



AIRCRAFT MAINTENANCE MANUAL

LANDING GEAR ELECTRICAL HARNESS AND WIRES - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This procedure shows the location of the electrical harness and wires for the main and nose landing gear.
- B. This procedure also supplies the data necessary to identify the electrical harness and wires for the landing gear.
- C. This procedure does not supply instructions to repair the electrical harness and wires or electrical connectors for the landing gear. Refer to WM 20-21-00 for instructions to repair the electrical harness and wires. Refer to WM 20-50-00 for the instructions to repair the electrical connectors.
- D. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
32-00-03-800-801-A	LANDING GEAR ELECTRICAL HARNESS AND WIRES - LOCATION AND PART DATA	ALL



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TASK 32-00-03-800-801-A

EFFECTIVITY: ALL

2. LANDING GEAR ELECTRICAL HARNESS AND WIRES - LOCATION AND PART DATA

A. General

- (1) The landing gear has eight groups of electrical harness and wires:
 - (a) Wheel speed transducer.
 - (b) Brake temperature monitoring.
 - (c) Uplock proximity switch.
 - (d) Downlock proximity switch.
 - (e) Air/Ground (WOW) proximity switch.
 - (f) Steering sensors.
 - (g) Nose landing gear lights.
 - (h) Electrical bonding landing gear/aircraft.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 32-10-08-400-801-A/400	TRAILING ARM OF THE MAIN LANDING GEAR - INSTALLATION
AMM TASK 32-41-03-400-801-A/400	WHEEL SPEED TRANSDUCER - INSTALLATION
AMM TASK 32-47-01-400-801-A/400	TEMPERATURE SENSORS - INSTALLATION
AMM TASK 32-50-06-400-801-A/400	7-DEGREE PROXIMITY SWITCH - INSTALLATION
AMM TASK 32-50-07-400-801-A/400	FEEDBACK UNIT (POTENTIOMETER) - INSTALLATION
AMM TASK 32-61-01-400-801-A/400	UPLOCK PROXIMITY SWITCH - INSTALLATION
AMM TASK 32-61-02-400-801-A/400	DOWNLOCK PROXIMITY SWITCH - INSTALLATION
AMM TASK 32-63-01-400-801-A/400	AIR/GROUND (WOW) PROXIMITY SWITCH OF MLG - INSTALLATION
AMM TASK 32-63-02-400-801-A/400	AIR/GROUND (WOW) PROXIMITY SWITCH OF NLG - INSTALLATION
AMM TASK 33-41-02-400-802-A/400	LANDING LIGHT ASSEMBLY - INSTALLATION
AMM TASK 33-42-02-400-802-A/400	NOSE-LANDING-GEAR TAXI LIGHT ASSEMBLY - INSTALLATION

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

Not Applicable

I. Location of Electrical Harness and Wires on the Landing Gear

SUBTASK 800-002-A

(1) Wheel speed transducer:

NOTE: Procedure to install the wheel speed transducer **AMM TASK 32-41-03-400-801-A/400.**

(a) The harness W514 is installed on the MLG leg, and fixed through the clamps, ([Figure 201](#)), ([Figure 202](#)) and ([Figure 203](#)).

(b) Procedure to install the wires of the wheel speed transducer into the landing gear **AMM TASK 32-10-08-400-801-A/400.**

(2) Brake temperature sensors:

NOTE: Procedure to install the brake temperature sensors **AMM TASK 32-47-01-400-801-A/400.**

(a) The harness W512 is installed on the MLG LH and on the MLG RH, and both are fixed through the clamps and tie-down straps ([Figure 201](#)), ([Figure 202](#)) and ([Figure 203](#)).

(3) Proximity sensors:

(a) Uplock sensors:

NOTE: Procedure to install the uplock proximity sensor **AMM TASK 32-61-01-400-801-A/400.**

1 Main landing gear:

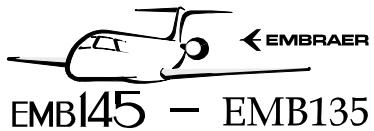
a The harness W502 and W508 are installed on the MLG uplock box ([Figure 201](#)) and ([Figure 202](#)).

