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 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
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 CRANE, P.A. Pacific Gas & Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Rev. 1. to updated FSAR & instruction sheets. Rev. reflects status of Unit 1 through 850322. Lists changes not submitted to Commission.

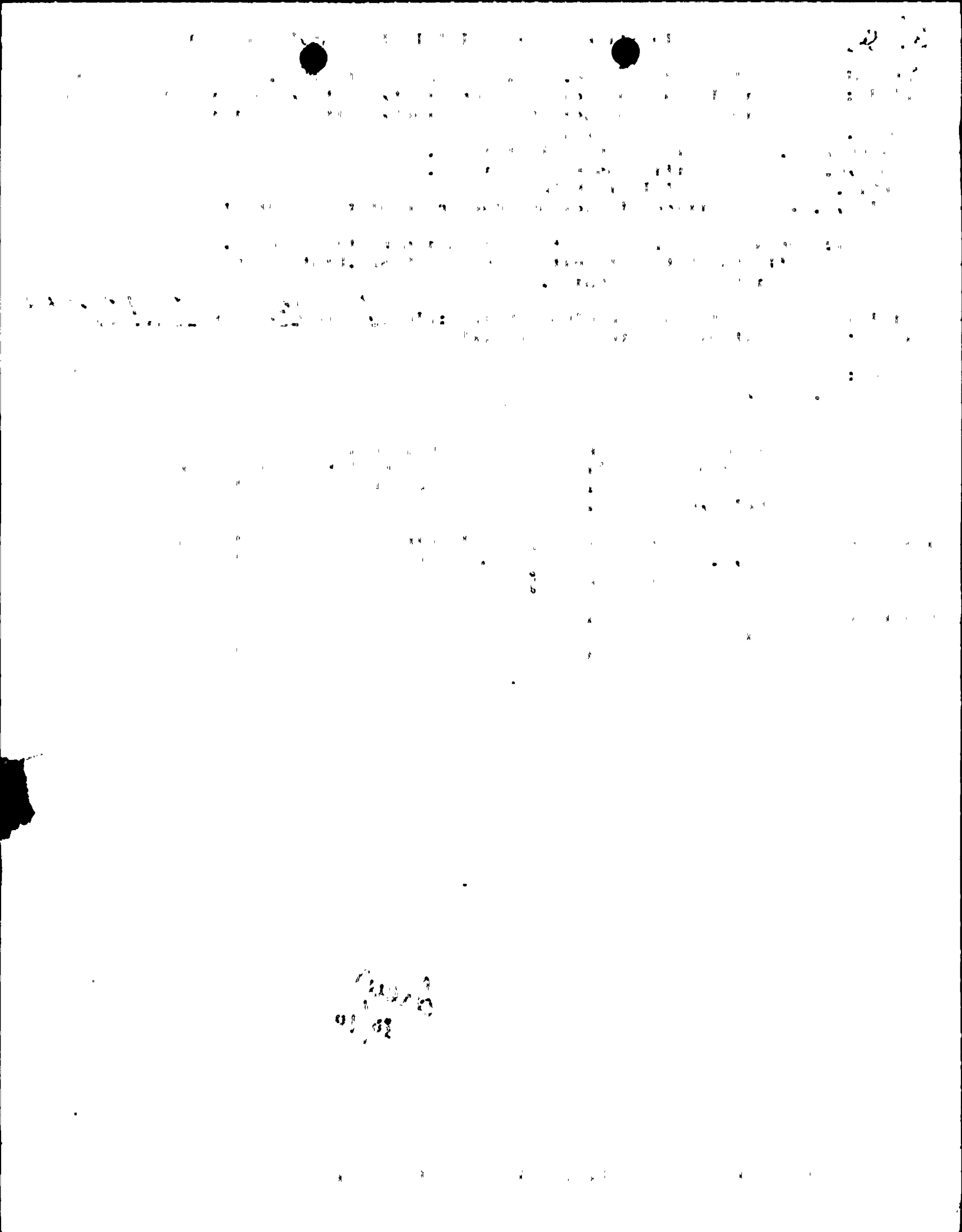
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 TITLE: OR Submittal: Updated FSAR (50.71)

NOTES: *Revised 10/21/85 ef. W.* 05000275
 OL: 09/22/81

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JAMES D. SHIFFER
VICE PRESIDENT
NUCLEAR POWER GENERATION

September 20, 1985

PGandE Letter No.: DCL-85-308

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Diablo Canyon Units 1 and 2
FSAR Update, Revision 1

Dear Mr. Denton:

Pursuant to 10 CFR 50.71(e), PGandE is providing 13 copies of the Diablo Canyon FSAR Update, Revision 1. Also provided are 1 signed original and 12 copies of the letter transmitting these documents.

This FSAR Update revision reflects the status of Diablo Canyon Unit 1 through March 22, 1985, the cutoff date for this revision. This revision includes information required by 10 CFR 50.71(e), including changes made to Unit 1 since the previously submitted FSAR Update.

Changes made under the provisions of 10 CFR 50.59 through the March 22, 1985 cutoff date are also incorporated into this revision. The changes not already submitted to the Commission are as follows:

1. Section 7.2.1.1, System Description; Section 7.2.1.1.6, Digital Logic System; Section 7.2.2.1.7, Capability for Testing

The reactor undervoltage trip circuit input to the shunt coil trip circuit for the reactor trip breaker has been added to these sections.

