Modification of crankshaft damper. Issued 12/10/86.	NM	Johnston Aircraft Service P.O. Box 1457 Tulare, CA 93275

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IO-540-P1A5, S1A5, AA1A5; T.C. 1E4	SE3590NM	Installation of Machen intercooler and associated systems. Amended 4/19/88.	NM	Machen, Inc. S. 3608 Davison Blvd. Spokane, WA 99204
IO-540-R1A5; T.C. 1E4	SE3873NM	Installation of two AiResearch induction air intercoolers. Reissued 4/27/95.	NM-S	LI'l Red Aero, Inc. Route 1, Box 120 Municipal Airport Kearney NE 68857
IO-540-S1A5; T.C. 1E4	SE4941NM	Install low-compression pistons, new fuel servo and new fuel pump. Issued 5/30/90.	NM	Merlyn Products West 7500 Park Drive Spokane, WA 99204-5726
IO-540-W1A5D; T.C. 1E4	SE02050AK	Grind nitrided high compression cylinder barrels to plus 0.010 oversize and install P10 piston, P10 compression rings, and P10 oil rings. Issued 5/2/96.	CE-AK	B.J. Custom Aircraft Cylinders P O Box 3269 Palmer AK 99645
TIO-540-V2AD; T.C. E11EA	SE2569NM	Relocation of turbocharger, intercooler, fuel control unit, and upper engine mounts plus associated changes. Reissued 10/30/91.	NM-L	Javelin Conversions, Inc. Atkinson Airport, Airport Ave Admin Bldg, 2nd Floor RR 1, Box 402 Pittsburg, KS 66762
TIGO-541-E Series; T.C. E19EA	SE3800NM	Installation of American Aviation intercooler and associated systems. Issued 3/13/87.	NM	American Aviation, Inc. S. 3608 Davison Blvd. Spokane, WA 99204
TIO-541-E1A4, -E1C4, & E1B4; T.C. E10EA	SE3350NM	Installation of American Aviation intercooler and associated systems. Amended 12/2/86.	NM	American Aviation, Inc. S. 3608 Davison Blvd. Spokane, WA 99204
TIGO-541-E1A; T.C. E19EA	SE765GL	Installation of a fuel flow transducer. Issued 5/8/84.	CE	Shadin Company, Inc. 6950 Wayzata Blvd. Suite 221 Minneapolis, MN 55426
R-680; T.C. 42	SE2412CE	Add the following approved fuel: unleaded automotive gas, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-B2, -BA, -2; T.C. 81	SE2413CE	Add the following approved fuel: unleaded automotive gas, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
R-680-6, -B6; T.C. 111	SE2409CE	Add the following approved fuel: unleaded automotive gas, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-D5; T.C. 172	SE2410CE	Add the following approved fuel: unleaded automotive gas, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-D6; T.C. 173	SE2411CE	Add the follingw approved fuel: unleaded automotive gas, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-D6 (89-2000); T.C. 173	SA291SW	Revised cover plates.	SW	Aircraft Parts 6037 Cameron Boulevard New Orleans, LA 64822
R-680E3, E3A, E3B, (R-680-9, -13); T.C. E-202	SE2407CE	Add the following approved fuel: unleaded automotive gas, 91 minimum antiknock index and leaded automotive gas, 91 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680E1, E2; T.C. E-202	SE2408CE	Add the following approved fuel: unleaded automotive gas, 91 minimum antiknock index and leaded automotive gas, 91 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-4, -B4, -B4B, -B4C, -B4D, -B4E, (R-680-5, -7, -8, -11, -17); T.C. 108	SE2414CE	Add the following approved fuel: unleaded automotive gasoline 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959
R-680-5, -B5; T.C. 110	SE2415CE	Add the following approved fuel: Unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gas, 88 minimum antiknock index, (RON+MON)/2. Issued 10/7/88.	CE-W	Petersen Aviation, Inc. Route 1, Box 18 Minden, NE 68959