2 Nose landing gear:

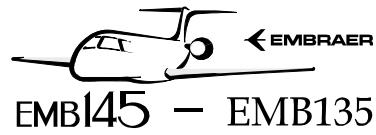
a The harness W012 and W014 are installed on the NLG uplock box ([Figure 204](#)).

(b) Downlock Sensor:

NOTE: Procedure to install the downlock proximity sensor **AMM TASK 32-61-02-400-801-A/400.**



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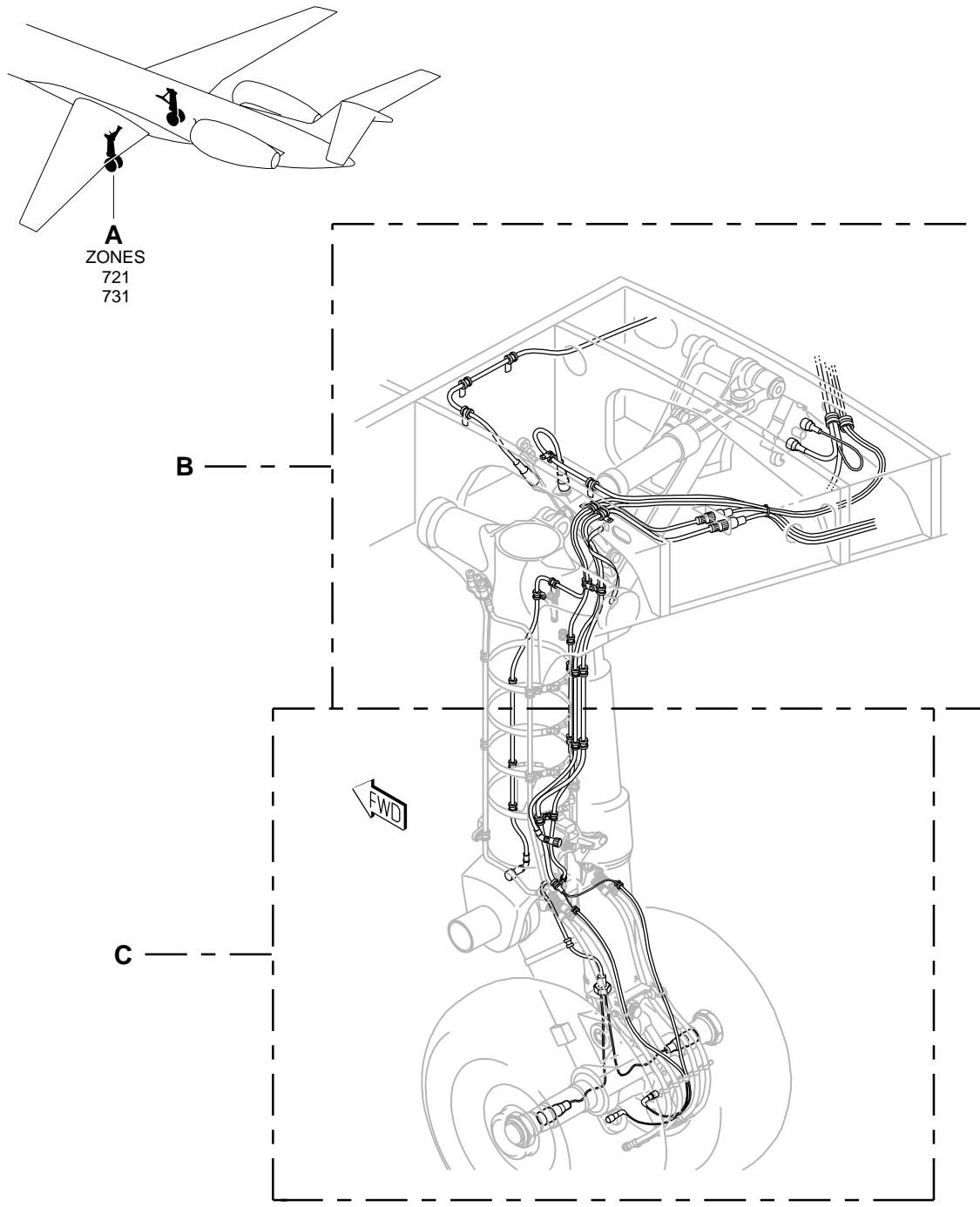


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(b) Nose landing gear:

- 1 The bondings are installed on NLG ([Figure 204](#)) DET. B.