2. Section 7.2.1.1.1.6, Turbine Trip - Reactor Trip; Section 7.2.2.3.5, Steam Generator Water Level and Feedwater Flow; Section 7.3.1.1.3, Devices Requiring Actuation; Section 7.3.2.1.5.8, Actuator Testing; and Section 7.3.2.1.5.11, Safety Guide 22

The four bypass valves added to the feedwater system have been included in the listed sections.

3. Section 8.3.1.4, Separation for Class 1E Systems

Because the manufacturer no longer identifies his electric arc and fireproofing tape with the number given in this section, an "or equivalent" statement was added.

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- 4. Table 9.4-1, Control Room HVAC System Component Design Data; Table 9.4-5, Auxiliary Building Heating and Ventilation System Components Design Data; and Table 9.4-6, Fuel Handling Area Heating and Ventilation System Components Design Data


These tables now reflect the specified use of higher efficiency roughing filters.

- 5. Section 11.2.4 Operating Procedures

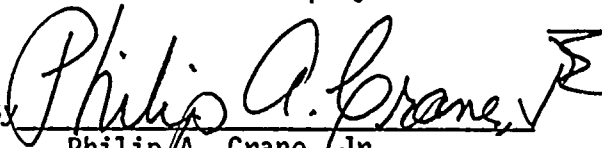
The control interlocks added to the liquid radwaste system to prevent simultaneous filling and draining of tanks is discussed in the section.

Kindly acknowledge receipt of this material on the enclosed copy of this letter and return it in the enclosed addressed envelope.

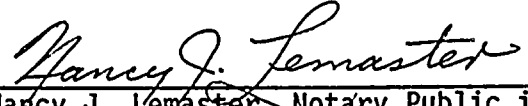
Subscribed to in San Francisco, California, this 20th day of September 1985.

Respectfully submitted,
Pacific Gas and Electric Company
By 
J. D. Shiffer
Vice President
Nuclear Power Generation

Robert Ohlbach
Philip A. Crane, Jr.
Richard F. Locke
Attorneys for Pacific
Gas and Electric Company

By 
Philip A. Crane, Jr.

Subscribed and sworn to before me
this 20th day of September, 1985

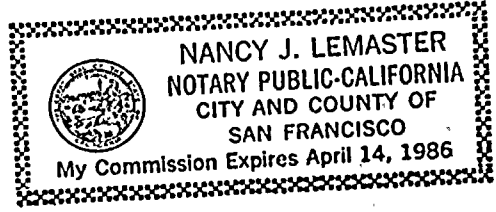

Nancy J. Lemaster, Notary Public in and
for the City and County of San
Francisco, State of California



My commission expires April 14, 1986.

Enclosures

- cc w/o encs: L. J. Chandler
R. T. Dodds
J. B. Martin
H. E. Schierling



Handwritten notes in the top right corner, including the number '10' and some illegible scribbles.

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REVISION 1

INSTRUCTION SHEET

(File this instruction sheet in the front of Volume 1 as a record of changes.)

This revision of the FSAR Update incorporates appendices from the original FSAR and information from the Hosgr1 Report that were listed as references in the FSAR Update Revision 0.

The following instructions and check lists are provided as a guide for placing the new and revised pages of Revision 1 in the Diablo Canyon Power Plant Units 1 and 2 FSAR Update. The new pages are marked with a revision notation, "September 1985 Revision 1" at the bottom of the page. The new pages contain added and revised material. This material is identified in the text and tables by vertical change bar indicators in the page margin adjacent to the changes. Where change bar indicators appear adjacent to a blank portion of a page a deletion is indicated. Where pages have been changed only to reposition material, with no change in content, only the date and revision number notation is given.

Since the FSAR Update is printed on both sides of the sheets the front or back page of a Revision 1 sheet may be reprinted without change. Such pages are not identified with a revision notation at the bottom of the page.

Two additional binders (Volumes 12 and 13) are provided with this revision. Before inserting the new material it is suggested that the FSAR Update be reorganized in accordance with the new volume Contents (page 1 through x). Thirteen sets of the new volume Contents sets are provided.

Following the reorganizations, the old sheets should be removed and new ones inserted as listed below:

Remove Old Sheet (Front/Back)

Insert New Sheet (Front/Back)

AT THE FRONT OF EACH THIRTEEN VOLUMES:

VOLUME 1 Through VOLUME 11
(11 unnumber sheets)

