

SERVICE BULLETIN

POWERPLANT — FANCASE HARNESS — HEALTH AND SAFETY
MODIFICATION TO CHANGE CLAMP TYPE

MODEL APPLICATION

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5

BULLETIN ISSUE SEQUENCE

V2500 Series 71-0307

ATA NUMBER

71-51-00

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Compliance Category

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Summary

See the Reason.

Planning Information

Effectivity Data

Engine Models Applicable

V2522-A5, V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2530-A5, V2533-A5
Engine Serial Nos. V10001 thru V12650

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Concern: Personnel installing the electrical harnesses to the engine are sustaining 'repetitive strain injuries' due to the stiffness of the existing electrical clamps.
2. Background: A problem report has been raised highlighting health and safety concerns.
3. Objective: The new loop clamps have a 'heel lock' that will alleviate the health and safety problems.
4. Substantiation: The hardware changes have been substantiated by satisfactory engineering analysis.
5. Effects of Bulletin on:
Operation: Not affected
Maintenance: Affected.
Overhaul: Affected.
Repair Scheme: Not affected.
Interchangeability: Not affected.
Fits and Clearances: Not affected.
6. Supplemental Information
 - A. The new clamps have a 'built-in' washer on the upper surface which will remove the requirement to install a washer under the bolt head.
 - B. In some instances, the fitting of the new clamp may require the installation of a new longer bolt.

Description

When necessary, the clamp will be replaced and the washer discarded or returned to stock. If required, a new bolt with longer grip length will be fitted at the clipping point.

The following clipping points will be revised:

CP0554, CP0765, CP0800, CP0801, CP0802, CP0803, CP0805, CP0806, CP0807,
CP0808, CP0809, CP0810, CP0811, CP0815, CP0816, CP0817, CP0818, CP0819,
CP0820, CP0821, CP0822, CP0823, CP0827, CP0829, CP0830, CP0831, CP0832,
CP0833, CP0834, CP0835, CP0838, CP0839, CP0840, CP0847, CP0848, CP0849,

CP0851, CP0852, CP0853, CP0854, CP0855, CP0856, CP0857, CP0858, CP0859, CP0860, CP0861, CP0862, CP0863, CP0864, CP0865, CP0866, CP0867, CP0868, CP0869, CP0877, CP0879, CP0881, CP0894, CP0895, CP0896, CP0897, CP0899, CP0903, CP1200, CP1201, CP1207, CP1208, CP1209, CP1210, CP1211, CP1212, CP1213, CP1214.

Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

Approval Data

The part number changes and/or part modifications specified in the Accomplishment Instructions and Material Information sections of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model(s) given.

The compliance statement and the procedures described in this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

The modification procedures described in this SB are reviewed and technically accepted by Airbus Design Office to apply to the Airbus fleet affected.

This SB does not contain any change information that revises the equipment definition covered by Airbus approved modifications.

The aircraft Type Certificate holder has been informed of this inspection.

Manpower

1. In Service

..... Not Applicable.

2. At Overhaul

.....Applicable (hours not affected)

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.

Weight and Balance

1. Weight Change

+ 0.10 lb (0,045 Kg).

2. Moment Arm

10.0 in (322,6 mm) forward of Datum.

3. Datum

Nacelle Front Mount Centerline (Powerplant Station PPS 100.00)

Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

Software Accomplishment Summary

Not Applicable.

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References

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, the following Technical Publications cross reference table is provided.

1. ATA Locator — 71-51-42, 71-51-43 and 77-32-43.
2. V2500-A1 A319/A320/A321/V2500-A5 Aircraft Maintenance Manual, Chapter/Sections 20-21-15, 71-51-42 and 71-51-43.
3. V2500-A5 Series Illustrated Parts Catalog, PN 2A4428, Chapter/Section 71-51-42, 71-51-43 and 77-32-43.
4. V2500 A1/A5 Series Engine Manual, PN 2A4407, Chapter/Section 72-00-32.
5. IAE Engineering Changes 03VN761B, 07VN302, 07VN303 and 07VN310.

Other Publications Affected

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, the following Technical Publications cross reference table is provided.

1. V2500-A5 Series Illustrated Parts Catalog, PN 2A4428, Chapter/Section 71-51-42, 71-51-43 and 77-32-43.
2. V2500-A1 A319/A320/A321/V2500-A5 Aircraft Maintenance Manual, Chapter/Sections 71-51-42 and 71-51-43.
3. V2500 A1/A5 Series Engine Manual, PN 2A4407, Chapter/Section 72-00-32, Cleaning, Inspection and Repair, to add the new part.

Interchangeability of Parts

Affected — (Refer to Material Information Section).

Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)

Material Information

Material — Price and Availability

1. Part prices were not available at the time of Service Bulletin publication. Contact IAE Spares Management & Logistics for firm quotations.
2. There is no kit provided to do this Service Bulletin.
3. Part availability information is provided in material data Instructions — Disposition.

Industry Support Program

Not Applicable.

The material data that follows is for each engine.

For V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W0107	1	*	.BOLT (CP0800)	4W0103 (71-51-42-01-038)	(A)(S1)(S2)
	1		.WASHER (CP0800)	SP154D (71-51-42-01-039)	(1D)(S1)(S2)
ST1698D47 (71-51-42-01-040)	1	*	.SPACER (CP0800)		(A)(S1)(S2)
AS62212	1	*	.LOOP CLAMP (CP0800)	TA025074-12 (71-51-42-01-041)	(A)(S1)(S2)
4W0107	1	*	.BOLT (CP0801)	4W0103 (71-51-42-01-046)	(A)(S1)(S2)
	1		.WASHER (CP0801)	SP154D (71-51-42-01-047)	(1D)(S1)(S2)
ST1698D47 (71-51-42-01-048)	1	*	.SPACER (CP0801)		(A)(S1)(S2)
AS62214	1	*	.LOOP CLAMP (CP0801)	TA025074-16 (71-51-42-01-049)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0802)	4W0103 (71-51-42-01-054)	(S2)
	1		.WASHER (CP0802)	SP154D (71-51-42-01-055)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0802)	TA025074-09 (71-51-42-01-057)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0803)	4W0104 (71-51-42-01-062)	(A)(S1)(S2)
	1		.WASHER (CP0803)	SP154D (71-51-42-01-063)	(1D)(S1)(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62205	1	*	.LOOP CLAMP (CP0803)	TA025074-05 (71-51-42-01-064)	(A)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0803)	TA025074-11 (71-51-42-01-065)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0807)	4W0103 (71-51-42-01-078)	(S2)
	1		.WASHER (CP0807)	SP154D (71-51-42-01-079)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0807)	TA025074-10 (71-51-42-01-081)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0808)	4W0103 (71-51-42-01-086)	(S2)
	1		.WASHER (CP0808)	SP154D (71-51-42-01-087)	(1D)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0808)	TA025074-03 (71-51-42-01-089)	(A)(S1)(S2)
AS21415	1	*	.BOLT (CP0809)	4W0109 (71-51-42-01-094)	(A)(S1)(S2)
	1		.WASHER (CP0809)	SP154D (71-51-42-01-095)	(1D)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0809)	TA025074-03 (71-51-42-01-097)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0810)	4W0103 (71-51-42-01-102)	(S2)
	1		.WASHER (CP0810)	SP154D (71-51-42-01-103)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0810)	TA025074-10 (71-51-42-01-105)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0811)	4W0103 (71-51-42-01-110)	(A)(S1)(S2)(S3)
	1		.WASHER (CP0811)	SP154D (71-51-42-01-111)	(1D)(S1)(S2)(S3)
AS62206	1	*	.LOOP CLAMP (CP0811)	TA025074-06 (71-51-42-01-112)	(A)(S1)(S2)(S3)
	1		.WASHER (CP0815)	SP154D (71-51-42-01-143)	(1D)(S1)(S2)
AS62211	1	*	.LOOP CLAMP (CP0815)	TA025074-11 (71-51-42-01-145)	(A)(S1)(S2)

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New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
	1		.WASHER (CP0816)	SP154D (71-51-42-01-151)	(1D)(S1)(S2)
AS62211	1	*	.LOOP CLAMP (CP0816)	TA025074-11 (71-51-42-01-153)	(A)(S1)(S2)
4W0108	1	*	.BOLT (CP0817)	4W0106 (71-51-42-01-158)	(A)(S1)(S2)
	1		.WASHER (CP0817)	SP154D (71-51-42-01-159)	(1D)(S1)(S2)
AS62211	1	*	.LOOP CLAMP (CP0817)	TA025074-12 (71-51-42-01-161)	(A)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0817)	TA025074-02 (71-51-42-01-163)	(A)(S1)(S2)
AS21416	1	*	.BOLT (CP0818)	AS21415 (71-51-42-01-166)	(A)(S1)(S2)
	1		.WASHER (CP0818)	SP154D (71-51-42-01-167)	(1D)(S1)(S2)
AS62211	1	*	.LOOP CLAMP (CP0818)	TA025074-11 (71-51-42-01-169)	(A)(S1)(S2)
ST1698D48	1	*	.SPACER (CP0818)	ST1698D48 (71-51-42-01-170)	(S2)
AS62203	1	*	.LOOP CLAMP (CP0818)	TA025074-02 (71-51-42-01-171)	(A)(S1)(S2)
	1		.WASHER (CP0819)	SP154D (71-51-42-01-175)	(1D)(S1)(S2)
AS62212	1	*	.LOOP CLAMP (CP0819)	TA025074-12 (71-51-42-01-177)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0820)	4W0103 (71-51-42-01-182)	(S2)
	1		.WASHER (CP0820)	SP154D (71-51-42-01-183)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0820)	TA025074-04 (71-51-42-01-185)	(A)(S1)(S2)
	2		.WASHER (CP0821)	SP154D (71-51-42-01-191)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0821)	TA025074-04 (71-51-42-01-193)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0821)	4W0001 (71-51-42-01-197)	(S2)

