SERVICE MANUAL

WHEELED EXCAVATOR
JCB Hydradig 110W

EN - 9813/8250
ISSUE 1 - 01/2017

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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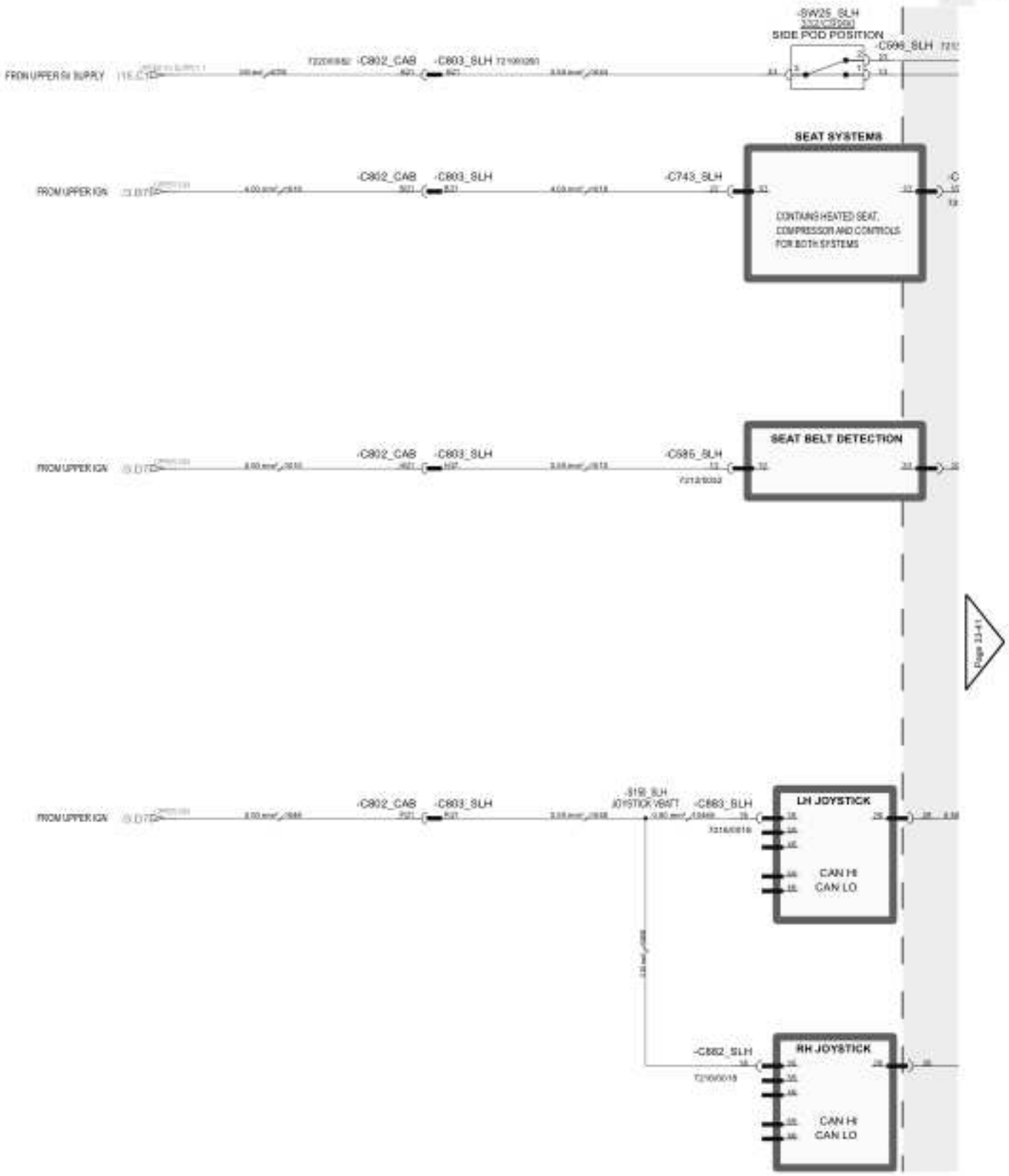
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Table 223. Excessive heat generation