CONTENTS (Volume)
1/11 through 1x/x

AT THE FRONT OF VOLUME 2

None

Yellow Index tab 2.3

AT THE FRONT OF VOLUME 3

None

Yellow Index Tab 2.5

AT THE FRONT OF VOLUME 5

None

Yellow Index Tab 3.2

Chapter 1

CHAPTER 1

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1.6-9/1.6-10

1.6-9/1.6-10

Figure 1.2-4

Figure 1.2-4

Figure 1.2-5

Figure 1.2-5

Figure 1.2-6

Figure 1.2-6

Figure 1.2-7

Figure 1.2-7

Figure 1.2-8

Figure 1.2-8

Figure 1.2-10

Figure 1.2-10

Figure 1.2-11

Figure 1.2-11

Figure 1.2-13

Figure 1.2-13

Figure 1.2-14

Figure 1.2-14

Figure 1.2-15

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Figure 1.2-16

Figure 1.2-22

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Figure 1.2-24

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Figure 1.2-26

Figure 1.2-26

Table 1.4-1 Sheets 1/2

Table 1.4-1 Sheets 1/2

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Table 1.4-3 Sheets 1/2

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Figure 2.1-7	Figure 2.1-7
Figure 2.1-8	Figure 2.1-8
Figure 2.1-11	Figure 2.1-11
Figure 2.1-12	Figure 2.1-12
Figure 2.1-13	Figure 2.1-13
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Table 2.3-47/Blank	Table 2.3-47/Blank
None	Complete Appendix 2.3A (2.3A-1/2.3A-2 to 2.3A-115/2.3A-116)
None	Complete Appendix 2.3B (2.3B-1/2.3B-2 to 2.3B-51/Blank)
None	Complete Appendix 2.3C (2.3C-1/2.3C-2 to 2.3C-37/2.3C-38)
None	Complete Appendix 2.3D (2.3D-1/2.3D-2 to 2.3D-11/2.3D-12)
None	Complete Appendix 2.3E (2.3E-0/Blank to 2.3E-91/2.3E-92)
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 Table 2.3K-9 Sheets 1/2
 Table 2.3K-10 Sheets 1/2
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 Figure 3.2-4 Sheet 1
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 Figure 3.2-13 Sheet 1
 Figure 3.2-13 Sheet 2
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 Figure 3.2-15 Sheet 3

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Figure 3.2-8 Sheet 13
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 Figure 3.2-13 Sheet 1
 Figure 3.2-13 Sheet 2
 Figure 3.2-14 Sheet 1
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 Figure 3.2-16 Sheet 16
 Figure 3.2-16 Sheet 17
 Figure 3.2-17 Sheet 1
 Figure 3.2-17 Sheet 2
 Figure 3.2-18 Sheet 1
 Figure 3.2-18 Sheet 2
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 Figure 3.2-19 Sheet 13
 Figure 3.2-19 Sheet 14

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 Figure 3.2-15 Sheet 9
 Figure 3.2-16 Sheet 3
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 Figure 3.2-16 Sheet 15
 Figure 3.2-16 Sheet 16
 Figure 3.2-16 Sheet 17
 Figure 3.2-17 Sheet 1
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Figure 3.2-19 Sheet 15
 Figure 3.2-19 Sheet 16
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 Figure 3.2-21 Sheet 3
 Figure 3.2-21 Sheet 4
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 Figure 3.2-22 Sheet 10
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 Figure 3.2-23 Sheet 5
 Figure 3.2-23 Sheet 6
 Figure 3.2-24 Sheet 2
 Figure 3.2-24 Sheet 4
 Figure 3.2-25 Sheet 1
 Figure 3.2-25 Sheet 3
 Figure 3.2-25 Sheet 5
 Figure 3.2-26 Sheet 3
 Figure 3.2-27 Sheet 1
 Figure 3.3-3
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 Table 3.6-3 Sheets 3/Blank
 Table 3.6-4 Sheets 1/2
 Table 3.6-4 Sheet 3/Blank

Insert New Sheet (Front/Back)

Figure 3.2-19 Sheet 15
 Figure 3.2-19 Sheet 16
 Figure 3.2-20 Sheet 2
 Figure 3.2-20 Sheet 3
 Figure 3.2-20 Sheet 4
 Figure 3.2-20 Sheet 7
 Figure 3.2-20 Sheet 8
 Figure 3.2-20 Sheet 9
 Figure 3.2-20 Sheet 10
 Figure 3.2-21 Sheet 1
 Figure 3.2-21 Sheet 2
 Figure 3.2-21 Sheet 3
 Figure 3.2-21 Sheet 4
 Figure 3.2-21 Sheet 5
 Figure 3.2-21 Sheet 6
 Figure 3.2-21 Sheet 7
 Figure 3.2-21 Sheet 8
 Figure 3.2-21 Sheet 9
 Figure 3.2-21 Sheet 15
 Figure 3.2-22 Sheet 1
 Figure 3.2-22 Sheet 3
 Figure 3.2-22 Sheet 5
 Figure 3.2-22 Sheet 7
 Figure 3.2-22 Sheet 8
 Figure 3.2-22 Sheet 9
 Figure 3.2-22 Sheet 10
 Figure 3.2-23 Sheet 1
 Figure 3.2-23 Sheet 2
 Figure 3.2-23 Sheet 3
 Figure 3.2-23 Sheet 5
 Figure 3.2-23 Sheet 6
 Figure 3.2-24 Sheet 2
 Figure 3.2-24 Sheet 4
 Figure 3.2-25 Sheet 1
 Figure 3.2-25 Sheet 3
 Figure 3.2-25 Sheet 5
 Figure 3.2-26 Sheet 3
 Figure 3.2-27 Sheet 1
 Figure 3.3-3
 Table 3.6-3 Sheets 1/2
 Table 3.6-3 Sheets 3/Blank
 Table 3.6-4 Sheets 1/2
 Table 3.6-4 Sheet 3/4