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New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W0103	1	*	.BOLT (CP0822)	4W0103 (71-51-42-01-198)	(S2)
	1		.WASHER (CP0822)	SP154D (71-51-42-01-199)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0822)	TA025074-04 (71-51-42-01-201)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0823)	4W0103 (71-51-42-01-206)	(A)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0823)	TA025074-10 (71-51-42-01-209)	(A)(S1)(S2)
	1		.WASHER (CP0861)	SP154D (71-51-42-01-239)	(1D)(S1)(S2)(S4)
AS62211	1	*	.LOOP CLAMP (CP0861)	TA025074-11 (71-51-42-01-241)	(A)(S1)(S2)(S4)
AS21418	1	*	.BOLT (CP0862)	AS21416 (71-51-42-01-246)	(A)(S1)(S2)(S5)
	1		.WASHER (CP0862)	SP154D (71-51-42-01-247)	(1D)(S1)(S2)(S5)
AS62211	1	*	.LOOP CLAMP (CP0862)	TA025074-11 (71-51-42-01-249)	(A)(S1)(S2)(S5)
AS62202	1	*	.LOOP CLAMP (CP0862)	TA025074-02 (71-51-42-01-251)	(A)(S1)(S2)(S5)
4W0001	1	*	.NUT (CP0862)	4W0001 (71-51-42-01-253)	(S5)
4W0103	1	*	.BOLT (CP0863)	4W0103 (71-51-42-01-254)	(S2)
	1		.WASHER (CP0863)	SP154D (71-51-42-01-255)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0863)	TA025074-08 (71-51-42-01-257)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0863)	AS20624 (71-51-42-01-261)	(S2)
	1		.WASHER (CP0864)	SP154D (71-51-42-01-263)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0864)	TA025074-04 (71-51-42-01-265)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0864)	4W0001 (71-51-42-01-269)	(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W0103	1	*	.BOLT (CP0865)	4W0103 (71-51-42-01-270)	(S2)
	1		.WASHER (CP0865)	SP154D (71-51-42-01-271)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0865)	TA025074-04 (71-51-42-01-273)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0865)	4W0001 (71-51-42-01-277)	(S2)
4W0103	1	*	.BOLT (CP0866)	4W0103 (71-51-42-01-278)	(S2)
	1		.WASHER (CP0866)	SP154D (71-51-42-01-279)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0866)	TA025074-04 (71-51-42-01-281)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0866)	4W0001 (71-51-42-01-285)	(S2)
4W0103	1	*	.BOLT (CP0867)	4W0103 (71-51-42-01-286)	(S2)
	1		.WASHER (CP0867)	SP154D (71-51-42-01-287)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0867)	TA025074-04 (71-51-42-01-289)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0868)	4W0103 (71-51-42-01-294)	(S2)
	1		.WASHER (CP0868)	SP154D (71-51-42-01-295)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0868)	TA025074-04 (71-51-42-01-297)	(A)(S1)(S2)
	1		.WASHER (CP0869)	SP154D (71-51-42-01-303)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0869)	TA025074-04 (71-51-42-01-305)	(A)(S1)(S2)
	1		.LOOP CLAMP (CP0765)	TA025074-12 (71-51-42-01-321)	(1D)
4W0103	1	*	.BOLT (CP0896)	4W0103 (71-51-42-01-350)	(S2)
	1		.WASHER (CP0896)	SP154D (71-51-42-01-351)	(1D)(S1)(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62210	1	*	.LOOP CLAMP (CP0896)	TA025074-10 (71-51-42-01-353)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0896)	4W0001 (71-51-42-01-357)	(S2)
4W0103	1	*	.BOLT (CP0897)	4W0103 (71-51-42-01-358)	(S2)
	1		.WASHER (CP0897)	SP154D (71-51-42-01-359)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0897)	TA025074-10 (71-51-42-01-361)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0899)	4W0103 (71-51-42-01-384)	(A)(S1)(S2)
	1		.WASHER (CP0899)	SP154D (71-51-42-01-386)	(1D)(S1)(S2)
AS62219	1	*	.LOOP CLAMP (CP0899)	TA025074-19 (71-51-42-01-387)	(A)(S1)(S2)
	1		.WASHER (CP1200)	SP154D (71-51-42-01-402)	(1D)(S1)(S2)(S6)
AS62211	1	*	.LOOP CLAMP (CP1200)	TA025074-12 (71-51-42-01-408)	(A)(S1)(S2)(S6)
4W0001	1	*	.NUT (CP1200)	4W0001 (71-51-42-01-412)	(S6)
AS21434	1	*	.BOLT (CP1201)	AS21431 (71-51-42-01-414)	(A)(S1)(S2)(S7)
	1		.WASHER (CP1201)	SP154D (71-51-42-01-416)	(1D)(S1)(S2)(S7)
AS62211	1	*	.LOOP CLAMP (CP1201)	TA025074-12 (71-51-42-01-418)	(A)(S1)(S2)(S7)
4W0001	1	*	.NUT (CP1201)	4W0001 (71-51-42-01-424)	(S7)
AS62202	1	*	.LOOP CLAMP (CP1207)	TA025074-02 (71-51-42-01-443)	(A)(S1)(S2)
	1		.WASHER (CP1207)	SP154D (71-51-42-01-448)	(1D)(S1)(S2)
4W0001	1	*	.NUT (CP1207)	4W0001 (71-51-42-01-449)	(S2)
4W0106	1	*	.BOLT (CP1208)	4W0106 (71-51-42-01-450)	(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62202	1	*	.LOOP CLAMP (CP1208)	TA025074-02 (71-51-42-01-454)	(A)(S1)(S2)
ST1698D47	1	*	.SPACER (CP1208)	ST1698D47 (71-51-42-01-455)	(S2)
	1		.WASHER (CP1208)	SP154D (71-51-42-01-458)	(1D)(S1)(S2)
4W0001	1	*	.NUT (CP1208)	4W0001 (71-51-42-01-459)	(S2)
4W0104	1	*	.BOLT (CP1209)	4W0103 (71-51-42-01-460)	(A)(S1)(S2)
AS62202	1	*	.LOOP CLAMP (CP1209)	TA025074-02 (71-51-42-01-463)	(A)(S1)(S2)
	1		.WASHER (CP1209)	SP154D (71-51-42-01-465)	(1D)(S1)(S2)
4W0105	1	*	.BOLT (CP1210)	4W0104 (71-51-42-01-468)	(A)(S1)(S2)
AS62202	1	*	.LOOP CLAMP (CP1210)	TA025074-02 (71-51-42-01-471)	(A)(S1)(S2)
	1		.WASHER (CP1210)	SP154D (71-51-42-01-473)	(1D)(S1)(S2)
4W0105	1	*	.BOLT (CP1211)	4W0104 (71-51-42-01-475)	(A)(S1)(S2)
AS62202	1	*	.LOOP CLAMP (CP1211)	TA025074-02 (71-51-42-01-478)	(A)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP1211)	TA025074-11 (71-51-42-01-480)	(A)(S1)(S2)
	1		.WASHER (CP1211)	SP154D (71-51-42-01-483)	(1D)(S1)(S2)
4W0001	1	*	.NUT (CP1211)	4W0001 (71-51-42-01-484)	(S2)
4W0106	1	*	.BOLT (CP1212)	4W0106 (71-51-42-01-485)	(S2)
AS62203	1	*	.LOOP CLAMP (CP1212)	TA025074-02 (71-51-42-01-488)	(A)(S1)(S2)
ST1698D47	1	*	.SPACER (CP1212)	ST1698D47 (71-51-42-01-489)	(S2)
	1		.WASHER (CP1212)	SP154D (71-51-42-01-491)	(1D)(S1)(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62203	1	*	.LOOP CLAMP (CP1213)	TA025074-02 (71-51-42-01-495)	(A)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP1214)	TA025074-02 (71-51-42-01-500)	(A)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0877)	TA025074-02 (71-51-42-01-505)	(A)(S1)(S2)(S8)
AS62203	1	*	.LOOP CLAMP (CP0879)	TA025074-02 (71-51-42-01-510)	(A)(S1)(S2)(S9)
SP155D	1	*	.WASHER	SP155D (71-51-42-05-614)	(1D)(2D)
	2		.WASHER (CP1213 AND CP1214)	SP155D (71-51-42-05-912)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0554)	TA025074-10 (71-51-43-01-041)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0805)	4W0104 (71-51-43-01-046)	(A)(S1)(S2)
	1		.WASHER (CP0805)	SP154D (71-51-43-01-047)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0805)	TA025074-10 (71-51-43-01-049)	(A)(S1)(S2)
AS62211	1	*	.LOOP CLAMP (CP0805)	TA025074-11 (71-51-43-01-050)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0806)	4W0103 (71-51-43-01-054)	(S1)(S2)
	1		.WASHER (CP0806)	SP154D (71-51-43-01-055)	(1D)(S1)(S2)
AS62205	1	*	.LOOP CLAMP (CP0806)	TA025074-05 (71-51-43-01-057)	(A)(S1)(S2)
AS62209	1	*	.LOOP CLAMP (CP1201)	TA025074-09 (71-51-43-01-067)	(A)(S1)(S2)(S7)
AS62209	1	*	.LOOP CLAMP (CP1200)	TA025074-09 (71-51-43-01-075)	(A)(S1)(S2)(S6)
4W0103	1	*	.BOLT (CP0827)	4W0103 (71-51-43-01-086)	(S2)
	1		.WASHER (CP0827)	SP154D (71-51-43-01-087)	(1D)(S1)(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62204	1	*	.LOOP CLAMP (CP0827)	TA025074-04 (71-51-43-01-089)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0829)	4W0103 (71-51-43-01-102)	(S2)
	1		.WASHER (CP0829)	SP154D (71-51-43-01-103)	(1D)(S1)(S2)
AS62207	1	*	.LOOP CLAMP (CP0829)	TA025074-07 (71-51-43-01-105)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0830)	4W0103 (71-51-43-01-110)	(S2)
	1		.WASHER (CP0830)	SP154D (71-51-43-01-111)	(1D)(S1)(S2)
AS62201	1	*	.LOOP CLAMP (CP0830)	TA025074-01 (71-51-43-01-113)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0831)	4W0103 (71-51-43-01-118)	(S2)
AS62205	1	*	.LOOP CLAMP (CP0831)	TA025074-05 (71-51-43-01-121)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0831)	4W0001 (71-51-43-01-125)	(S2)
4W0103	1	*	.BOLT (CP0832)	4W0103 (71-51-43-01-126)	(S2)
	1		.WASHER (CP0832)	SP154D (71-51-43-01-127)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0832)	TA025074-04 (71-51-43-01-129)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0833)	4W0103 (71-51-43-01-134)	(S2)
	1		.WASHER (CP0833)	SP154D (71-51-43-01-135)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0833)	TA025074-04 (71-51-43-01-137)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0834)	4W0103 (71-51-43-01-142)	(S2)
	1		.WASHER (CP0834)	SP154D (71-51-43-01-143)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0834)	TA025074-04 (71-51-43-01-145)	(A)(S1)(S2)