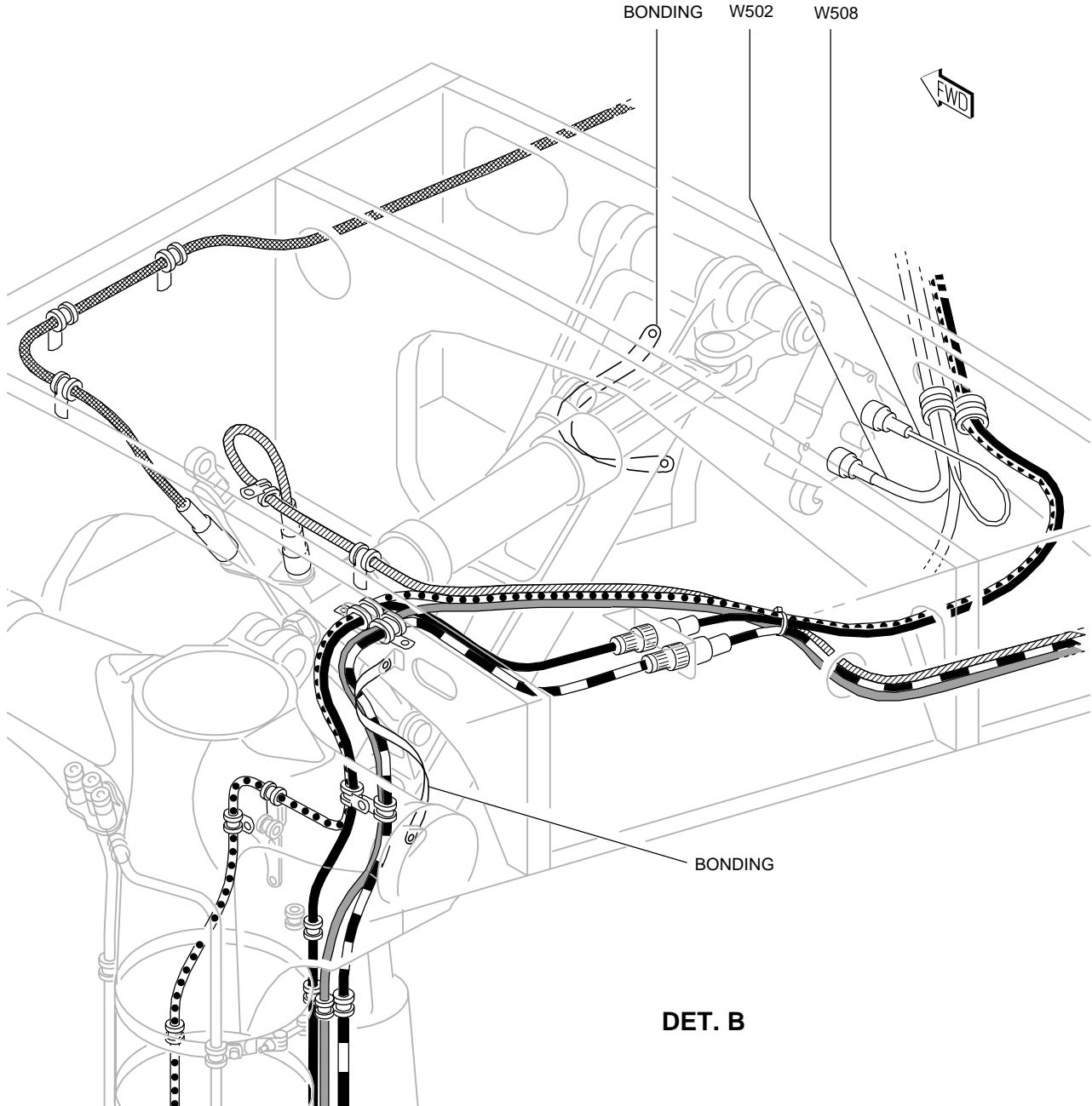
EFFECTIVITY: ALL
Main Landing Gear
Figure 201