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None

Figure 3.7-4N

None

Figure 3.7-4O

None

Figure 3.7-4P

None

Figure 3.7-4Q

None

Figure 3.7-4R

None

Figure 3.7-4S

None

Figure 3.7-4T

None

Figure 3.7-5A

None

Figure 3.7-5B

None

Figure 3.7-5C

None

Figure 3.7-5D

None

Figure 3.7-5E

Figure 3.7-7

Figure 3.7-7

None

Figure 3.7-7A

None

Figure 3.7-12A

None

Figure 3.7-12B

None

Figure 3.7-12C

None

Figure 3.7-12D

None

Figure 3.7-12E

None

Figure 3.7-12F

None

Figure 3.7-12G

None

Figure 3.7-12H

None

Figure 3.7-12I

None

Figure 3.7-12J

None

Figure 3.7-12K

None

Figure 3.7-12L

None

Figure 3.7-12M

None

Figure 3.7-12N

None

Figure 3.7-12O

None

Figure 3.7-12P

None

Figure 3.7-12Q

None

Figure 3.7-12R

None

Figure 3.7-12S

None

Figure 3.7-15

None

Figure 3.7-15A

None

Figure 3.7-15B

None

Figure 3.7-15C

None

Figure 3.7-15D

None

Figure 3.7-15E

None

Figure 3.7-15F

None

Figure 3.7-15G

None

Figure 3.7-15H

None

Figure 3.7-15I

Remove Old Sheet (Front/Back)

Insert New Sheet (Front/Back)

None	Figure 3.1-25A
None	Figure 3.1-25B
None	Figure 3.1-25C
None	Figure 3.1-25D
None	Figure 3.1-25E
None	Figure 3.1-25F
None	Figure 3.1-25G
None	Figure 3.1-25H
None	Figure 3.1-25I
None	Figure 3.1-25J
None	Figure 3.1-25K
None	Figure 3.1-25L
None	Figure 3.1-25M
None	Figure 3.1-25N
None	Figure 3.1-25O
None	Figure 3.1-25P
None	Figure 3.1-25Q
None	Figure 3.1-25R
None	Figure 3.1-25S
None	Figure 3.1-25T
Figure 3.1-26	Figure 3.1-26
None	Figure 3.1-29
Table 3.8-5 Sheets 1/2	Table 3.8-5 Sheets 1/2
None	Table 3.8-5 Sheets 3/Blank
None	Table 3.8-6A/Blank
None	Table 3.8-6B/Blank
Table 3.8-24/Blank	Table 3.8-24/Blank
None	Table 3.8-25/Blank
None	Table 3.8-26/Blank
None	Table 3.8-27/Blank
None	Table 3.1-28/Blank
Figure 3.8-17	Figure 3.8-17
Figure 3.8-45	Figure 3.8-45
Figure 3.8-46	Figure 3.8-46
None	Figure 3.8-66
None	Figure 3.8-67
None	Figure 3.8-68
None	Figure 3.8-69
None	Figure 3.8-70
None	Figure 3.8-71
None	Figure 3.8-72
None	Figure 3.8-73
None	Figure 3.8-74

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None
 None
 None
 None
 None
 Table 3.9-2 Sheets 1/2
 None
 Table 3.9-3 Sheets 1/2
 Table 3.9-4 Sheets 1/2
 Table 3.9-4 Sheets 3/Blank
 Table 3.9-5 Sheets 1/2
 Table 3.9-6 Sheets 1/2
 None
 Table 3.9-8 Sheets 1/2
 Table 3.9-9 Sheets 1/2
 Table 3.9-9 Sheets 3/4
 Table 3.9-9 Sheets 5/6
 Table 3.9-9 Sheets 7/8
 Table 3.9-9 Sheets 9/10
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 Table 3.9-11 Sheets 1/2
 Table 3.9-12 Sheets 1/2
 Table 3.9-12 Sheets 3/4
 Table 3.10-3 Sheets 1/2
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 Table 3.10-3 Sheets 9/10
 Table 3.10-3 Sheets 11/12
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 Table 3.10-3 Sheets 17/18
 Table 3.10-3 Sheets 19/20
 Table 3.10-3 Sheets 21/22
 Table 3.10-3 Sheets 23/24
 Table 3.10-3 Sheets 25/26

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 Figure 3.8-76
 Figure 3.8-77
 Figure 3.8-78
 Figure 3.8-79
 Table 3.9-2 Sheets 1/2
 Table 3.9-2 Sheets 3/Blank
 Table 3.9-3 Sheets 1/2
 Table 3.9-4 Sheets 1/2
 Table 3.9-4 Sheets 3/Blank
 Table 3.9-5 Sheets 1/2
 Table 3.9-6 Sheets 1/2
 Table 3.9-6 Sheets 3/Blank
 Table 3.9-8 Sheets 1/2
 Table 3.9-9 Sheets 1/2
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Table 3.10-3 Sheets 27/28
 Table 3.10-3 Sheets 29/30
 Table 3.11-3 Sheets 1/2
 Table 3.11-3 Sheets 3/4
 Table 3.11-3 Sheets 5/6
 None

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Table 3.10-3 Sheets 27/28
 Table 3.10-3 Sheets 29/30
 Table 3.11-3 Sheets 1/2
 Table 3.11-3 Sheets 3/4
 Table 3.11-3 Sheets 5/6
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 (3.11A-1/3.11A-2 through 3.11A-17/3.11A-18)

CHAPTER 4

4.2-11/4.2-12
 4.2-43/4.2-44
 4.2-47/Blank
 4.3-39/Blank
 4.4-37/Blank

4.2-11/4.2-12
 4.2-43/4.2-44
 4.2-47/Blank
 4.3-39/Blank
 4.4-37/Blank

CHAPTER 5

x/Blank
 x11/Blank
 5.1-1/5.1-2
 5.2-61/5.2-62
 5.2-63/Blank
 5.5-21/5.5-22
 5.5-27/5.5-28
 5.5-31/5.5-32
 5.5-43/5.5-44

x/Blank
 x11/Blank
 5.1-1/5.1-2
 5.2-61/5.2-62
 5.2-63/Blank
 5.5-21/5.5-22
 5.5-27/5.5-28
 5.5-31/5.5-32
 5.5-43/5.5-44

