FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Hartzell Engine Technologies
2900 Selma Highway
Montgomery, AL 36108

PMA No.: PQ1383CE-D

Supplement No.: 6

Date: December 6, 2012

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Starter Assy., 12V, 12/14 Pitch	PM1201	149-12HT 149-12LS, 149-12PM, 149-NL, 31A22100, 31A22104, 31A22110, 31A22470, 31B23592, ERZ-8011, MZ-6222, 31A26041, LW-15571, MZ-4222 31A22206, LW-18047, MZ-4225, LW-15573, MZ-4225, 76213, LW-14209, LW-18989, MZ-4205, MZ-4217, MZ-4221, MZ-4226, 75699, LW-14211, LW-15575, MZ-4207, MZ-4219, MZ-4223	Identicality per 14 CFR § 21.303 DWG No: PM1201 Rev: H Date: 10/16/2012 or later FAA-approved revision.	Lycoming Engines	O-235-A, -B, -AP, -BP-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C, O-290, -A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C, O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -B2D, -B2E, -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, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD, IO-320-A1A, -A2A, -B1A, -B1B, B1C, -B1E, -B1D, -B2A, -C1A, -C1B, -D1A, -D1C, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A, AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B, AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B, O-340-A1A, -A2A, -B1A, O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P,-A5AD, -B1A, -B1B, -B2A, -B2B,-B2C,-C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P,-C4F,-D1A, -D2A,-D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A, HO-360-A1A, -B1A, -B1B, -C1A, IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6,-A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A,-L2A, -M1A, -M1B, AIO-360-A1A, -A1B, -A2A, -A2B, -B1B, AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A,-H1B, HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD,

-F1AD, -G1A, TIO-360-A1A, -A1B,
-A3B6, -C1A6D, TO-360-A1A6D,
-C1A6D, -E1A6D, -F1A6D,
**VO-360-A1A, -A1B, -B1A,
IVO-360-A1A, IO-390-A1A6, -A3A6,
-A1B6, -A3B6, AEIO-390- A1A6,
-A3A6, -A1B6, -A3B6, O-540-A1A,
-A1A5, -A1B5, -A1C5, -A1D, -A1D5,
-A2B, -A3D5, -A4A5, -A4B5, -A4C5,
-A4D5, -A4E5, -B1A5, -B1B5, -B1D5,
-B2A5, -B2B5, -B2C5, -B4A5, -B4B5,
-D1A5, -E4A5, -E4B5, -E4C5, -F1A5,
-F1B5, -G1A5, -G2A5, -H1A5, -H2A5,
-H1A5D, -H2A5D, -H1B5D, -H2B5D,
-J1A5D, -J2A5D, -J1B5D, -J2B5D,
-J3A5D, -J3A5, -J1C5D -J2C5D,
-J1D5D, -J2D5D, -J3C5D, -L3C5D,
IO-540-A1A5, - B1A5, -B1B5, -B1C5,
-C1B5, -C1C5, -C2C, -C4B5, -C4B5D,
-C4D5, -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, -K2A5, -L1A5 -L1A5D,
-L1B5D, -L1C5, -M1A5, -M1A5D,
-M1B5D, -M1C5, -M2A5D, -N1A5,
-P1A5, -R1A5, -S1A5, -T4A5D, -T4B5,
-T4B5D, -T4C5D, -U1A5D, -U1B5D,
-V4A5D, -V4A5, -W1A5, -W1A5D,
-W3A5D, -AA1A5, -AA1B5, -AB1A5,
-AC1A5, -AE1A5 -AF1A5,
AEIO-540-D4A5, -D4B5, -D4C5,
-D4D5, -L1B5D, -L1B5, -L1D5,
HIO-540-A1A, 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, -AB1BD -AE2A,
-AF1A, -AF1B, -AG1A, -AH1A, -AJ1A,
-AK1A, IVO-540-A1A,
TVO-540-A1A, TIVO-540-A2A,
VO-540-A1A, -A2A -B1A, -B1B,
-B1B3, -B1C, -B1D, -B1E, -B1F,
-B1H3 -540-B2A, -B2C, -B2D, -B2E,
-B2G -C1A, -C1B, -C1C3 -C2A, -C2B,
-C2C, IGO-540-A1A, -A1B, -A1C,
-B1A, -B1B, -B1C, IGSO-540-A1A,
-A1C, -A1D, -A1E, -A1F, -A1H, -B1A,
-B1C, TIO-541-A1A, -E1A4, -E1B4,
-E1C4, -E1D4, IO-580-A1A, -B1A,
AEIO-580-B1A, SO-580-A1A, -A1B,
IO-720-A1A, -A1B, -A1BD, -B1A,
-B1B, -B1BD, -C1B, -C1BD, -D1B,
-D1BD, -D1C, -D1CD**