DET. A

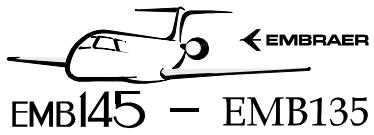
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EFFECTIVITY: ALL
 Main Landing Gear - Upper
 Figure 202



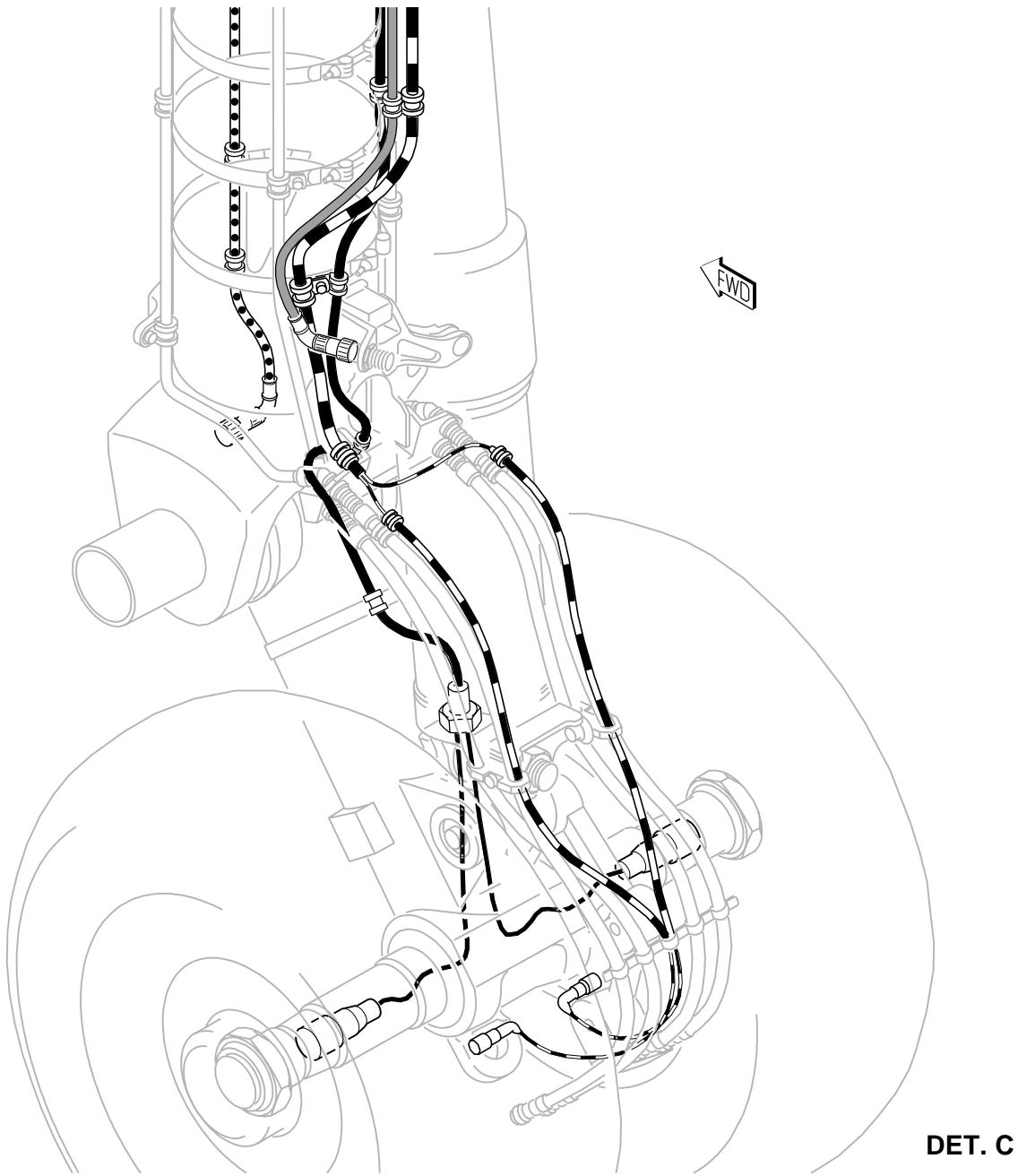
- | | |
|---------------|----------------------|
| ● ● ● ● ● ● ● | W509 |
| ■ ■ ■ ■ ■ ■ ■ | W510 |
| ■ ■ ■ ■ ■ ■ ■ | W512 (LH) AND (RH) |
| ■ ■ ■ ■ ■ ■ ■ | W514 |
| ■ ■ ■ ■ ■ ■ ■ | W511 |
| ■ ■ ■ ■ ■ ■ ■ | W503 OR W603 OR W513 |