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New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W0103	1	*	.BOLT (CP0835)	4W0103 (71-51-43-01-150)	(S2)
	1		.WASHER (CP0835)	SP154D (71-51-43-01-151)	(1D)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0835)	TA025074-04 (71-51-43-01-153)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0838)	4W0103 (71-51-43-01-158)	(S2)
	1		.WASHER (CP0838)	SP154D (71-51-43-01-159)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0838)	TA025074-10 (71-51-43-01-161)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0838)	4W0001 (71-51-43-01-165)	(S2)
4W0103	1	*	.BOLT (CP0839)	4W0103 (71-51-43-01-166)	(S2)
	1		.WASHER (CP0839)	SP154D (71-51-43-01-167)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0839)	TA025074-10 (71-51-43-01-169)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0839)	4W0001 (71-51-43-01-173)	(S1)(S2)
4W0103	1	*	.BOLT (CP0840)	4W0103 (71-51-43-01-174)	(S2)
	1		.WASHER (CP0840)	SP154D (71-51-43-01-175)	(1D)(S1)(S2)
AS62210	1	*	.LOOP CLAMP (CP0840)	TA025074-10 (71-51-43-01-177)	(A)(S1)(S2)
SP154D	1	*	.WASHER (CP0847)	SP154D (71-51-43-01-231)	(1D)(2D)
4W0103	1	*	.BOLT (CP0848)	4W0103 (71-51-43-01-238)	(S2)
	1		.WASHER (CP0848)	SP154D (71-51-43-01-239)	(1D)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0848)	TA025074-03 (71-51-43-01-241)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0849)	4W0104 (71-51-43-01-246)	(A)(S1)(S2)