| Starter Assy., 12V, 10/12 Pitch | PM1203 | 122-12HT, 122-12LS, 122-12PM, 122-NL, 31A22102, 31A22106, 31A22112, 31B23590, 122-HT/EC, 122-NL/EC, 31B26552, 31A21210, 31A22473, 76210, MZ4204, MZ-6204 31A22361, ERZ-8012, 31B22462, 77879, LW-12787, MHB-4016A, MHJ-4004, MHJ-4005 | Identicality per 14 CFR § 21.303 DWG No: PM1203 Rev: J Date: 10/16/2012 or later FAA-approved revision. | Lycoming Engines | O-235-A, -B, -AP, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C, O-290, -A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C, O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -B2D, -B2E -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, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD, IO-320-A1A, -A2A, -B1A, -B1B, B1C, -B1E, -B1D, -B2A, -C1A, -C1B, -D1A, -D1C, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A, AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B, AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B, O-340-A1A, -A2A, -B1A, O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A, HO-360-A1A, -B1A, -B1B, -C1A, IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6 -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B, AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B, HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A, TIO-360-A1A, -A1B, -A3B6, -C1A6D, TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D, VO-360-A1A, -A1B, -B1A, IVO-360-A1A, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J3A5, -J1C5D -J2C5D, -J1D5D, -J2D5D, -J3C5D, -L3C5D, IO-540-A1A5, - B1A5, -B1B5, -B1C5, |

| | | | | | -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4D5, -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, -K2A5, -L1A5 -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5D, -V4A5, -W1A5 -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AE1A5, -AF1A5, AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5D, -L1B5, -L1D5, HIO-540-A1A, 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, -AB1BD -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A, IVO-540-A1A, TVO-540-A1A, TIVO-540-A2A, VO-540-A1A, -A2A -B1A, -B1B, -B1B3, -B1C, -B1D, -B1E, -B1F, -B1H3, -B2C, -B2D, -B2E, -B2G, -C1A, -C1B, -C1C3, -C2A, -C2B, -C2C, IGO-540-A1A, -A1B, -A1C, -B1A, -B1B, -B1C, IGSO-540-A1A, -A1C, -A1D, -A1E, -A1F, -A1H, -B1A, -B1C, TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4, IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD |
| Starter Assy., 12V, 12/14 Pitch | PM1204 | LW-10556 31A22552 31A21198 31A22552 | Identicality per 14 CFR § 21.303 DWG No: PM1204 Rev: G Date: 06/25/2004 or later FAA-approved revision. | Lycoming Engines | LIO-320-B1A, -C1A, LO-360-A1G6D, -A1H6, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, LIO-360-C1E6, -M1A, LHIO-360-C1A, -C1B, -F1AD, LTIO-540-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A, -V2AD, -W2A |

| Starter Assy., 24V, 12/14 Pitch | PM2401 | 149-24HT, 149-24HT/cc 149-24LS, 149-24PM, 149-NL/cc, 31B22101, 31B22105, 31B21064, 31B22111, 31B22116, 31B22207 31B22474, 31B22476, 31B26040, 31B26554, ERB-8011, LW-15572, LW-18990, MHB-4016, MHB-4020, MHB-6016, MHB-6018, ERB-8011, LW-15577, LW-14212, LW-15576, MHB-4002, MHB-4011 | Identicality per 14 CFR § 21.303 DWG No: PM2401 Rev: K Date: 10/16/2012 or later FAA-approved revision. | Lycoming Engines | O-235-A, -B, -AP, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C, O-290, -A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C, O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -B2D, -B2E -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, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD, IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1E, -B1D, -B2A, -C1A, -C1B, -D1A, -D1C, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A, AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B, AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B, O-340-A1A, -A2A, -B1A, O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A, HO-360-A1A, -B1A, -B1B, -C1A, IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6 -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B, AIO-360-A1A, -A1B, -A2A, -A2B, -B1B, AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B, HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A, TIO-360-A1A, -A1B, -A3B6, -C1A6D, TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D, VO-360-A1A, -A1B, -B1A, IVO-360-A1A, IO-390-A1A6, -A3A6, -A1B6, -A3B6, AEIO-390- A1A6, -A3A6, -A1B6, -A3B6, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J3A5, -J1C5D -J2C5D, -H1D5D, -J2D5D, -J3C5D, -L3C5D, IO-540-A1A5, - B1A5, -B1B5, -B1C5, -C1B5, -C1C5, |

