

**ENGINE FUEL AND CONTROL - MAIN ENGINE CONTROL (MEC) - CDP
BELLOWS ASSEMBLY INSPECTION**

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Export Administration Regulations Export Control Classification Number (ECCN): 9E991.

SUMMARY: This service bulletin introduces a CDP bellows assembly check.

1. PLANNING INFORMATION

A. Effectivity

8061-305, 8061-310, 8061-311, 8061-314, 8061-315, 8061-316, 8061-317,
8061-318, 8061-319, 8061-320, 8061-321, 8061-322, 8061-324, 8061-326,
8061-327, 8061-328, 8061-329, 8061-330, 8061-331, 8061-332, 8061-333,
8061-334, 8061-340, 8061-345, 8063-000, 8063-001, 8063-002 Rev. B,
8063-003 Rev. B, 8063-005 Rev. C, 8063-006, 8063-007, 8063-008, 8063-009,
8063-009-01, 8063-010, 8063-011, 8063-013, 8063-014, 8063-020, 8063-021,
8063-031, 8063-032, 8063-032-01, 8063-034, 8063-035, 8063-035-01, 8063-036,
8063-037, 8063-037-01, 8063-038, 8063-038-01, 8063-038-02, 8063-040, 8063-041,
8063-041-01, 8063-041-02, 8063-042, 8063-042-01, 8063-042-02, 8063-043, 8063-044,
8063-050, 8063-050-01, 8063-052, 8063-052-01, 8063-052-02, 8063-053, 8063-055,
8063-060, 8063-060-01, 8063-061, 8063-061-01, 8063-062, 8063-063, 8063-072,
8063-076, 8063-080, 8063-086, 8063-087, 8063-091, 8063-091-01, 8063-093,
8063-094, 8063-094-01, 8063-095, 8063-095-01, 8063-095-02, 8063-096, 8063-096-01,
8063-097, 8063-097-01, 8063-098, 8063-099, 8063-099-01, 8063-630, 8063-640,
8063-645, 8063-650, 8063-655, 8063-660

NOTE: These Main Engine Control assemblies are used on aircraft equipped with Pratt and Whitney Canada Corp. PT6A-52, -60, -60A, -60AG, -61, -64, -65B, -65R, -65AG, -65AR, -66, -66A, -66B, -66D, -67, -67A, -67B, -67D, -67F, -67P, -67R, -67AF, and -67AG engines.

B. Concurrent Requirements

None

C. Reason

Problem: The CDP bellows length should be checked when the fuel control unit is being serviced to verify that the bellows length is within tolerance.

Cause: The Component Maintenance Manual does not contain a procedure for inspection of CDP bellows length.

Solution: Comply with the procedure for inspection of CDP bellows length contained within this document.

D. Description

Replacement of CDP bellows assembly at repair if it does not pass the CDP Bellows Assembly Check procedure (see Accomplishment Instructions). This service bulletin includes instructions for continued airworthiness.

E. Compliance

Category 6 - Woodward recommends this service bulletin be accomplished any time the unit is returned for service.

F. Approval

Technical content of the service bulletin has been reviewed by the FAA and is acceptable to FAA regulations.

G. Manpower

No additional man hours required when accomplished at routine disassembly/assembly.

H. Weight Balance

Not affected.

I. Electrical Load Data

Not affected.

J. Software Accomplishment Summary

Not affected.

K. References

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-02 (60008).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-03 (60034).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-04 (60041).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-05 (60054).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-07 (60071).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-08 (60067).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-09 (60068).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-11 (60073).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-12 (60088).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-13 (60089).

Woodward, Inc. Component Maintenance Manual with Illustrated Parts List, 73-20-20 (60107).

