

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Valve, Exhaust	AEL19001	LW-19001	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL19001 Rev.: W Date: 09-17-03, or later FAA-approved revisions.	Lycoming	O-320- A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, C1F, D1A, D1AD, D1B, D1C, E1A, E1B, E2A, E2B, F1A AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B O-340-A1A, A1B, A2A, B1A, B2A O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1J, A1LD, A2A, A2D, A2E, A2F, A2G, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B, E1A6D, F1A6 HO-360-A1A, B1A, B1B IO-360-B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, E1A, F1A LO-360-A1G6D, E1A6D TO-360-E1A6D HIO-360-B1A, B1B LTO-360-E1A6D AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A TIO-360-F1A O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5, B4B5D, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5D, L3C5D

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					IO-540-C1B5, C1C5, C2C, C4A5, C4B5, C4B5D, C4C5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, N1A5D, R1A5, T4A5, T4A5D, T4B5D, V4A5D, W1A5D TIO-540-C1A, C1AD, E1A, G1A, H1A, K1AD, AA1AD, AB1AD AEIO-540-D4A5, D4B5, D4C5 LTIO-540-K1AD
Retainer, Shroud Tube Seal	AEL65007	65007	Test and Computation per 14CFR §21.303 Dwg. No.: AEL65007 Rev.: D Date: 06-14-99, or later FAA-approved revisions.	Lycoming	O-290-11, D, D2, D2A, D2B, D2C O-320-A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B2A, C1A, C1F, D1A, D1AD, D1B, D1C, E1A, E1B, E2A, E2B, F1A AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B O-340-A1A, A1B, A2A, B1A, B2A O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1LD, A2A, A2D, A2E, A2F, A2G, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B, F1A6 HO-360-A1A, B1A, B1B IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1C6, A1D, A1D6, A2A, A2B, A2C, A3D6D, B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, C1F6, D1A, E1A, F1A, J1AD, J1A6D LO-360-A1G6D TO-360-C1A6D, F1A6D VO-360-A1A, A1B, B1A AIO-360-A1A, A1B, A2A, A2B, B1B HIO-360-A1A, B1A, B1B, C1A, C1B, D1A,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
 Supplement No. 19
 Revision No. 1
 Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					E1AD, E1BD, F1AD, F1BD IVO-360-A1A LIO-360-C1E, C1E6, C1E6D LTO-360-A1A6D TIO-360-A1A, A1B, A3B6, A3B6D, C1A6D, C1F, F1A AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A2A, A2B, A2C, A2E, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A LHIO-360-C1A, C1B, F1AD O-435-25, A VO-435-A1B, A1C, A1D, A1E, A1F, B1A (con't.) TVO-435-17, A1A, B1A, B1B, C1A, D1A, D1B, E1A, F1A, G1A, G1B GO-480-A1A, B, B1, B1A6, B1B, B1C, B1D, C1B6, C1D6, D1A, D1AD, F6, F1A6, F2A6, F2D6, F3A6, F3B6, F4A6, F4B6, G1A6, G1B6, G1D6, G1E6, G1F6, G1G6, G1H6, G1J6, G2D6, G2F6 GSO-480-A1A, A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6 O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5, B4B5D, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5D, L3C5D IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4A5, C4B5, C4B5D, C4C5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M2A5D, N1A5, N1A5D, P1A5, R1A5, S1A5, T4A5, T4A5D, T4B5D, U1A5D, U1B5D, V4A5D, W1A5D, AA1A5 VO-540-A1A, A2A, B1A, B1B, B1B3, B1C,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
 Supplement No. 19
 Revision No. 1
 Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C HIO-540-A1A IGO-540-A1A, A1B, A1C, B1A, B1B, B1C TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, C1A, C1AD, E1A, E1B5, F2BD, G1A, H1A, J2B, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, U2A, V2AD, W2A, AA1AD, AB1AD TVO-540-A1A AEIO-540-D4A5, D4B5, D4C5, K1A5D, K1B5, K1D5, K1F5D, K1G5D, K1H5, K1J5, K1J5D, L1B5D, IGSO-540-A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C, LTIO-540-F2BD, J2B, J2BD, K1AD, N2BD, R2AD, U2A, V2AD, W2A TIVO-540-A2A, A2B IO-720-A1A, A1B, A1BD, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD
Tappet Body	AEL72877	72877 69529	Test and Computation per 14CFR §21.303 Dwg. No.: AEL72877 Rev.: M Date: 07-14-09, or later FAA-approved revisions.	Lycoming	O-290-D2, D2A, D2B, D2C O-320-A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B2A, C1A, C1F, D1A, D1AD, D1B, E1A, E1B, E2A, E2B, F1A AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B O-340-A1A, A1B, A2A, B1A, B2A O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1J, A1LD, A2A, A2D, A2E, A2F, A2G, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
 Supplement No. 19
 Revision No. 1
 Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					F1A6 HO-360-A1A, B1A, B1B IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1C6, A1D, A1D6, A2A, A2B, A2C, A3B6D, B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, C1F6, D1A, E1A, F1A, J1AD, J1A6D LO-360-A1G6D TO-360-F1A6D VO-360-A1A, A1B, B1A AIO-360-A1A, A1B, A2A, A2B, B1B HIO-360-A1A, B1A, B1B, C1A, C1B, D1A, E1AD, E1AD, E1BD, F1AD, F1BD IVO-360-A1A LIO-360-C1E, C1E6, C1E6D LTO-360-A1A6D TIO-360-A1A, A1B, A3B6, A3B6D, C1A6D, C1F, F1A AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A2A, A2B, A2C, A2E, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A LHIO-360-C1A, C1B, F1AD O-435-17, 25, A O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, (con't.) A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5, B4B5D, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5D, L3C5D IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4A5, C4B5, C4B5D, C4C5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M2A5D, N1A5, N1A5D,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					P1A5, R1A5, S1A5, T4A5, T4A5D, T4B5D, V4A5D, W1A5D, AA1A5 HIO-540-A1A TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, C1A, C1AD, E1A, E1B5, F2BD, G1A, H1A, J2B, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, W2A, AA1AD, AB1AD AEIO-540-D4A5, D4B5, D4C5, K1A5D, K1B5, K1D5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, L1B5, L1B5D IGO-540-B1A, B1B, B1C IGSO-540-B1A, B1C VO-540-A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C IVO-540-A1A TIVO-540-A2A, A2B LTIO-540-F2BD, J2B, J2BD, K1AD, N2BD, R2AD, U2A, V2AD, W2A IO-720-A1A, A1B, A1BD, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD
Valve, Intake	AEL73938	73938	Test and Computation per 14CFR §21.303 Dwg. No.: AEL73938 Rev.: J Date: 02-26-01, or later FAA-approved revisions. Page 6 of 10	Lycoming	O-290-D2, D2A, D2B, D2C O-320-A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B2A, C1A, C1F, D1A, D1AD, D1B, E1A, E1B, E2A, E2B, F1A AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B O-340-A1A, A1B, A2A, B1A, B2A O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1J, A1LD, A2A, A2D, A2E, A2F, A2G, A3A,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B, E1A6D, F1A6 HO-360-A1A, B1A, B1B IO-360-B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B2E, B2F, B2F6, B4A, E1A, F1A LO-360-A1G6D, E1A6D HIO-360-B1A, B1B TO-360-E1A6D LTO-360-E1A6D TIO-360-F1A AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5, B4B5D, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5D, L3C5D IO-540-C1B5, C1C5, C2C, C4A5, C4B5, C4B5D, C4C5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, N1A5D, R1A5, T4A5, T4A5D, T4B5D, V4A5D, W1A5D, TIO-540-C1A, C1AD, E1A, G1A, H1A, K1AD, AA1AD, AB1AD AEIO-540-D4A5, D4B5, D4C5 LTIO-540-K1AD
Piston	AEL75089	75089	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL75089 Rev.: P Date: 01-26-04, or later FAA-approved revisions. Page 7 of 10	Lycoming	O-320-B2B, B2C, B3B, B3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G IO-320-B1A, B1B, B1C, B1D, B2A, C1A, C1F, D1A, D1AD, D1B, F1A AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B O-340-A1A, A1B, A2A O-360-A1A, A1AD, A1C, A1D, A1F, A1F6,