Cause	Remedy
Motor has burned or damaged sliding parts	Replace the motor assembly
Reduction gears damaged	Replace the gears
Bearings damaged	Replace the bearings

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Figure 718. (Part 1 of 2)



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Technical Data

Table 277. Specifications

Thread Diameter	Outside Diameter	Material Thickness	Total Rivet Length	Drill Hole Diameter
mm	mm (inch)	mm (inch)	mm (inch)	mm (inch)
M5	7	0.25–3	14	7.1
M5	7	3–5.5	17	7.1
M6	9	0.5–3	16	9.1
M6	9	3–5.5	19	9.1
M8	11	0.5–3	18	11.1
M8	11	3–5.5	21	11.1
M10	13	1–3.5	23	13.1
M10	13	3.5–6	26	13.1

Remove and Install

Consumables

Description	Part No.	Size
Threaded Insert (M10 x 23mm)	826/01104	-
Threaded Insert (M10 x 26mm)	826/01105A	-
Threaded Insert (M6 x 16mm)	826/01099	-
Threaded Insert (M6 x 19mm)	826/01101	-
Threaded Insert (M8 x 18mm)	826/01102	-
Threaded Insert (M8 x 21mm)	826/01103	-

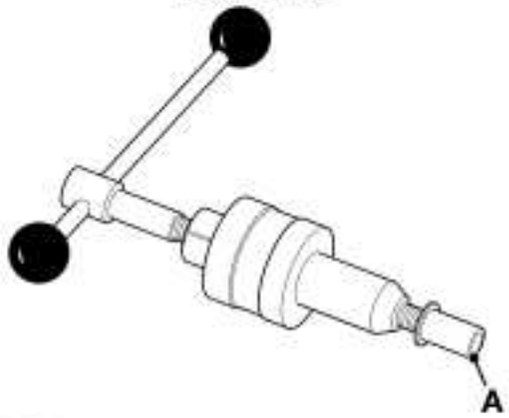
The Threaded insert installation tool is available from Bolhoff Fastenings Ltd. www.bolhoff.com.

Install

1. Drill a hole in the machine body/framework where the threaded insert is to be installed, refer to technical data for the correct size.
2. De-burr the hole edges.
3. Screw the threaded insert on to the mandrel of the installation tool. The bottom of the mandrel should be in line with the bottom of the threaded insert.

   Consumable: Threaded Insert (M6 x 16mm)
   Consumable: Threaded Insert (M6 x 19mm)
   Consumable: Threaded Insert (M8 x 18mm)
   Consumable: Threaded Insert (M8 x 21mm)
   Consumable: Threaded Insert (M10 x 23mm)
   Consumable: Threaded Insert (M10 x 26mm)

Figure 959.