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62206	1	*	.LOOP CLAMP (CP0849)	TA025074-06 (71-51-43-01-249)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0851)	4W0104 (71-51-43-01-262)	(A)(S1)(S2)
AS62206	1	*	.LOOP CLAMP (CP0851)	TA025074-07 (71-51-43-01-265)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0851)	4W0001 (71-51-43-01-269)	(S2)
AS21415	1	*	.BOLT (CP0852)	4W0109 (71-51-43-01-270)	(A)(S1)(S2)
AS62206	1	*	.LOOP CLAMP (CP0852)	TA025074-07 (71-51-43-01-273)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0852)	4W0001 (71-51-43-01-277)	(S2)
AS21426	1	*	.BOLT (CP0853)	AS21425 (71-51-43-01-278)	(A)(S1)(S2)
	1		.WASHER (CP0853)	SP154D (71-51-43-01-279)	(1D)(S1)(S2)
AS62209	1	*	.LOOP CLAMP (CP0853)	TA025074-09 (71-51-43-01-281)	(A)(S1)(S2)
ST1698D50	1	*	.SPACER (CP0853)	ST1698D50 (71-51-43-01-283)	(S2)
4W0001	1	*	.NUT (CP0853)	4W0001 (71-51-43-01-285)	(S2)
4W0103	1	*	.BOLT (CP0854)	4W0103 (71-51-43-01-286)	(S2)
	1		.WASHER (CP0854)	SP154D (71-51-43-01-287)	(1D)(S1)(S2)
AS62201	1	*	.LOOP CLAMP (CP0854)	TA025074-01 (71-51-43-01-289)	(A)(S1)(S2)
4W0001	1	*	.NUT (CP0854)	4W0001 (71-51-43-01-293)	(S2)
4W0103	1	*	.BOLT (CP0855)	4W0103 (71-51-43-01-294)	(S2)
	1		.WASHER (CP0855)	SP154D (71-51-43-01-295)	(1D)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0855)	TA025074-03 (71-51-43-01-297)	(A)(S1)(S2)