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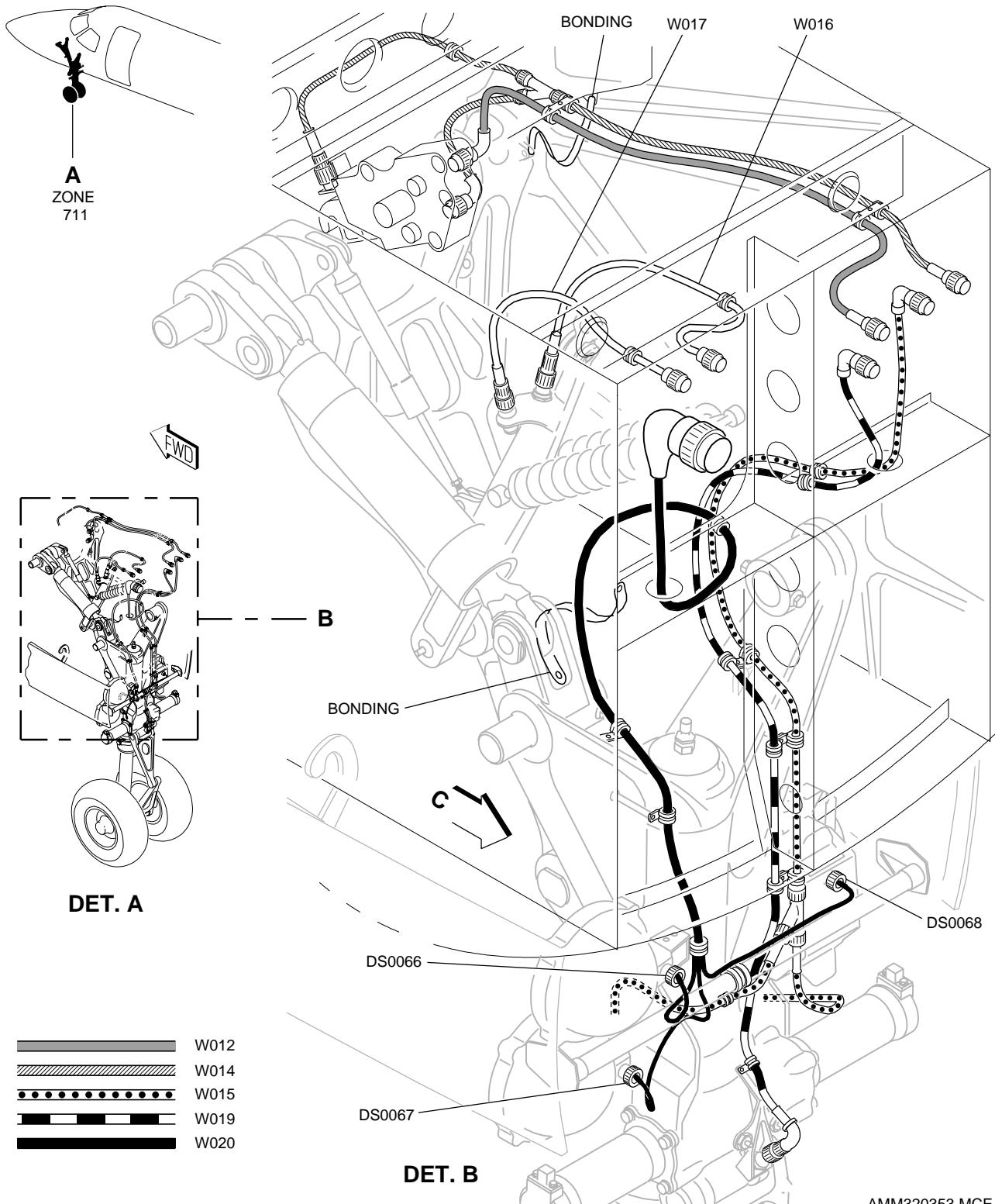
EFFECTIVITY: ALL
Main Landing Gear - Lower
Figure 203