L. Other Publications Affected

None

2. MATERIAL INFORMATION

A. Material - Price and Availability

Materials Table

New Part Number	Qty	Est Unit List Price*	Key Word	Old Part Number	Disposition of Old Part
5215-028 (see 1 below)	1	---	CDP Bellows Assembly	5215-028	Replace
5215-072 (see 2 below)	1	---	CDP Bellows Assembly	5215-072	Replace

Materials Table (Continued)

New Part Number	Qty	Est Unit List Price*	Key Word	Old Part Number	Disposition of Old Part
5215-082 (see 3 below)	1	---	CDP Bellows Assembly	5215-082	Replace
5215-084 (see 4 below)	1	---	CDP Bellows Assembly	5215-084	Replace
5215-094 (see 5 below)	1	---	CDP Bellows Assembly	5215-094	Replace
5215-126 (see 6 below)	1	---	CDP Bellows Assembly	5215-126	Replace
5215-140 (see 7 below)	1	---	CDP Bellows Assembly	5215-140	Replace
5212-0002 (see 8 below)	1	---	CDP Bellows Assembly	5212-0002	Replace

1. Used on models: 8061-305, 8061-310, 8061-311, 8061-314, 8061-315, 8061-316, 8061-317, 8061-319, 8061-320, 8061-321, 8061-322, 8061-324, 8061-326, 8061-327, 8061-329, 8061-334.
2. Used on models: 8063-000 Rev. A, 8063-000 Rev. C, 8063-000 Rev. D, 8063-000 Rev. F, 8063-001 Rev. New, 8063-001 Rev. A, 8063-001 Rev. B, 8063-001 Rev. D, 8063-010, 8063-011 Rev. New, 8063-011 Rev. B, 8063-013 Rev. New, 8063-020 Rev. New, 8063-020 Rev. B, 8063-020 Rev. C, 8063-020 Rev. D, 8063-021 Rev. New, 8063-021 Rev. A, 8063-021 Rev. B.
3. Used on models: 8063-009, 8063-032, 8063-093, 8063-099.
4. Used on models: 8061-318, 8061-328, 8061-330, 8061-331, 8061-332, 8061-333, 8061-340, 8061-345.
5. Used on models: 8063-031, 8063-034, 8063-035, 8063-036, 8063-037, 8063-038, 8063-040, 8063-041, 8063-042, 8063-043, 8063-050, 8063-052, 8063-053, 8063-060, 8063-061, 8063-062, 8063-091, 8063-094, 8063-095, 8063-096, 8063-097.
6. Used on models: 8063-000 Rev. G, 8063-001 Rev. E, 8063-006, 8063-007, 8063-008, 8063-011 Rev. F, 8063-013 Rev. D, 8063-020 Rev. G, 8063-021 Rev. E, 8063-086, 8063-087.
7. Used on models: 8063-002 Rev. B, 8063-003 Rev. B, 8063-005 Rev. C, 8063-072, 8063-076, 8063-080.
8. Used on models: 8063-009-01, 8063-014, 8063-032-01, 8063-035-01, 8063-037-01, 8063-038-01, 8063-038-02, 8063-041-01, 8063-041-02, 8063-042-01, 8063-042-02, 8063-044, 8063-050-01, 8063-052-01, 8063-052-02, 8063-055, 8063-060-01, 8063-061-01, 8063-063, 8063-091-01, 8063-094-01, 8063-095-01, 8063-095-02, 8063-096-01, 8063-097-01, 8063-098, 8063-099-01, 8063-630, 8063-640, 8063-645, 8063-650, 8063-655, 8063-660

*Estimated Unit List Prices are subject to change without notice.
 For information concerning this Service Bulletin, please contact:
 Woodward, Inc.
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 P.O. Box 7001
 Rockford, IL 61125-7001
 USA

3. ACCOMPLISHMENT INSTRUCTIONS

A. Disassembly and Assembly

CAUTION: REPLACE ALL SEALS AND PACKINGS DISTURBED DURING DISASSEMBLY WITH NEW SEALS AND PACKINGS. UNDISTURBED SEALS AND PACKINGS NEED NOT BE REMOVED SOLELY FOR THE PURPOSE OF REPLACEMENT.

- (1) Disassemble MEC to the extent required and reassemble in accordance with the referenced component maintenance manual (CMM).

B. Test

- (1) Test in accordance with the referenced component maintenance manual (CMM).

