

**FAA Model Appendix (MA) AP37.9-MA0830, Amended 08/26/15; STC Number ST00830SE – 737-900 (SEE NOTE 8)**

<b>Kit Descript.</b>	<b>Master Drawing List</b>	<b>Eligible Airplane Serial No.'s</b>	<b>Airplane Maintenance Manual Supplement</b>	<b>Airplane Flight Manual Supplement</b>	<b>Structural Repair Manual Supplement</b>	<b>Weight and Balance Manual Supplement</b>	<b>Certification Maintenance Reqt's and Airworthiness Limitations</b>	<b>Maintenance Planning Data Document Supplement</b>	<b>Configuration Deviation List Supplement</b>
Partial Wing Retrofit Installation (900-1a Kit) See Notes 1, 3 & 4	AP37.9-0609-1, Rev IR, 9/7/2007 or later FAA approved revision	737-9009 Rev IR, 8/22/2007 or later APB approved revision	N/A	N/A See Note 4	AP37.9-0602, Rev IR, 9/2007 or later FAA approved revision	AP37.9-0603, Rev IR, 8/28/2007 or later FAA approved revision	D626A001-CMR, 8/2003 or later FAA approved revision	D626A001, 6/2001 or later Boeing approved revision	N/A See Note 4
Winglet Installation (900-3 Kit) See Notes 1 & 2	AP37.9-0609, Rev IR, 9/7/2007 or later FAA approved revision	737-9009 Rev IR, 8/22/2007 or later APB approved revision	AP37.9-0600 Rev IR, 8/2007 or later APB approved revision	AP37.9-0601, Rev 1, 11/14/2007 or later FAA approved revision	AP37.9-0602, Rev IR, 9/2007 or later FAA approved revision	AP37.9-0603, Rev IR, 8/28/2007 or later FAA approved revision	AP37.1-0704.2, Rev D, 9/2007 or later FAA approved revision	AP37.1-0704.1 Rev F, 9/2007 or later APB approved revision	AP37-CDLS, Rev 4, dated 10/9/2007 or later FAA approved revision
Split Scimitar Winglet Installation (900-5, -5A Kit) See Notes 5, 6 & 7	AP37.9-0609, Rev N, 07/17/2015 or later FAA approved revision	737-9003 Rev IR, 04/14/15 (900-5A Kit), 737-9005 Rev IR, 04/13/15 (900-5 Kit), or later APB approved revision	AP37.9-0600 Rev G, March 2015 or later APB approved revision	AP37.9-0627, Rev 2, 08/19/2015 or later FAA approved revision	AP37.9-0602, Rev Aug 2015 or later FAA approved revision	AP37.9-0603, Rev B, May 31, 2015 or later FAA approved revision	AP37.1-0704.2, Rev U, July 2015 or later FAA approved revision	AP37.1-0704.1 Rev V, March 2015 or later APB approved revision	AP37-CDLS, Rev 8, dated Jan 28, 2015 or later FAA approved revision

**Notes:**

1. The 900-1a, -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 737-900 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 IX. 737-900)
- b. The modification certification basis for areas **changed** or **affected** by the change since the reference application date, February 16, 2007, is based upon Part 25 as amended through Amendment 25-120 with some exceptions, voluntary compliance to later amendments, special conditions, ESF's, exemptions as shown in TCDS A16WE (Section IX, 737-900) as applicable as well as those STC unique items as shown below:

**14 CFR Part 25 Regulations at the latest amendment 25-0 through 25-120:**

25.21-25.29, 25.101-25.125, 25.143-25.149, 25.161, 25.171-25.181, 25.201-25.207, 25.231-25.237, 25.251-25.255, 25.301-25.305, 25.307(a), 25.321-25.343, 25.345-25.351, 25.361-25.373, 25.391, 25.427, 25.457-25.459, 25.519, 25.561, 25.571(e), 25.581, 25.601-25.613, 25.619-25.629, 25.671, 25.863(a)(b)(d), 25.869(a), 25.901, 25.903(c),

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25.954, 25.981, 25.1011, 25.1301, 25.1309, 25.1316, 25.1329, 25.1351, 25.1353, 25.1385-25.1403, 25.1419, 25.1431, 25.1443, 25.1501, 25.1513, 25.1519, 25.1529, 25.1533, 25.1535, 25.1581-25.1587, C25.1, G25.1, H25.1-H25.4, K25.1

**14 CFR Part 25 Regulations at an earlier amendment unique to STC:**

25.365 at 25-0 (900-3 kit only)  
25.571(a)-(d) at 25-86  
25.1329 at 25-0 (900-3 kit only)

**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. (900-3 kit only)  
Number SA4726SE-T -SE-2 for 21.16, 25.1389(b)(3), 25.1395; Position Light Overlapping Intensities. (900-3 kit only)  
Number SP11946SE-T-SE-1 for 25.1397(b) for Aviation Green Chromaticity Requirements. (900-3 kit only)  
Number SA4726SE-T -S-1 for 25.1419 Use of Analysis to Demonstrate Safe Flight in Icing Conditions (900-3 kit only)