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New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W0105	1	*	.BOLT (CP0856)	4W0103 (71-51-43-01-302)	(A)(S1)(S2)
	1		.WASHER (CP0856)	SP154D (71-51-43-01-303)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0856)	TA025074-08 (71-51-43-01-305)	(A)(S1)(S2)
	1		.WASHER (CP0857)	SP154D (71-51-43-01-311)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0857)	TA025074-08 (71-51-43-01-313)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0858)	4W0103 (71-51-43-01-318)	(S2)
	1		.WASHER (CP0858)	SP154D (71-51-43-01-319)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0858)	TA025074-08 (71-51-43-01-321)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0859)	4W0103 (71-51-43-01-326)	(S2)
	1		.WASHER (CP0859)	SP154D (71-51-43-01-327)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0859)	TA025074-08 (71-51-43-01-329)	(A)(S1)(S2)
4W0103	1	*	.BOLT (CP0860)	4W0103 (71-51-43-01-334)	(S1)(S2)
	1		.WASHER (CP0860)	SP154D (71-51-43-01-335)	(1D)(S1)(S2)
AS62208	1	*	.LOOP CLAMP (CP0860)	TA025074-08 (71-51-43-01-337)	(A)(S1)(S2)
AS62204	1	*	.LOOP CLAMP (CP0861)	TA025074-04 (71-51-43-01-345)	(A)(S1)(S2)(S4)
AS62204	1	*	.LOOP CLAMP (CP0862)	TA025074-04 (71-51-43-01-353)	(A)(S1)(S2)(S5)
4W0103	1	*	.BOLT (CP0881)	4W0103 (71-51-43-01-358)	(S2)
	1		.WASHER (CP0881)	SP154D (71-51-43-01-359)	(1D)(S1)(S2)
AS62203	1	*	.LOOP CLAMP (CP0881)	TA025074-03 (71-51-43-01-361)	(A)(S1)(S2)

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IAE PROPRIETARY INFORMATION

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Not Subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
AS62202	1	*	.LOOP CLAMP (CP0903)	TA025074-03 (71-51-43-01-369)	(A)(S1)(S2)
4W0105	1	*	.BOLT (CP0894)	4W0105 (71-51-43-01-446)	(B)
4W0001	1	*	.NUT (CP0894)	4W0001 (71-51-43-01-453)	(B)
4W0105	1	*	.BOLT (CP0895)	4W0105 (71-51-43-01-454)	(B)
4W0001	1	*	.NUT (CP0895)	4W0001 (71-51-43-01-461)	(B)
AS62206	1	*	.LOOP CLAMP (CP0811)	TA025074-06 (71-51-43-01-465)	(A)(S1)(S2)(S3)
4W0105	1	*	.BOLT (CP0877)	4W0104 (77-32-43-01-118)	(A)(S1)(S2)(S8)
4W0105	1	*	.BOLT (CP0879)	4W0103 (77-32-43-01-126)	(A)(S1)(S2)(S9)

Instructions/Disposition Code Statements:

Parts Modification Conditions

Estimated part prices are provided when they are available at time of publication. The Estimate of Unit Price is only for planning purposes and does not constitute a firm quotation. An asterisk (*) is shown where part pricing information was unavailable. In either case, contact IAE Spares for firm quotations.