Effectivity: 8061-305, 8061-310, 8061-311, 8061-314, 8061-315, 8061-316, 8061-317, 8061-318, 8061-319, 8061-320, 8061-321, 8061-322, 8061-324, 8061-326, 8061-327, 8061-328, 8061-329, 8061-330, 8061-331, 8061-332, 8061-333, 8061-334, 8061-340, 8061-345

C. CDP Bellows Assembly Check

- (1) Measure bellows assembly (5 or 10, Figure 1) length "L" from surface of base plate to top of carbide pad (see Figure 1). Compare measured length "L" to dimension "L" marked on the bellows assembly (5 or 10) end. If dimensions are different by more than 0.003 inch (0,08 mm), replace the bellows assembly (5 or 10). Bellows assembly (5) manufactured prior to December 1999 and bellows assembly (10) manufactured prior to January 1993 are not marked with an "L" dimension. Due to the age of these unmarked parts in addition to the lack of a length reference, these bellows assemblies (5 or 10) shall be replaced.

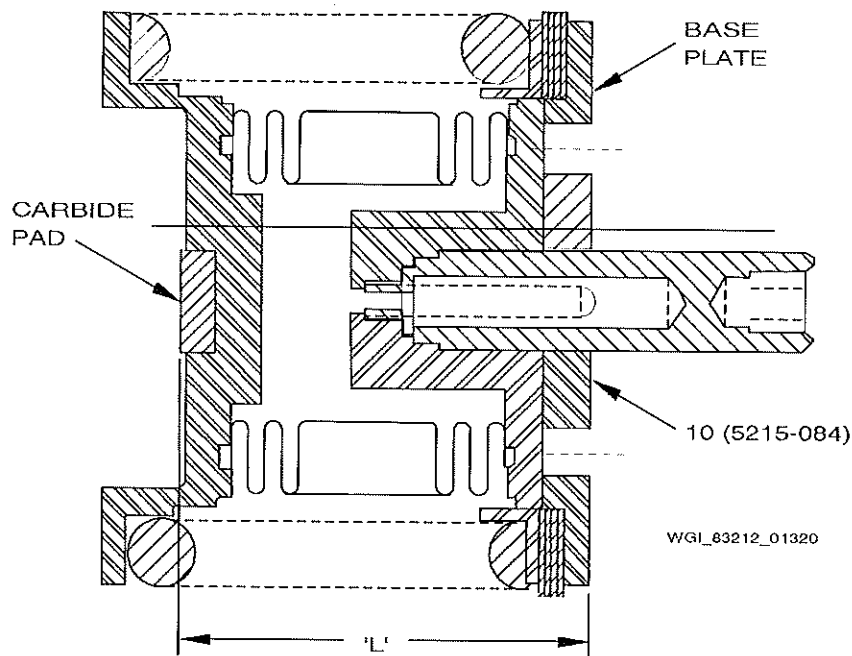
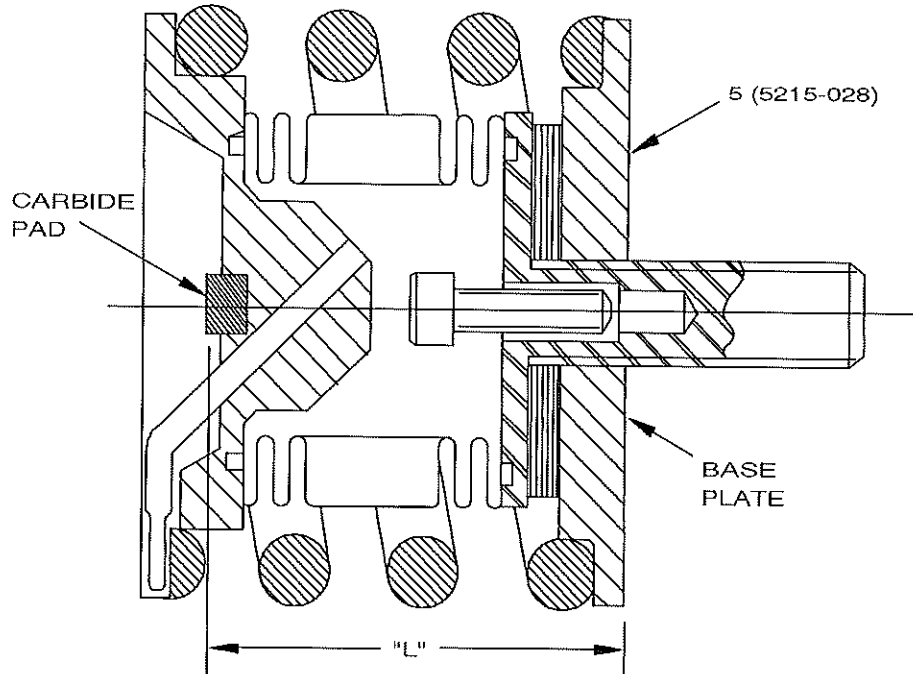