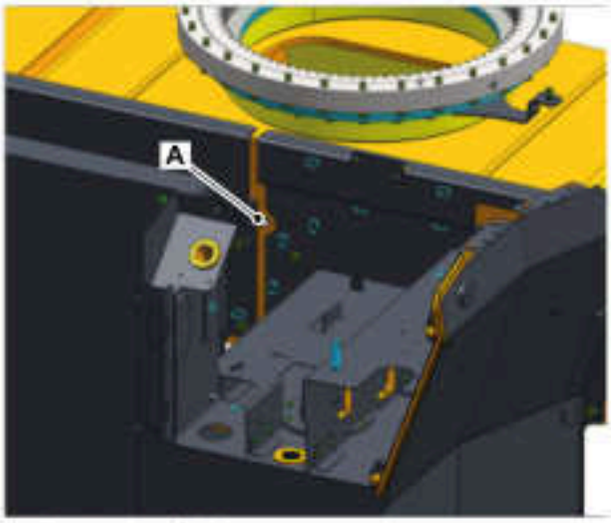
A Threaded insert

4. Wind the body of the installation tool down the threaded mandrel until it touches the head of the threaded insert.

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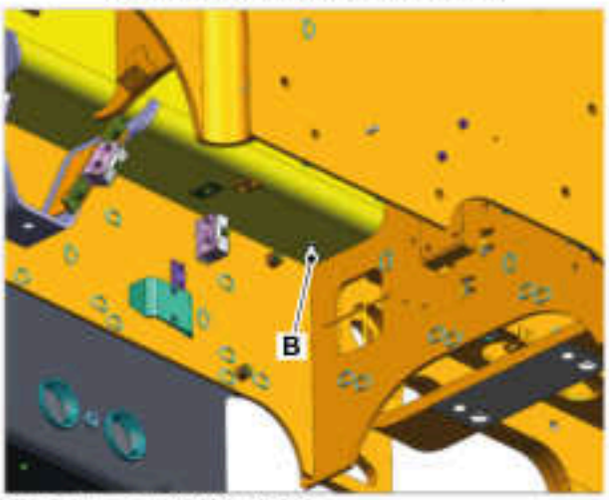
Component Identification

Figure 735. Lower Chassis Earth Point - Left Hand Pod



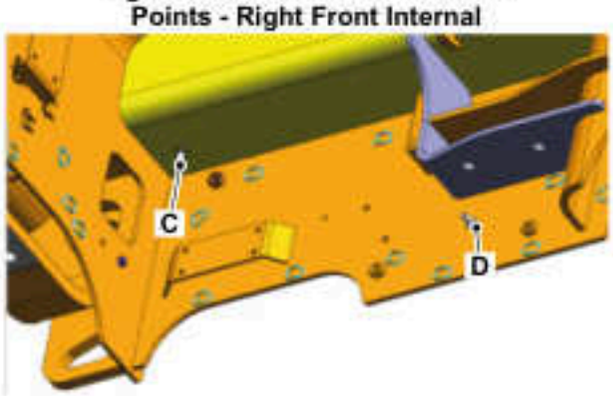
A Earth point C902

Figure 736. Lower Chassis Earth Point - Left Front Internal



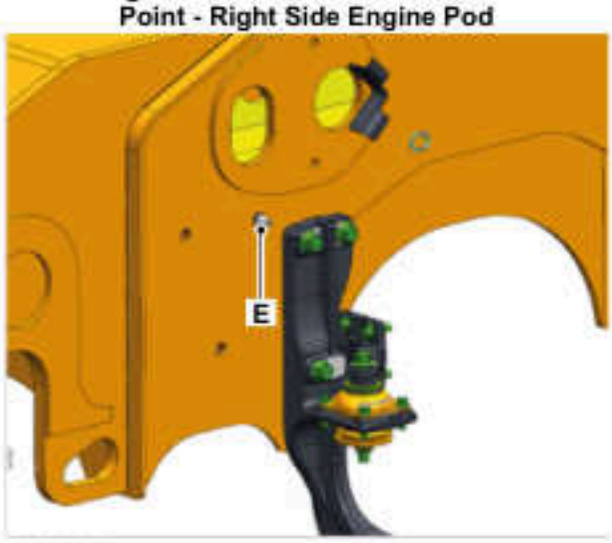
B Earth point C760, C881

Figure 737. Lower Chassis Earth Points - Right Front Internal



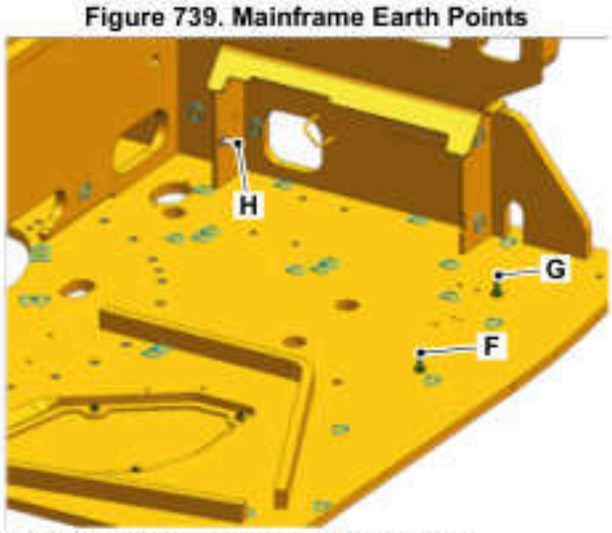
C Earth point C753, C738
D Earth point C737, C752, C745