Table 5.2-5/Blank
 Table 5.2-8/Blank
 Table 5.2-9 Sheets 1/2
 Table 5.5-8/Blank
 Figure 5.5-13
 5.5A-3/5.5A-4

Table 5.2-5/Blank
 Table 5.2-8/Blank
 Table 5.2-9 Sheets 1/2
 Table 5.5-8/Blank
 Figure 5.5-13
 5.5A-3/5.5A-4

CHAPTER 6

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 6.2-21/6.2-22

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 6.2-15/6.2-16
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 6.2-35/6.2-36
 6.2-43/6.2-44
 6.2-47/6.2-48
 6.2-81/6.2-82
 6.3-17/6.3-18
 6.3-23/6.3-24
 6.3-35/6.3-36
 6.4-3/6.4-4
 6.4-7/6.4-8
 6.5-5/6.5-6
 6.5-11/6.5-12

Table 6.2-24/Blank
 Table 6.2-28 Sheets 1/2
 Table 6.2-28 Sheets 3/Blank
 None
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 None
 None
 None
 None

Insert New Sheet (Front/Back)

6.2-31/6.2-32
 6.2-35/6.2-36
 6.2-43/6.2-44
 6.2-47/6.2-48
 6.2-81/6.2-82
 6.3-17/6.3-18
 6.3-23/6.3-24
 6.3-35/6.3-36
 6.4-3/6.4-4
 6.4-7/6.4-8
 6.5-5/6.5-6
 6.5-11/6.5-12

Table 6.2-24/Blank
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 7.2-25/7.2-26
 7.2-27/7.2-28
 7.2-35/7.2-36
 7.2-37/7.2-38
 7.3-3/7.3-4
 7.3-9/7.3-10
 7.3-11/7.3-12
 7.3-15/7.3-16
 7.3-17/7.3-18
 7.3-21/7.3-22
 7.4-3/7.4-4
 None
 7.4-7/7.4-8

7.1-11/7.1-12
 7.2-1/7.2-2
 7.2-7/7.2-8
 7.2-11/7.2-12
 7.2-25/7.2-26
 7.2-27/7.2-28
 7.2-35/7.2-36
 7.2-37/7.2-38
 7.3-3/7.3-4
 7.3-9/7.3-10
 7.3-11/7.3-12
 7.3-15/7.3-16
 7.3-17/7.3-18
 7.3-21/7.3-22
 7.4-3/7.4-4
 7.4 1A/7.4-4B
 7.4-7/7.4-8

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 7.5-15/7.5-16
 7.6-1/7.6-2
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 Figure 7.3-36
 Figure 7.3-38
 Figure 7.3-39
 Figure 7.3-44
 Figure 7.3-46
 Figure 7.3-52 Sheet 2
 Table 7.5-1 Sheet 5/Blank
 Table 7.5-2 Sheet 5/Blank
 Figure 7.7-18
 Figure 7.7-20
 Figure 7.7-24
 Figure 7.7-25
 Figure 7.7-26
 Figure 7.7-27
 Figure 7.7-28

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 7.6-1/7.6-2
 7.6-3/7.6-4
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 Figure 7.3-22
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 Figure 7.3-36
 Figure 7.3-38
 Figure 7.3-39
 Figure 7.3-44
 Figure 7.3-46
 Figure 7.3-52 Sheet 2
 Table 7.5-1 Sheet 5/Blank
 Table 7.5-2 Sheet 5/Blank
 Figure 7.7-18
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 Figure 7.7-24
 Figure 7.7-25
 Figure 7.7-26
 Figure 7.7-27
 Figure 7.7-28

CHAPTER 8

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 8.3-23/8.3-24
 8.3-27/8.3-28
 8.3-29/8.3-30
 8.3-41/8.3-42

8.3-3/8.3-4
 8.3-13/8.3-14
 8.3-15/8.3-16
 8.3-23/8.3-24
 8.3-27/8.3-28
 8.3-29/8.3-30
 8.3-41/8.3-42

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Figure 8.3-4
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 Figure 8.3-9
 Figure 8.3-10
 Figure 8.3-11
 Figure 8.3-12 Sheet 1
 Figure 8.3-12 Sheet 2
 Figure 8.3-12 Sheet 3
 Figure 8.3-12 Sheet 4
 Figure 8.3-13 Sheet 1
 Figure 8.3-13 Sheet 2
 Figure 8.3-13 Sheet 3
 Figure 8.3-17 Sheet 1
 Figure 8.3-20

Insert New Sheet (Front/Back)

Figure 8.3-4
 Figure 8.3-5
 Figure 8.3-9
 Figure 8.3-10
 Figure 8.3-11
 Figure 8.3-12 Sheet 1
 Figure 8.3-12 Sheet 2
 Figure 8.3-12 Sheet 3
 Figure 8.3-12 Sheet 4
 Figure 8.3-13 Sheet 1
 Figure 8.3-13 Sheet 2
 Figure 8.3-13 Sheet 3
 Figure 8.3-17 Sheet 1
 Figure 8.3-20