Figure 1 - CDP Bellows Assembly Check
(Sheet 1 of 1)

Effectivity: 8063-000, 8063-001, 8063-002 Rev. B, 8063-003 Rev. B, 8063-005 Rev. C, 8063-006, 8063-007, 8063-008, 8063-010, 8063-011, 8063-013, 8063-020, 8063-021, 8063-072, 8063-076, 8063-080, 8063-086, 8063-087

D. CDP Bellows Assembly Check

- (1) Measure bellows assembly (5 or 10, Figure 2) length "L" from surface of base plate to top of carbide pad (see Figure 2). Compare measured length "L" to dimension "L" marked on the bellows assembly (5 or 10) end. If dimensions are different by more than 0.003 inch (0,08 mm), replace the bellows assembly (5 or 10). Bellows assembly (5) manufactured prior to December 1999 are not marked with an "L" dimension. Due to the age of these unmarked parts in addition to the lack of a length reference, these bellows assembly (5) shall be replaced. Bellows assembly (5) manufactured after 1999 have a length dimension marked, but the dimension is not identified with a letter. Do not use the dimension identified with "H". Beginning in 2001, the length dimension on bellows assembly (10) has been identified with the letter "L".

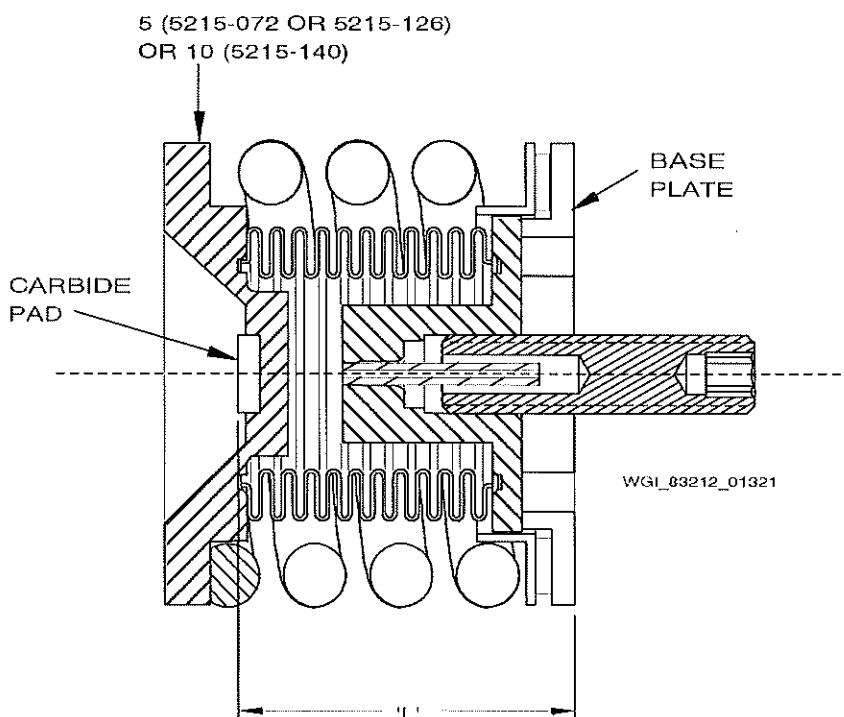


Figure 2 - CDP Bellows Assembly Check
(Sheet 1 of 1)

Effectivity: 8063-009-01, 8063-014, 8063-031, 8063-032-01, 8063-034, 8063-035, 8063-035-01, 8063-036, 8063-037, 8063-037-01, 8063-038, 8063-038-01, 8063-038-02, 8063-040, 8063-041, 8063-041-01, 8063-041-02, 8063-042, 8063-042-01, 8063-042-02, 8063-043, 8063-044, 8063-050, 8063-050-01, 8063-052, 8063-052-01, 8063-052-02, 8063-053, 8063-055, 8063-060, 8063-060-01, 8063-061, 8063-061-01, 8063-062, 8063-063, 8063-091, 8063-091-01, 8063-094, 8063-094-01, 8063-095, 8063-095-01, 8063-095-02, 8063-096, 8063-096-01, 8063-097, 8063-097-01, 8063-098, 8063-099-01, 8063-630, 8063-640, 8063-645, 8063-650, 8063-655, 8063-660