-C2C, -C4B5, -C4B5D, -C4D5, -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,
-K2A5, -L1A5 -L1A5D, -L1B5D, -L1C5,
-M1A5, -M1A5D, -M1B5D, -M1C5,
-M2A5D, -N1A5, -P1A5, -R1A5, -S1A5,
-T4A5D, -T4B5, -T4B5D, -T4C5D,
-U1A5D, -U1B5D, -V4A5D, -V4A5,
-W1A5 -W1A5D, -W3A5D, -AA1A5,
-AA1B5, -AB1A5, -AC1A5, -AE1A5
-AF1A5, **AEIO-540**-D4A5, -D4B5,
-D4C5, -D4D5, -L1B5D, -L1B5, -L1D5,
IIO-540-A1A, **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,
-AB1BD -AE2A, -AF1A, -AF1B, -AG1A,
-AH1A, -AJ1A, -AK1A, **IVO-540**-A1A,
TVO-540-A1A, **TIVO-540**-A2A,
VO-540-A1A, -A2A, -B1A, -B1B, -B1B3,
-B1C, -B1D, -B1E, -B1F, -B1H3, -B2A,
-B2C, -B2D, -B2E, -B2G -C1A, -C1B,
-C1C3 -C2A, -C2B, -C2C, **IGO-540**-A1A,
-A1B, -A1C, -B1A, -B1B, -B1C,
IGSO-540-A1A, -A1C, -A1D, -A1E,
-A1F, -A1H, -B1A, -B1C, **TIO-541**-A1A,
-E1A4, -E1B4, -E1C4, -E1D4,
IO-720-A1A, -A1B, -A1BD, -B1A, -B1B,
-B1BD, -C1B, -C1BD, -D1B, -D1BD,
-D1C, -D1CD

Starter Assy., 24V, 10/12 Pitch	PM2403	122-24HT, 122-HT/cc, 122-24LS, 122-24PM, 122-NL 31B22103, 31B22107, 31B22113, 31B23590, 31B21211, 31B22362, 31B26042, ERB-8012, MHB-4016A, 31B22462	Identicality per 14 CFR § 21.303 DWG No: PM2403 Rev: J Date: 10/16/2012 or later FAA-approved revision.	Lycoming Engines	O-235-A, -B, -AP, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C, O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -B2D, -B2E -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, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD, IO-320-A1A, -A2A, -B1A, -B1B, B1C, -B1E, -B1D, -B2A, -C1A, -C1B, -D1A, -D1C, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A, AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B, AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B, O-340-A1A, -A2A, -B1A, O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A, HO-360-A1A, -B1A, -B1B, -C1A, IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6 -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B, AIO-360-A1A, -A1B, -A2A, -A2B, -B1B, AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B, HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A, TIO-360-A1A, -A1B, -A3B6, -C1A6D, TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D, VO-360-A1A, -A1B, -B1A, IVO-360-A1A, IO-390-A1A6, -A3A6, -A1B6, -A3B6, AEIO-390-A1A6, -A3A6, -A1B6, -A3B6, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J3A5, -J1C5D -J2C5D, -J1D5D, -J2D5D, -J3C5D, -L3C5D, IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4D5, -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, -K2A5, -L1A5,
-L1A5D, -L1B5D, -L1C5, -M1A5,
-M1A5D, -M1B5D, -M1C5, -M2A5D,
-N1A5, -P1A5, -R1A5, -S1A5, -T4A5D,
-T4B5, -T4B5D, -T4C5D, -U1A5D,
-U1B5D, -V4A5D, -V4A5, -W1A5,
-W1A5D, -W3A5D, -AA1A5, -AA1B5,
-AB1A5, -AC1A5, -AE1A5 -AF1A5,
AEIO-540-D4A5, -D4B5, -D4C5, -D4D5,
-L1B5D, -L1B5, -L1D5, **HIO-540**-A1A,
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, -AB1BD -AE2A,
-AF1A, -AF1B, -AG1A, -AH1A, -AJ1A,
-AK1A, **IVO-540**-A1A, **TVO-540**-A1A,
TIVO-540-A2A, **VO-540**-A1A, -A2A,
-B1B, -B1B, -B1B3, -B1C, -B1D, -B1E,
-B1F, -B1H3 -540-B2A, -B2C, -B2D,
-B2E, -B2G -C1A, -C1B, -C1C3 -C2A,
-C2B, -C2C, **IGO-540**-A1A, -A1B, -A1C,
-B1A, -B1B, -B1C, **IGSO-540**-A1A,
-A1C, -A1D, -A1E, -A1F, -A1H, -B1A,
-B1C, **TIO-541**-A1A, -E1A4, -E1B4,
-E1C4, -E1D4, **IO-720**-A1A, -A1B,
-A1BD, -B1A, -B1B, -B1BD, -C1B,
-C1BD, -D1B, -D1BD, -D1C, -D1CD

| Starter Assy., 24V, 12/14 Pitch | PM2404 | LW-14214, MHB-4014, 149-NLR, 31B22553 | Identicality per 14 CFR § 21.303 DWG No: PM2404 Rev: F Date: 06/25/2004 or later FAA-approved revision. | Lycoming Engines | **LIO-320**-B1A, -C1A, **LO-360**-A1G6D, -A1H6, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, **LIO-360**-C1E6, -M1A, **LHIO-360**-C1A, -C1B, -F1AD, **LTIO-540**-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A, -V2AD, -W2A |

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