**14 CFR Part 26 Regulations:**

26.11 at 26-0  
26.47 at 26-1

2. STC ST00845SE (Rockwell Collins Head-Up Guidance Display Model 4000) has been determined to be compatible with this STC. Please refer to Rockwell Collins Installation Drawing 9701-1010, Revision AW, dated October 9, 2006, or later FAA approved revisions. Also refer to the appropriate FAA approved Airplane Flight Manual Supplement for this installation.
3. When taking an aircraft previously retrofit with APB winglets defined by MDL AP37.9-0609 (900-3 kit) and returning the aircraft back to the standard wingtip configuration defined within this approved configuration by MDL AP37.9-0609-1 (900-1a kit), use only APB Service Bulletin 737-57-015 as the approved instructions.
4. For the Partial Wing Retrofit Installation (900-1a Kit), operations and limitations are the same as for the baseline aircraft and Boeing AFM and CDL data apply.
5. The 900-5, 5A 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 737-900 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 IX. 737-900)
- b. The modification certification basis for areas **changed** or **affected** by the change since the reference application date, February 27, 2013 is based upon Part 25 as amended through Amendment 25-136 with some exceptions, voluntary compliance to later amendments, special conditions, ESF's, exemptions as shown in TCDS A16WE (Section IX 737-900) as applicable as well as those STC unique items as shown below:

**14 CFR Part 25 Regulations at the latest amendment 25-0 through 25-136**

25.1, 25.21(a)-(f)(g)(2), 25.23 - 25.29, 25.101 - 25.107, 25.111, 25.115 - 25.123, 25.125(a)(b)(1)(b)(2)(i)(b)(3)(b)(4)(b)(5)(c)-(g), 25.143 - 25.237, 25.251 - 25.305, 25.307(a), 25.321 - 25.351, 25.367 - 25.373, 25.391(d)(e), 25.427(a)(b)(d), 25.445 - 25.471, 25.479(a)(c)(d), 25.481(a)(c), 25.483 - 25.485, 25.489 - 25.491, 25.493(b)(c)(d), 25.495, 25.503, 25.507(a)(b), 25.581, 25.601 - 25.603, 25.605(a), 25.607 - 25.609, 25.611(a) 25.613(a)(b)(c), 25.619(a), 25.621 - 25.629, 25.671 - 25.672, 25.685, 25.697, 25.863, 25.899, 25.901(c), 25.903(c), 25.954, 25.981(d), 25.1011(b), 25.1301, 25.1309(a)-(e), 25.1316, 25.1329(g), 25.1385 - 1395, 25.1401, 25.1419(a)(b)(d), 25.1443(a)(b)(c), 25.1501, 25.1519, 25.1529, 25.1541, 25.1581 - 25.1587, G25.1, H25.1 - H25.3, H25.5 (a)(1)(b)

**14 CFR Part 25 Regulations at an intermediate amendment, per requirements documented in SA12514SE-T Issue Paper G-1 Stage 4 Closed Dated 05/15/2015**

25.21(g)(1) at 25-72 + additional icing requirements documented in G-1  
25.125(b)(2)(ii)(A)(B)(C) at 25-108 + additional icing requirements documented in G-1  
25.571(a)(1)(2)(b)(c)(d)(e)(2)(3)(4) at 25-86  
25.571(a)(3)(e)(1) at 25-96  
25.841(a)(2) at 25-38  
25.981(a) at 25-11 + additional requirement of added fasteners being installed with cap sealing  
25.1353 (a)(b)(d) at 25-113  
25.1419(c) at 25-23

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25.1419(e)-(h) at 25-121  
C25.1 at 25-0 + additional icing requirements documented in G-1  
H25.4(a)(1),(a)(2),(b) at 25-123

**Equivalent Safety Findings Unique to STC:**

Number SA12036SE-T S-1 for 25.1387(e) at amendment 25-30; rear position light dihedral angle requirements.  
Number SA12036SE-T S-2 for 25.1419(b) at amendment 25-129; flight testing in measured natural icing conditions.  
Number SP11946SE-T-SE-1 for 25.1397(b) for Aviation Green Chromaticity Requirements

**14 CFR Part 26 Regulations**

26.11 at 26-0  
26.41 at 26-1  
26.47 at 26-1

**14 CFR Part 36 Regulations**

As amended by 36-20 or 36-28. Each Blended Winglet aircraft's FAA approved Airplane Flight Manual (AFM) will indicate if that particular serial number is compliant with Stage 3 or Stage 4 noise levels

6. STC ST00845SE (Rockwell Collins) for installation of Head-Up Guidance Display Model 4000, reference MDL 9701-1010, revision BG, dated April 15, 2010 or later FAA approved revision has been determined to be compatible with this STC. Also refer to the appropriate FAA approved Airplane Flight Manual Supplement for this installation.
7. STC ST00039MC (Rockwell Collins) for installation of Head-Up Guidance Display Model 4000 with EVS (Enhanced Vision System), reference MDL 9701-1018, revision F, dated January 17, 2012 or later FAA approved revision has been determined to be compatible with this STC. Also refer to the appropriate FAA approved Airplane Flight Manual Supplement for this installation.
8. The format of this STC appendix was revised from the Approved Model List (AML) document (AP37.9-AML0830) format to the Model Appendix (MA) document (AP37.9-MA0830) format for the 737-900 model at the **08/26/15** STC amendment

FAA Approved: \_\_\_\_\_

Manager, Seattle Aircraft Certification Office

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Reissued: N/A