E. CDP Bellows Assembly Check

- (1) Measure bellows assembly (5 or 10, Figure 3) length "L" from surface of base plate to top of carbide pad (see Figure 3). Compare measured length "L" to dimension "L" marked on the bellows assembly (5 or 10) end. If dimensions are different by more than 0.003 inch (0,08 mm), replace the bellows assembly (5 or 10). Bellows assembly (5) manufactured prior to January 1993 are not marked with an "L" dimension. Due to the age of these unmarked parts in addition to the lack of a length reference, these bellows assemblies (5) shall be replaced.

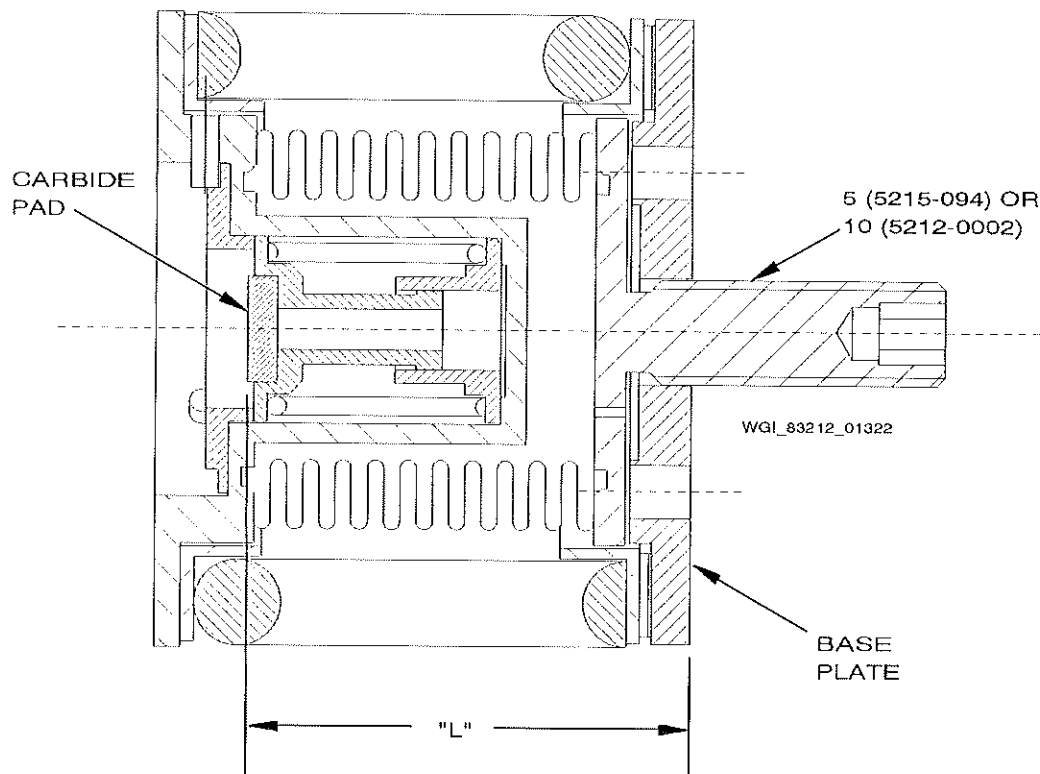


Figure 3 - CDP Bellows Assembly Check
(Sheet 1 of 1)

Effectivity: 8063-009, 8063-032, 8063-093, 8063-099

F. CDP Bellows Assembly Check

- (1) Measure bellows assembly (5, Figure 4) length "L" from surface of base plate to top of carbide pad (see Figure 4). Compare measured length "L" to dimension "L" marked on the bellows assembly (5) end. If dimensions are different by more than 0.003 inch (0,08 mm), replace the bellows assembly (5). Bellows assembly (5) manufactured prior to December 1999 are not marked with an "L" dimension. Due to the age of these unmarked parts in addition to the lack of a length reference, these bellows assemblies (5) shall be replaced. Bellows assembly (5) manufactured after 1999 have a length dimension marked, but the dimension is not identified with a letter. Do not use the dimension identified with "H".