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
IO-720 Series; T.C. 1E15	SE7506SW	Installation of any or all parts listed on Airmotive Engineering Drawing List No. 852-1, Rev. 1, dated 10/4/88, or later FFA approved revision. Issued 10/24/88.	SW	Airmotive Engineering Corporation Route 1, Box 468 New Braunfels, TX 78130
IO-720 Series; T.C. 1E15	SE7670SW	Installation of parts listed on Drawing List No. 8810-3, Rev 6. Issued 11/3/89.	SW	Airmotive Engineering Corp Route 1, Box 468 New Braunfels, TX 78130
IO-720-A1A, -A1B; T.C. 1E15	SE51WE	Installation of two (2) Roto-Master (Rayjay) P/N 600573-00 (RJ0326, RJ0326-1) or 600576-00 (RJ0326-2) (or any combination thereof) turbochargers on Avco Lycoming Model IO-720-A1A and IO-720-A1B engines. Reissued 9/22/95.	NM-L	Consolidated Fuel Sstems 1400 East South Boulevard Montgomery AL 36116
IO-720-A1A, -A1B; T.C. 1E15	SE63WE	Installation of starter ring gear support assembly. Issued 12/12/73.	WE	Neil J. Adler 2870 Sugarman Court La Jolla, CA 92037
IO-720-A1A; T.C. 1E15	SE163SO	Two Rajay turbochargers 325E10.	SW	Riley Int'l Corp. 6211 W. Northwest Hiway Dallas, TX 75225
IO-720-A1A; T.C. 1E15	SE205SO	Two Rajay turbochargers 325H10.	SW	Riley Int'l Corp. 6211 W. Northwest Hiway Dallas, TX 75225
IO-720-A1A, -1AB; T.C. 1E15	SE707GL	Installation of a fuel flow transducer. Issued 9/13/83.	CE-C	Shadin Company, Inc. 6950 Wayzata Blvd. Suite 221 Minneapolis, MN 55426
IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD; T.C. 1E15	SE00299WI	Installation of B & C Specialty Products lightweight (10.2 pounds) engine starter P/N BC315-100-1 (12 volts) or P/N BC 315-100-3 (24 volts). Issued 4/4/95.	CE-W	William C. Bainbridge III P O Box B Newton KS 67114-0894
IO-720-B1B; T.C. 1E15	SE62WE	Installation of two Rajay turbochargers, P/N RJ 0326 or -1 or -2. Amended 8/19/75.	WE	Mr. RPM Suite 3211 7120 Hayvenhurst Avenue Van Nuys, CA 91406
Series 320, 340, 360, 435, 480, 540, 720; T.C. E274, 1E12, E275, E284, E286, E295, E304, 1E1, 1E4, 1E7, 1E10, 1E11, 1E14, 1E15, E-11EA, E14EA, E16EA, E26EA, E277, 1E12, E295	SE4408SW	Miscellaneous engine cylinder replacement parts. Amended 1/27/86.	SW	Airmotive Engr Corp. Div of Eng Components Inc 9503 Middlex San Antonio, TX 78286

ENGINE MAKE MODEL & T.C. NO.	STC NO.	DESCRIPTION	ACO	STC HOLDER
LTS 101-750C-1, LTS-101-650B-1, LTS-101-750B-1; T.C. E5NE	SE934GL	Installation of a fuel flow transducer. Amended 5/10/95.	CE-C	Shadin Company 6831 Oxford Street St Louis Park, MN 55426
<i>Engines with Type Certificates E-223, E-229, E-274, E-286, E-284, 1E4, 1E12, E-277, 1E10, 1E1, E-14EA, E16EA, E26EA, E-228, E-276, E-279, 1E13, 1E15 E-275, E-295, 1E11, 1E7, 1E11EA, E-304, 1E14, E10EA, E19EA, E-256, E-285, E-202</i>	SE128NE	Use of AMS/OIL 15W 50 synthetic piston aircraft oil in Avco engines. Amended 5/15/83.	CE	AMS/OIL Synthetic Lubricants AMS/OIL Building Superior, WI 54880
T5313B, T5317A, T5317A-1 T.C. E17EA	SE00585AT	Installation of PC safety valve kit. Amended 4/2/96.	CE-A	Aeronautical Accessories P O Box 3689 Bristol, TN 37625-3689