CHAPTER 9

v111/Blank
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 x/Blank
 9.1-5/9.1-6
 9.1-29/9.1-30
 9.2-9/9.2-10
 9.2-11/9.2-12
 9.2-17/9.2-18
 9.2-23/9.2-24
 9.2-27/9.2-28
 9.2-29/9.2-30
 9.2-31/9.2-32
 9.3-1/9.3-2
 9.3-11/9.3-12
 9.3-13/9.3-14
 9.3-17/9.3-18
 9.3-21/9.3-22
 9.3-25/9.3-26
 9.3-53/9.3-54
 9.3-59/Blank
 9.4-3/9.4-4
 9.4-5/9.4-6
 9.4-11/9.4-12
 None
 9.4-13/9.4-14

v111/Blank
 1x/Blank
 x/Blank
 9.1-5/9.1-6
 9.1-29/9.1-30
 9.2-9/9.2-10
 9.2-11/9.2-12
 9.2-17/9.2-18
 9.2-23/9.2-24
 9.2-27/9.2-28
 9.2-29/9.2-30
 9.2-31/9.2-32
 9.3-1/9.3-2
 9.3-11/9.3-12
 9.3-13/9.3-14
 9.3-17/9.3-18
 9.3-21/9.3-22
 9.3-25/9.3-26
 9.3-53/9.3-54
 9.3-59/Blank
 9.4-3/9.4-4
 9.4-5/9.4-6
 9.4-11/9.4-12
 9.4-12A/9.4-12B
 9.4-13/9.4-14

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9.4-15/9.4-16
 9.4-27/9.4-28
 9.4-35/9.4-36
 9.4-47/9.4-48
 9.5-15/9.5-16
 9.5-19/9.5-20
 9.5-21/9.5-22
 9.5-23/9.5-24
 9.5-25/9.5-26
 9.5-29/Blank
 Figure 9.2-1
 Figure 9.2-19
 Table 9.3-3/Blank
 Figure 9.3-1

 Figure 9.3-2
 Figure 9.3-3 Sheet 1
 Figure 9.3-3 Sheet 2
 Figure 9.3-4 Sheet 1
 Figure 9.3-4 Sheet 2
 Figure 9.3-4 Sheet 3
 Figure 9.3-4 Sheet 4
 Table 9.4-1 Sheets 1/2
 Table 9.4-2 Sheets 1/2
 Table 9.4-5/Blank
 Table 9.4-6/Blank
 Figure 9.5-5
 Figure 9.5-6
 Figure 9.5-7
 Figure 9.5-9
 Figure 9.5-10
 Figure 9.5-11

CHAPTER 10

11/Blank
 10.1-1/10.1-2
 10.3-1/10.3-2
 10.3-3/10.3-4
 10.3-5/Blank
 10.4-3/10.4-4
 10.4-7/10.4-8

Insert New Sheet (Front/Back)

9.4-15/9.4-16
 9.4-27/9.4-28
 9.4-35/9.4-36
 9.4-47/9.4-48
 9.5-15/9.5-16
 9.5-19/9.5-20
 9.5-21/9.5-22
 9.5-23/9.5-24
 9.5-25/9.4-26
 9.5-29/Blank
 Figure 9.2-1 Deleted Sheet/Blank
 Figure 9.2-19
 Table 9.3-3/Blank
 Figures 9.3-1, 9.3-2, 9.3-3, and 9.3-4
 Deleted Sheet/Blank
 None
 None
 None
 None
 None
 None
 None
 Table 9.4-1 Sheets 1/2
 Table 9.4-2 Sheets 1/2
 Table 9.4-5 Sheets 1/2
 Table 9.4-6 Sheets 1/2
 Figure 9.5-5
 Figure 9.5-6
 Figure 9.5-7 Deleted Sheet/Blank
 Figure 9.5-9
 Figure 9.5-10
 Figure 9.5-11

11/Blank
 10.1-1/10.1-2
 10.3-1/10.3-2
 10.3-3/10.3-4
 10.3-5/Blank
 10.4-3/10.4-4
 10.4-7/10.4-8

Remove Old Sheet (Front/Back)

10.4-11/10.4-12
 10.4-17/10.4-18
 Figure 10.3-4
 Figure 10.3-5

Insert New Sheet (Front/Back)

10.4-11/10.4-12
 10.4-17/10.4-18
 Figure 10.3-4
 Figure 10.3-5

CHAPTER 11

v1/Blank
 1x/Blank
 x/Blank
 x1/Blank
 11.2-5/11.2-6
 11.2-7/11.2-8
 11.2-9/11.2-10
 11.3-1/11.3-2
 11.3-3/11.3-4
 11.3-5/11.3-6
 11.3-7/11.3-8
 11.3-9/11.3-10
 11.3-11/Blank
 11.4-1/11.4-2
 11.4-7/11.4-8
 11.4-15/11.4-16
 11.4-17/11.4-18
 11.6-1/11.6-2
 11.6-3/11.6-4
 11.6-5/11.6-6
 11.6-7/Blank
 Table 11.2-10 Sheets 1/2
 Table 11.2-10 Sheet 3/Blank
 Table 11.2-12/Blank
 Figure 11.2-5
 Table 11.3-10/Blank
 Table 11.3-11/Blank
 Table 11.3-12/Blank
 Figure 11.3-1