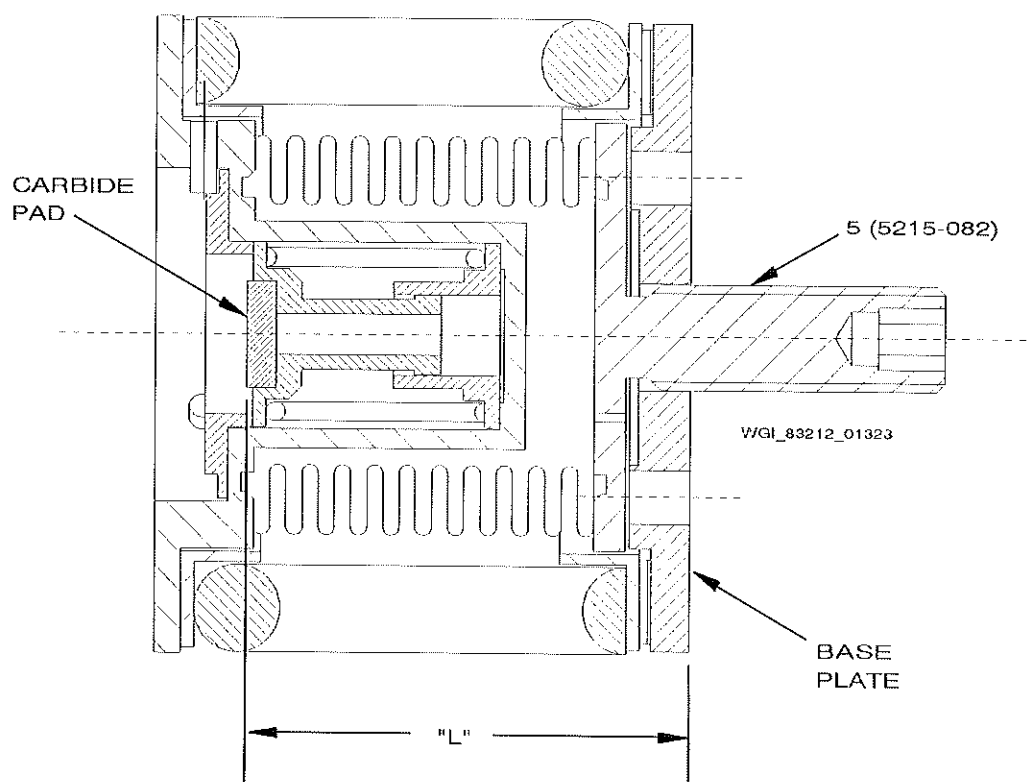


Figure 4 - CDP Bellows Assembly Check
(Sheet 1 of 1)

G. Continued Maintenance

- (1) This Service Bulletin must be used with the applicable Component Maintenance Manual referenced in the References section, to perform maintenance on the models until the applicable Component Maintenance Manual is updated to include the information in this service bulletin.

ACCESSORIES SERVICES CORRECTION NOTICE

TS202007

IDENTIFICATION

SUBJECT	Models effectivity for SB 83212-73-023			
SUPPLIER	Woodward			
MANUAL NUMBER	ATA NUMBER	PAGE MODIFIED	PAGE DATE	CASE NUMBER (RSVP)
SB 83212-73-023	Multiples	1	Oct 13/2014	N/A

**This correction notice will remain in effect until the revision of the above pages.
The following corrections were requested and confirmed by the Local Engineering Authority.**

Refer to Quickflow 567 for approvals.

CORRECTIONS

The following P/Ns are to be added to models list of the Effectivity section.

8061-330A

8061-042-01A

8063-055-02

8063-690



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October 13, 2014

Attention: *Subscribers of Manuals 73-20-02 (60008), 73-20-03 (60034),
73-20-04 (60041), 73-20-05 (60054), 73-20-07 (60071), 73-20-08 (60067),
73-20-09 (60068), 73-20-11 (60073), 73-20-12 (60088), 73-20-13 (60089),
and 73-20-20 (60107)*

Subject: *Service Bulletin (SB) 83212-73-023, Original Issue*

This service bulletin introduces a CDP bellows assembly check.

Questions or comments concerning this service bulletin should be directed to:

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