Spare Parts Availability

- (A) New parts are currently available.
- (B) Reference only.
- (1D) Old part may be used in other applications.
- (2D) Quantity was 2-off.
- (S1) At each clipping point, new parts coded (S1) must replace old parts coded (S1) as a complete set.
- (S2) Old and new standard clipping points are fully intermixable on the engine.
- (S3) Parts coded (S3) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 71-51-43.
- (S4) Parts coded (S4) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 71-51-43.
- (S5) Parts coded (S5) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 71-51-43.
- (S6) Parts coded (S6) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 71-51-43.

(S7) Parts coded (S7) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 71-51-43.

(S8) Parts coded (S8) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 77-32-43.

(S9) Parts coded (S9) are constituent details of clipping point with fig/items in both chapter 71-51-42 and 77-32-43.

Vendor Services or Special Components/Materials

Not Applicable.

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Reidentified Parts

Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

WARNING: DO NOT TOUCH THE ENGINE COMPONENTS FOR A SHORT TIME AFTER THE ENGINE IS SHUT DOWN. THE COMPONENTS STAY HOT AND CAN CAUSE INJURY.

WARNING: MAKE SURE THAT THE AIRCRAFT IS SAFE FOR MAINTENANCE. THIS WILL PREVENT INJURIES TO PERSONNEL AND/OR DAMAGE TO THE EQUIPMENT.

1. Pre-requisite Instructions

A. None.

2. Rework Instructions

Part A: Applicable to operators with harnesses clipped as reflected in 'Material information section'.

A. For correct assembly instructions refer to the Engine Manual, 72-00-32 removal/installation or the Aircraft Maintenance Manual, 71-51-42 and 71-51-43, removal/installation.

Part B: Applicable to operators with low issue harnesses with clipping points that may not be reflected in 'Material information section'.

A. For correct assembly instruction refer to the Engine Manual, 72-00-32 removal / installation or the Aircraft Maintenance Manual, 71-51-42 and 71-51-43, removal / installation.

NOTE: Do not install washers under the bolt heads of clipping points fitted with the AS622 series Loop Clamps. Refer to Figure 1.

NOTE: After the bolt is torqued, make sure that at least one and a half threads of the bolt are visible above the nut or anchor nut. Refer to the Aircraft Maintenance Manual, 20-21-15. When installing new AS622 series Loop Clamps it may be necessary to install a new longer bolt (use same bolt type).

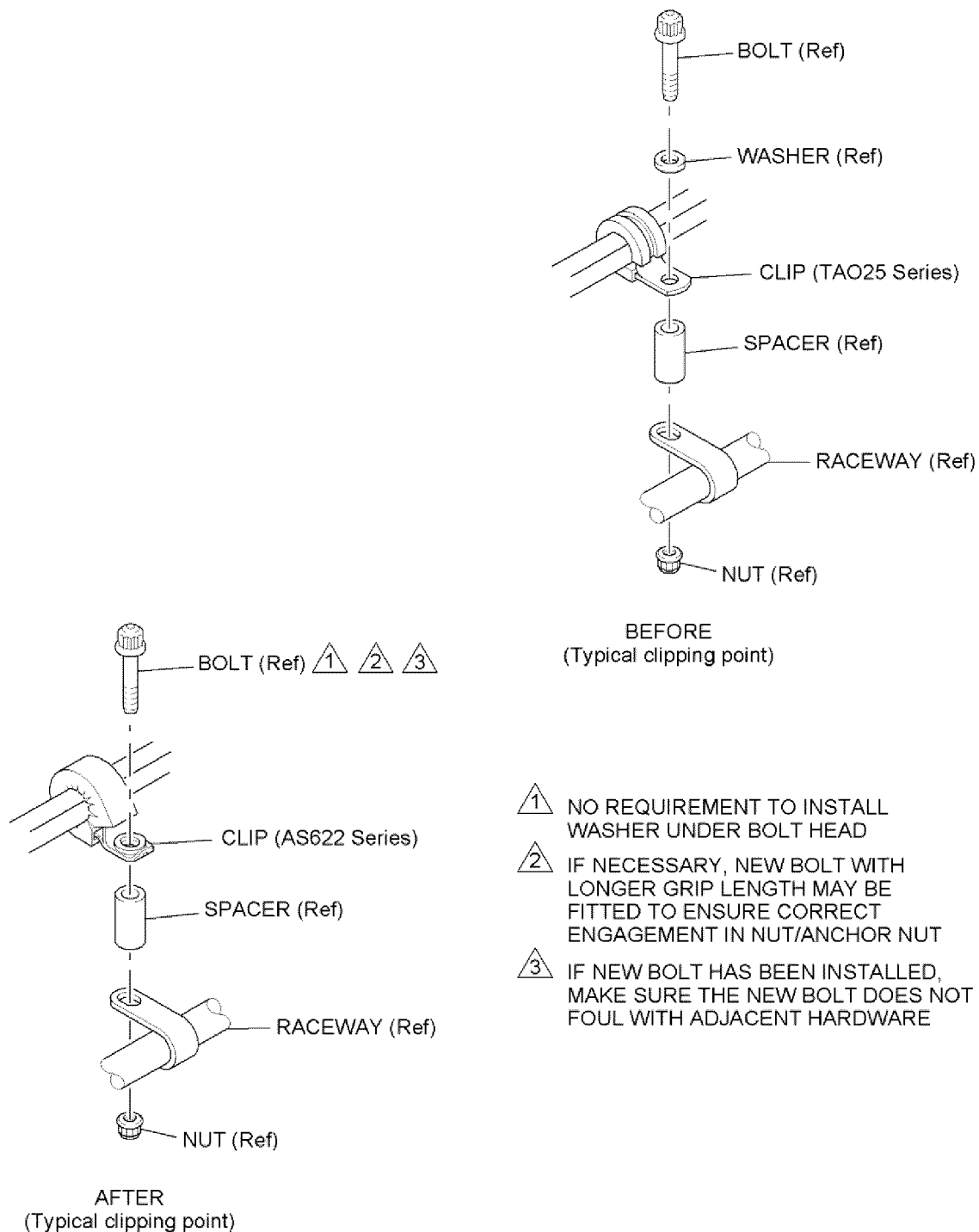
NOTE: If a longer bolt has been installed to facilitate the introduction of the new AS622 series Loop Clamps then check that the new bolt does not foul with adjacent hardware.