 Figure 11.3-2
 Figure 11.3-3
 Table 11.4-1 Sheets 1/2
 Table 11.4-1 Sheets 3/4
 Table 11.4-1 Sheets 5/6

v1/Blank
 1x/Blank
 x/Blank
 x1/Blank
 11.2-5/11.2-6
 11.2-7/11.2-8
 11.2-9/11.2-10
 11.3-1/11.3-2
 11.3-3/11.3-4
 11.3-5/11.3-6
 11.3-7/11.3-8
 11.3-9/11.3-10
 11.3-11/Blank
 11.4-1/11.4-2
 11.4-7/11.4-8
 11.4-15/11.4-16
 11.4-17/11.4-18
 11.6-1/11.6-2
 11.6-3/11.6-4
 11.6-5/11.6-6
 11.6-7/Blank
 Table 11.2-10 Sheets 1/2
 Table 11.2-10 Sheet 3/Blank
 Table 11.2-12 Deleted Sheet/Blank
 Figure 11.2-5 Deleted Sheet/Blank
 Table 11.3-10/Blank
 Table 11.3-11/Blank
 Table 11.3-12/Blank
 Figures 11.3-1, 11.3-2, and 11.3-3 Deleted
 Sheet/Blank
 None
 None
 Table 11.4-1 Sheets 1/2
 Table 11.4-1 Sheets 3/4
 Table 11.4-1 Sheets 5/6

Remove Old Sheet (Front/Back)

Figure 11.4-1 Sheet 2
 Table 11.6-1 Sheets 1/2
 None
 Table 11.6-2/Blank
 Table 11/6-3 Sheets 1/2
 Table 11.6-4 Sheets 1/2
 Table 11.6-4 Sheet 3/Blank
 None
 None
 None
 Table 11.6-5/Blank

Table 11.6-6/Blank
 Table 11.6-7/Blank
 Table 11.6-8/Blank
 Table 11.6-9/Blank
 Table 11.6-10 Sheets 1/2
 Table 11.6-11 Sheets 1/2
 Figure 11.6-1
 Figure 11.6-2

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Figure 11.4-1 Sheet 2
 Table 11.6-1 Sheets 1/2
 Table 11.6-1 Sheet 3/Blank
 Table 11.6-2 Deleted Sheet/Blank
 Table 11.6-3 Sheets 1/2
 Table 11.6-4 Sheets 1/2
 Table 11.6-4 Sheets 3/4
 Table 11.6-4 Sheets 5/6
 Table 11.6-4 Sheets 7/8
 Table 11.6-4 Sheet 9/Blank
 Tables 11.6-5, 11.6-6, 11.6-7, 11.6-8 and
 11.6-9 Deleted Sheet/Blank
 None
 None
 None
 None
 Table 11.6-10/Blank
 Table 11.6-11 Sheets 1/2
 Figure 11.6-1
 Figure 11.6-2

CHAPTER 12

12.1-11/Blank
 12.3-3/12.3-4
 12.3-5/12.3-6
 Table 12.3-1 Sheets 1/2
 Table 12.3-1 Sheets 3/4
 Table 12.3-1 Sheet 5/Blank
 Table 12.3-2 Sheets 1/2
 Table 12.3-3 Sheets 1/2
 Table 12.3-3 Sheet 3/Blank

12.1-11/Blank
 12.3-3/12.3-4
 12.3-5/12.3-6
 Table 12.3-1 Sheets 1/2
 Table 12.3-1 Sheet 3/Blank
 None
 Table 12.3-2/Blank
 Table 12.3-3/Blank
 None

CHAPTER 13

iv/Blank
 13.1-1/13.1-2
 13.1-3/13.1-4
 13.1-5/13.1-6
 None
 13.1-7/13.1-8

iv/Blank
 13.1-1/13.1-2
 13.1-3/13.1-4
 13.1-5/13.1-6
 13.1-6A/13.1-6B
 13.1-7/13.1-8

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13.1-9/13.1-10
 13.1-11/13.1-12
 None
 13.1-13/13.1-14
 13.1-15/13.1-16
 13.2-5/13.2-6
 13.2-9/13.2-10
 13.2-11/13.2-12
 13.2-15/Blank
 13.3-1/Blank
 13.4-1/13.4-2
 13.4-3/13.4-4
 13.5-1/13.5-2
 Figure 13.1-1 (Left)
 Figure 13.1-1 (Right)
 Figure 13.1-2
 Figure 13.1-3
 None
 13.1A-1/13.1A-2
 13.1A-3/13.1A-4
 13.1A-5/13.1A-6
 None
 13.1A-7/13.1A-8
 None
 13.1A-9/13.1A-10
 13.1A-11/13.1A-12
 None
 13.1A-13/13.1A-14
 None
 13.1A-15/13.1A-16
 13.1A-17/13.1A-18
 13.1A-19/13.1A-20
 13.1A-21/13.1A-21
 13.1A-23/13.1A-24
 None
 13.1A-25/13.1A-26
 13.1A-27/Blank
 13.1B-1/13.1B-2
 13.1B-3/13.1B-4
 None
 13.1B-5/13.1B-6
 None
 13.1B-7/13.1B-8

