

FAA Model Appendix (MA) AP37.7C-MA0830, Amended 4/21/15; STC Number ST00830SE – 737-700C (SEE NOTE 7)

Kit Descript.	Master Drawing List	Eligible Airplane Serial No.'s	Airplane Maintenance Manual Supplement	Airplane Flight Manual Supplement	Structural Repair Manual Supplement	Weight and Balance Manual Supplement	Certification Maintenance Req't's and Airworthiness Limitations	Maintenance Planning Data Document Supplement	Configuration Deviation List Supplement
Winglet Installation (700C-3 C40A Kit) See Notes 1, 2, 3, 4 & 6	1. Modified before 10/10/2007 : AP37.7-0611, Rev C, 9/1/2006 or later FAA approved revision 2. Modified on or after 10/10/2007 : AP37.9-0609, Rev New, 9/7/2007 or later FAA approved revision	737-7014, Rev IR, Aug. 2006 or later released revision	AP37.7-0622, Rev IR, Aug. 2006 or later released revision	For aircraft without PATS Tanks STC installed, use AP37.7-0616, Rev IR, 10/6/2006 or later FAA approved revision. For aircraft with PATS Tanks STC installed, use AP37.7C-0616, Rev IR, 2/23/2010 or later FAA approved revision.	AP37.7C-0615, Rev IR, Aug. 2006 or later FAA approved revision	AP37.7-0621, Rev IR, Aug. 2006 or later FAA approved revision	AP37.1-0704.2, Rev B, May 2004 or later FAA approved revision	AP37.1-0704.1, Rev IR, Nov. 2003 or later released revision	AP37-CDLS, Rev IR, 12/5/2001 or later FAA approved revision
Winglet Installation (700C-2 C40A Kit) See Note 1, 2, 3 & 5	AP37.9-0609, Rev B, Mar. 2012 or later FAA approved revision	737-7014, Rev C, 3/12/2012 or later released revision	AP37.7-0622, Rev B, Mar. 2012 or later released revision	AP37.7-0616, Rev 1, Mar. 2012 or later FAA approved revision.	AP37.7C-0615, Rev C, Mar. 2012 or later FAA approved revision	AP37.7-0621, Rev B, Mar. 2012 or later FAA approved revision	AP37.1-0704.2, Rev F, Mar. 2012 or later FAA approved revision	AP37.1-0704.1 Rev K, Mar. 2012 or later released revision	AP37-CDLS, Rev IR, 12/5/2001 or later FAA approved revision

Notes:

1. The 700C-2, 700C-3 Kit Certification Basis is:

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for design changes that are identified as significant in FAA Order 8110.48, the certification basis for the design modifications to the Boeing 737-700 Series airplane is as follows:

- a. The type certification basis for areas **not changed** or **not affected** by the change is shown on TCDS A16WE (Section VIII. 737-700C)
- b. The modification certification basis for areas **changed** or **affected** by the change is based on Amendment 25-91 with some exceptions, voluntary compliance to later amendments, special conditions, ESFs and exemptions as shown in TCDS A16WE (Section VIII. 737-700C) as applicable as well as those STC unique items as shown below::

14 CFR Part 25 Regulations same as noted in TCDS A16WE Section VIII. 737-700C:

25.1, 25.2, 25.3, 25.5, 25.21, 25.29, 25.101, 25.103, 25.105, 25.107, 25.109, 25.111, 25.113, 25.115, 25.117, 25.119, 25.121, 25.123, 25.125, 25.143, 25.145, 25.147, 25.149, 25.161, 25.171, 25.173, 25.175, 25.177, 25.181, 25.201, 25.203, 25.207, 25.231, 25.233, 25.235, 25.237, 25.251, 25.253, 25.255, 25.301, 25.303, 25.305, 25.307, 25.321, 25.331, 25.333, 25.335, 25.337, 25.341, 25.343, 25.345, 25.349, 25.351, 25.361(b), 25.363, 25.365, 25.367, 25.371, 25.373, 25.391, 25.409(b), 25.427, 25.445, 25.457, 25.459, 25.519, 25.571, 25.581, 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.621, 25.623, 25.625, 25.629, 25.671(c), 25.685, 25.697(d), 25.779, 25.901(b)(c), 25.903(c), 25.954, 25.975, 25.979, 25.981, 25.1011, 25.1301, 25.1309, 25.1316, 25.1323, 25.1325, 25.1329(f), 25.1353, 25.1357, 25.1385, 25.1387, 25.1389, 25.1391, 25.1393, 25.1395, 1397, 25.1401, 25.1419, 25.1431, 25.1443, 25.1501, 25.1519, 25.1529, 25.1541, 25.1581, 25.1583, 25.1585, 25.1587, G25.1, H25.1 - H25.4

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Equivalent Safety Findings unique to STC

Number SA4726SE-T-SE-1 for 21.16, 25.1389(b)(1), 25.1389(b)(2), 25.1391, 25.1393; Forward Position Light System Minimum Intensity

Number SA4726SE-T-SE-2 for 25.1389(b)(3), 25.1395; Position Light Overlapping Intensities

Number SP11946SE-T-SE-1 for 25.1397(b) for Aviation Green Chromaticity Requirements.

Number ST2923SE -T-S-2 for 25.1419 Use of Analysis to Demonstrate Safe Flight in Icing Conditions

14 CFR Part 26 Regulations

26.11 at 26-0

26.47 at 26-1

2. For 700C-3 and 700C-2 Kits: STC ST00647SE (Flight Dynamics Head-Up Guidance Display Model 2350) has been determined to be compatible with this STC. Please refer to Flight Dynamics Master Drawing List 9701-1001, Revision U, dated July 27, 2001, or later FAA approved revisions. Also refer to the appropriate FAA approved Airplane Flight Manual Supplement for this installation.
3. STC ST00845SE (Flight Dynamics Head-Up Guidance Display Model 4000) has been determined to be compatible with this STC. Please refer to Flight Dynamics Master Drawing List 9701-1010, Revision R, dated October 29, 2001, or later FAA approved revisions. Also refer to the appropriate FAA approved Airplane Flight Manual Supplement for this installation.
4. 737-700 with PATS Tanks STC Installed only: The mass distribution of STC ST01722NY-D issued 12/31/07 (PATS Auxiliary Fuel System) has been determined to be compatible with this STC.
5. Winglet Installation Kit 700C-2 (C40A) applicable to aircraft serial numbers 29979, 29980, 30200 and 30781 only.
6. After the blended winglet retrofit kit installation, the 737-700C with PATS Auxiliary Fuel Tank installations are life limited to 10 years, 7500 cycles or 30000 hours, whichever comes first
7. The format of this STC appendix was revised from the Approved Model List (AML) document (AP37.7C-AML0830) format to the Model Appendix (MA) document (AP37.7C-MA0830) format for the 737-700C model at the 4/21/15 STC amendment.

FAA Approved: _____

Manager, Seattle Aircraft Certification Office

Issued: October 10, 2007

Amended: 3/19/10, 5/17/12; 4/21/15