3. Post-requisite Instructions

A. None.

4. Recording Instructions

A. A record of accomplishment is necessary. Write in the Engine Log Book that Service Bulletin V2500-ENG-71-0307 has been done and record each clipping point modified.



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INSTALLATION OF AS622 SERIES LOOP CLAMPS FIGURE 1

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Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	REA14VC079	UTAS

Number values shown in parentheses adjacent to U.S. values are International System of units (SI) equivalents.

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, the following Technical Publications cross reference table is provided.

Technical Publications Cross Reference Table

Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
ENGINE MANUAL — A1, A5	All	E-V2500-1IA	2A4407
CMM-EHC — A1, A5	All	EHC-V2500-1IA	2A4409
CMM-FN — A1, A5	All	FN-V2500-1IA	2A4410
CMM-MMC — A1, A5	All	MECH-V2500-1IA	2A4411
CMM-THD — A1, A5	All	THD-V2500-1IA	2A4412
TLM — A1, A5	All	T-V2500-1IA	2A4408
ENGINE MANUAL — D5	All	E-V2500-3IA	2A4416
CMM-EHC — D5	All	EHC-V2500-3IA	2A4418
CMM-FN — D5	All	FN-V2500-3IA	2A4419
CMM-MMC — D5	All	MECH-V2500-3IA	2A4420
CMM-THD — D5	All	THD-V2500-3IA	2A4423
TLM — D5	All	T-V2500-3IA	2A4417
SPPM (SPM) — A1, A5, D5	All	SPP-V2500-1IA	2A4414
EIPC — A1	V2500-A1102Q00	S-V2500-1IA	2A4427

Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
EIPC — A5	V2522/V2524/V2527M-AQ02	S-V2500-6IA	2A4428
	V2522/V2524/V2527M-AQ03	S-V2500-6IB	
	V2522/V2524/V2527M-SQ02	S-V2500-6SA	
	V2522/V2524/V2527M-SQ03	S-V2500-6SB	
	V2522/V2524/V2527M-SQ04	S-V2500-6NA	
	V2522/V2524/V2527M-SQ05	S-V2500-6NB	
	V2527/V2527E-AQ02	S-V2500-7IA	
	V2527/V2527E-AQ03	S-V2500-7IB	
	V2527/V2527E-SQ02	S-V2500-7SA	
	V2527/V2527E-SQ03	S-V2500-7SB	
	V2527/V2527E-SQ04	S-V2500-7NA	
	V2527/V2527E-SQ05	S-V2500-7NB	
	V2530-AQ02	S-V2500-2IA	
	V2530-AQ03	S-V2500-2IB	
	V2530-SQ02	S-V2500-2SA	
	V2530-SQ03	S-V2500-2SB	
	V2530-SQ04	S-V2500-2NA	
	V2530-SQ05	S-V2500-2NB	
	V2533-AQ02	S-V2500-5IA	
	V2533-AQ03	S-V2500-5IB	
	V2533-SQ02	S-V2500-5SA	
	V2533-SQ03	S-V2500-5SB	
	V2533-SQ04	S-V2500-5NA	
	V2533-SQ05	S-V2500-5NB	
EIPC — D5	V2525/V2528-AQ02	S-V2500-3IA	2A4426
	V2525/V2528-AQ03	S-V2500-3IB	
	V2525/V2528-AQ04	S-V2500-3IC	