	W509
	W510
	W512 (LH) AND (RH)
	W514
	W511
	W503 OR W603 OR W513

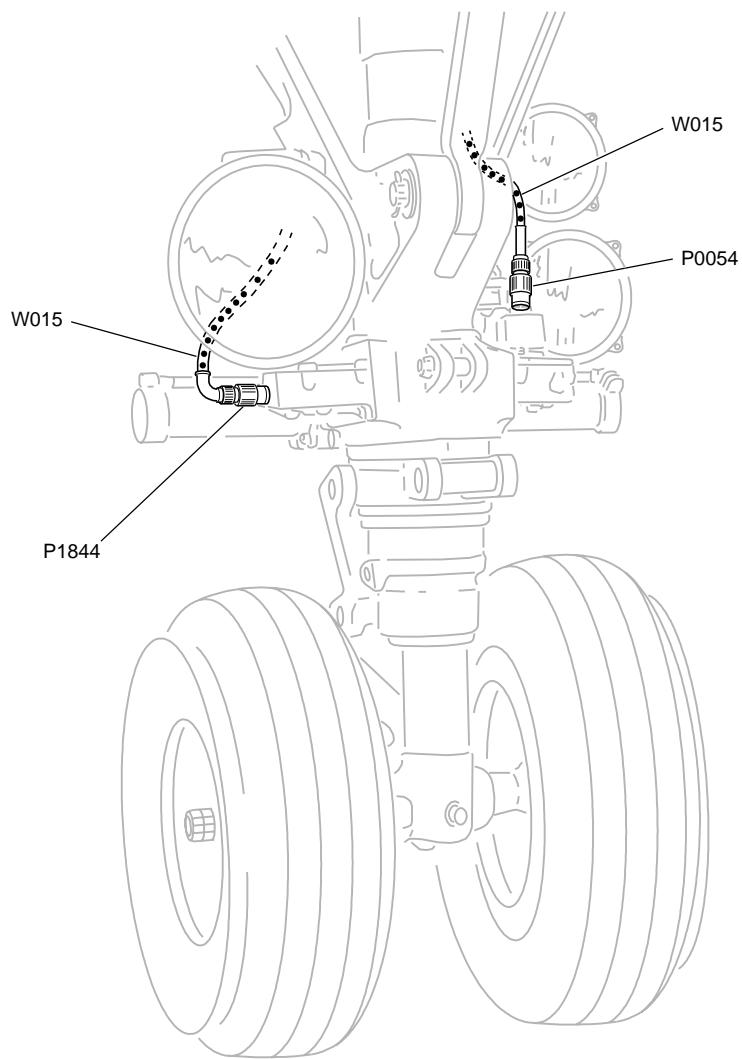
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EFFECTIVITY: ALL
Nose Landing Gear - Upper
Figure 204



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EFFECTIVITY: ALL
Nose Landing Gear - Lower
Figure 205



VIEW C

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