Figure 738. Lower Chassis Earth Point - Right Side Engine Pod



E C901

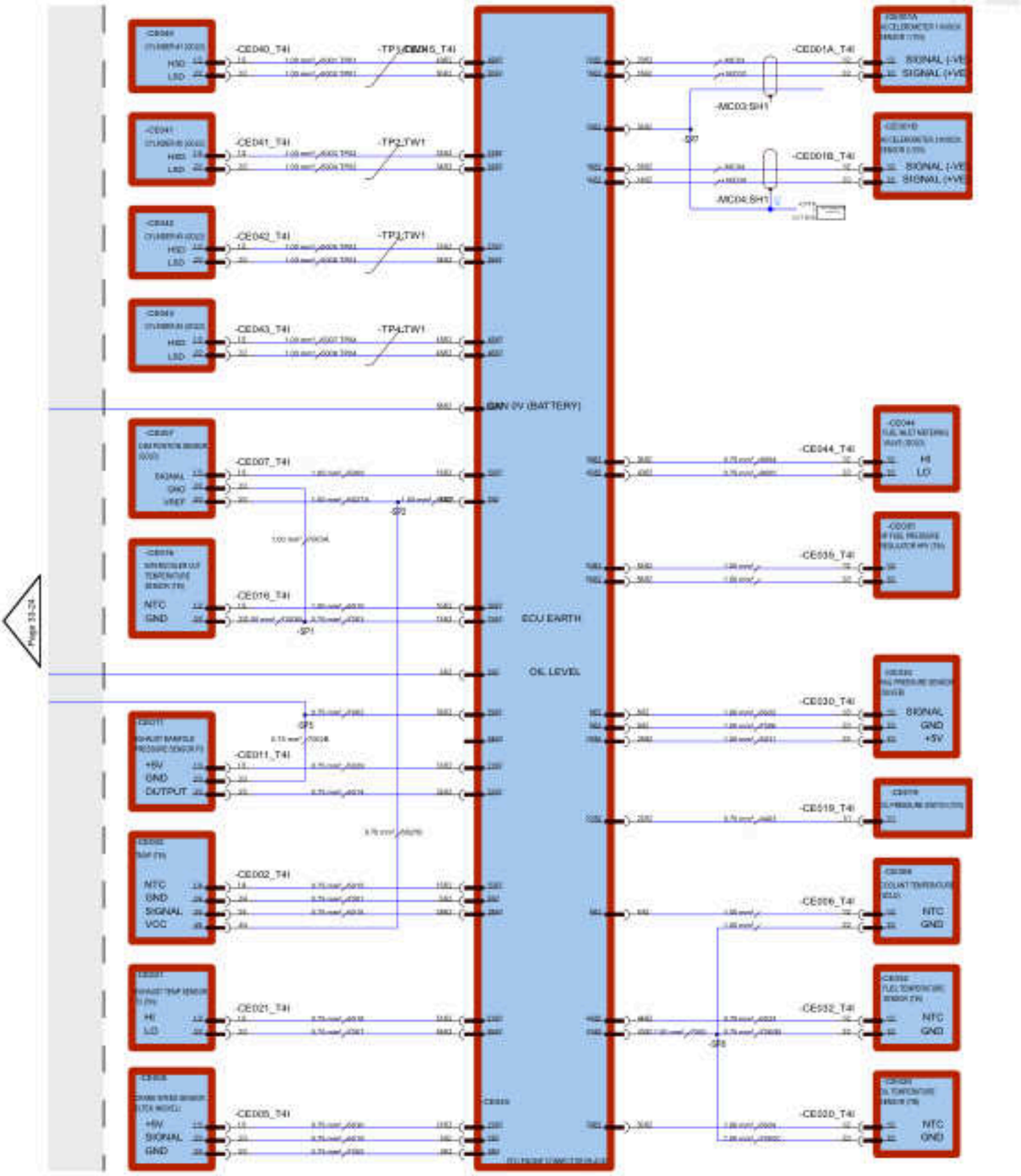
Figure 739. Mainframe Earth Points



F Earth connection to operator station
G Earth point C872, C873
H Earth point C867, C868, C869, C870, C871

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Figure 714. (Part 2 of 2)



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