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
					A1F6D, A1G, A1G6, A1G6D, A1H, A1J, A1LD, A2A, A2D, A2E, A2F, A2G, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2D, C2E, F1A6 HO-360-A1A, B1A, B1B IO-360-B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, E1A, F1A LO-360-A1G6D VO-360-A1A, A1B, B1A HIO-360-B1A, B1B IVO-360-A1A AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, L3C5D IO-540-C1B5, C1C5, C2C, C4A5, C4B5, C4B5D, C4C5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, N1A5D, R1A5, T4A5, T4A5D, T4B5D, V4A5D TIO-540-G1A AEIO-540-D4A5, D4B5, D4C5
Piston	AEL75089P010	75089	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL75089 Rev.: P Date: 01-26-04, or later FAA-approved revisions. Page 8 of 10	Lycoming	Same as AEL75089

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	AEL75089P0 20	75089	Test and Computations per 14 CFR §21.303 Dwg. No.: AEL75089 Rev.: P Date: 01-26-04, or later FAA-approved revisions.	Lycoming	Same as AEL75089
Piston	AEL75413	75413	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL75413 Rev.: J Date: 11-05-01, or later FAA-approved revisions.	Lycoming	O-320-A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B3A, B3B, B3C, D1A, D1B, D2A, D2B, D2C, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H IO-320-A1A, A2A, E1A, E1B, E2A, E2B AEIO-320-E1A, E1B, E2A, E2B O-340-B1A, B2A O-360-B1A, B1B, B2A, B2B, D1A, D2A, D2B TIO-360-F1A O-540-B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5, B4B5D TIO-540-C1A, C1AD, E1A, H1A, K1AD, AA1AD, AB1AD LTIO-540-K1AD
Piston	AEL75413P0 10	75413	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL75413 Rev.: J Date: 11-05-01, or later FAA-approved revisions.	Lycoming	Same as AEL75413

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Airmotive Engineering Corp.
9503 Middlex Dr.
San Antonio, Texas 78217

PMA No. PQ0003SW
Supplement No. 19
Revision No. 1
Date September 24, 2014

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	AEL75413P0 20	75413	Test and Computation per 14 CFR §21.303 Dwg. No.: AEL75413 Rev.: J Date: 11-05-01, or later FAA-approved revisions.	Lycoming	Same as AEL75413

-----End of Listing-----

NOTE 1: Minor design changes (reference 14CFR part 21 § 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14CFR part 21 § 21.93 and 21.95) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

NOTE 2: The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14CFR21.50.

Steve Laufman

9-24-2014

Steve Laufman
Aviation Safety Inspector
Manufacturing

Date