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13.1-9/13.1-10
 13.1-11/13.1-12
 13.1-12A/13.1-12B
 13.1-13/13.1-14
 13.1-15/13.1-16
 13.2-5/13.2-6
 13.2-9/13.2-10
 13.2-11/13.2-12
 13.2-15/Blank
 13.3-1/Blank
 13.4-1/13.4-2
 13.4-3/13.4-4
 13.5-1/13.5-2
 Figure 13.1-1 (Left)
 Figure 13.1-1 (Right)
 Figure 13.1-2
 Figure 13.1-3
 Figure 13.1-4
 13.1A-1/13.1A-2
 13.1A1-1/13.1A1-2
 13.1A1-3/13.1A1-4
 13.1A1-5/Blank
 13.1A2-1/13.1A2-2
 13.1A2-3/Blank
 13.1A3-1/13.1A3-2
 13.1A3-3/13.1A3-4
 13.1A3-5/Blank
 13.1A4-1/13.1A4-2
 13.1A4-3/Blank
 13.1A5-1/13.1A5-2
 13.1A6-1/13.1A6-2
 13.1A7-1/13.1A7-2
 13.1A8-1/13.1A8-2
 13.1A9-1/13.1A9-2
 13.1A9-3/Blank
 13.1A10-1/13.1A10-2
 None
 13.1B-1/13.1B-2
 13.1B1-1/13.1B1-2
 13.1B1-3/Blank
 13.1B2-1/13.1B2-2
 13.1B2-3/Blank
 13.1B3-1/13.1B3-2

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13.189/13.18-10
 13.18-11/13.18-12
 13.18-13/13.18-14
 13.18-15/13.18-16
 None
 13.18-17/13.18-18
 13.18-19/13.18-20
 None
 13.18-21/13.18-22
 None
 13.18-23/13.18-24
 13.18-25/13.18-26
 13.18-27/13.18-28
 13.18-29/13.18-30
 13.18-31/13.18-32
 13.18-33/13.18-34
 13.18-35/13.18-36
 None
 13.18-37/13.18-38
 13.18-39/13.18-40
 None
 13.18-41/13.18-42
 None
 13.18-43/13.18-44
 None

Insert New Sheet (Front/Back)

13.183-3/13.183-4
 13.184-1/13.184-2
 13.184-3/13.184-4
 13.185-1/13.185-2
 13.185-3/Blank
 13.186-1/13.186-2
 13.187-1/13.187-2
 13.187-3/Blank
 13.188-1/13.188-2
 13.188-3/Blank
 13.189-1/13.189-2
 13.189-3/13.189-4
 13.1810-1/13.1810-2
 13.1810-3/13.1810-4
 13.1811-1/13.1811-2
 13.1811-3/13.1811-4
 13.1812-1/13.1812-2
 13.1812-3/Blank
 13.1813-1/13.1813-2
 13.1814-1/13.1814-2
 13.1814-3/Blank
 13.1815-1/13.1815-2
 13.1815-3/Blank
 13.1816-1/13.1816-2
 13.1816-3/Blank

CHAPTER 14

14.1-11/Blank
 14.2-5/14.2-6
 Table 14.1-1 Sheets 1/2
 Table 14.1-2 Sheets 5/6
 Figure 14.1-1 Sheet 4

14.1-11/Blank
 14.2-5/14.2-6
 Table 14.1-1 Sheets 1/2
 Table 14.1-2 Sheets 5/6
 Figure 14.1-1 Sheet 4

CHAPTER 15

x111/Blank
 15.1-13/15.1-14
 15.2-19/15.2-20
 15.2-29/15.2-30
 15.2-31/15.2-32

x111/Blank
 15.1-13/15.1-14
 15.2-19/15.2-20
 15.2-29/15.2-30
 15.2-31/15.2-32

Remove Old Sheet (Front/Back)

15.2-41/Blank
 15.3-11/Blank
 15.4-15/15.4-16
 15.4-39/15.4-40
 15.5-51/Blank
 None

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15.2-41/Blank
 15.3-11/Blank
 15.4-15/15.4-16
 15.4-39/15.4-40
 15.5-51/Blank
 Figure 15.2-41

CHAPTER 17

17.1-1/17.1-2
 17.1-3/17.1-4
 17.1-5/17.1-6
 17.1-7/17.1-8
 17.1-9/17.1-10
 17.2-1/17.2-2
 17.2-3/Blank
 17.3-1/17.3-2
 17.3-3/Blank
 17.4-1/Blank
 17.5-1/17.5-2
 17.6-1/Blank
 17.7-1/17.7-2
 17.8-1/Blank
 17.9-1/Blank
 17.10-1/17.10-2
 17.11-1/Blank
 17.12-1/17.12-2
 17.15-1/17.15-2
 17.16-1/blank
 17.17-1/Blank
 17.18-1/17.18-2
 Figure 17.1-1
 Figure 17.1-2
 Table 17.2 Sheets 1/2
 Table 17.2 Sheets 3/4

17.1-1/17.1-2
 17.1-3/17.1-4
 17.1-5/17.1-6
 17.1-7/17.1-8
 17.1-9/17.1-10
 17.2-1/17.2-2
 17.2-3/Blank
 17.3-1/17.3-2
 17.3-3/Blank
 17.4-1/Blank
 17.5-1/Blank
 17.6-1/Blank
 17.7-1/17.7-2
 17.8-1/Blank
 17.9-1/Blank
 17.10-1/17.10-2
 17.11-1/Blank
 17.12-1/17.12-2
 17.15-1/17.15-2
 17.16-1/Blank
 17.17-1/Blank
 17.18-1/17.18-2
 Figure 17.1-1
 Figure 17.1-2
 Table 17.2 Sheets 1/2
 Table 17.2 Sheets 3/4

