**ON A/C ALL

TASK 32−60−00−810−801
WT ON WHEELS (Caution) − Fault Isolation

1. General

   A. This fault isolation procedure is for when the WT ON WHEELS caution light on the Caution and Warning Panel (CAWP) comes on.

   B. The CAWP shows the WT ON WHEELS caution light for the conditions that follow:

      – The Weight−On−Wheels 1 (WOW1) and WOW2 calculations are different
      – One proximity sensor in each channel has malfunctioned
      – Nosewheel over travel of more than 120 degrees
      – NLG OLEO failed to extend − full piston extension
      – Worn NLG pivot pin bushings causing a WOW mismatch (one applicable sensor NEAR and the opposite VALID sensor FAR).

   C. The Proximity Sensor Electronic Unit (PSEU) can show the related messages that follow:

      – PSEU CHAN A FAIL CHANNEL INOP
      – PSEU CHAN A FAIL SIG COND 01 FAIL
      – PSEU CHAN A FAIL SIG COND 02 FAIL
      – PSEU CHAN A FAIL SIG COND 03 FAIL
      – PSEU CHAN A FAIL SIG COND 04 FAIL
      – PSEU CHAN A FAIL SIG COND 05 FAIL
      – PSEU CHAN A FAIL SIG COND 06 FAIL
      – PSEU CHAN A FAIL SIG COND 07 FAIL
      – PSEU CHAN A FAIL SIG COND 08 FAIL
      – PSEU CHAN A DOT13A FAIL
      – DOT13A LOAD FAULT
      – DOT13A OVERCURRENT FAULT
      – PSEU CHAN E FAIL CHANNEL INOP
      – PSEU CHAN E FAIL SIG COND 01 FAIL
      – PSEU CHAN E FAIL SIG COND 02 FAIL
      – PSEU CHAN E FAIL SIG COND 03 FAIL
      – PSEU CHAN E FAIL SIG COND 04 FAIL
      – PSEU CHAN E FAIL SIG COND 05 FAIL
      – PSEU CHAN E FAIL SIG COND 06 FAIL

– PSEU CHAN E FAIL SIG COND 07 FAIL
– PSEU CHAN E FAIL SIG COND 08 FAIL
– PSEU CHAN E DOT13E FAIL
– DOT13E OVERCURRENT FAULT
– RGWOW1 FAULT UNREASONABLE FAR
– RGWOW1 FAULT UNREASONABLE NEAR
– RGWOW2 FAULT UNREASONABLE FAR
– RGWOW2 FAULT UNREASONABLE NEAR
– LGWOW1 FAULT UNREASONABLE FAR
– LGWOW1 FAULT UNREASONABLE NEAR
– LGWOW2 FAULT UNREASONABLE FAR
– LGWOW2 FAULT UNREASONABLE NEAR
– NGWOFW1 FAULT UNREASONABLE FAR
– NGWOFW1 FAULT UNREASONABLE NEAR
– NGWOFW2 FAULT UNREASONABLE FAR
– NGWOFW2 FAULT UNREASONABLE NEAR.

2. Job Set−Up Information

Subtask 32−60−00−946−001

A. Reference Information

REFERENCE	DESIGNATION
AMM TASK 12−10−32−210−801	Extension Check of the NLG Shock Strut
AMM TASK 12−10−32−210−802	Extension Check of the MLG Shock Strut
AMM TASK 32−61−00−710−804	Operational Check of the Weight On Wheels (WOW) System
AMM TASK 32−61−00−742−801	Retrieval of Data from the Proximity Sensor Electronic Unit (PSEU)
AMM TASK 32−61−00−743−801	Erase the Data from the Proximity Sensor Electronic Unit (PSEU)
FIM TASK 32−61−01−810−802	PSEU CHAN A FAIL CHANNEL INOP (Status) − Fault Isolation
FIM TASK 32−61−01−810−803	PSEU CHAN A FAIL SIG COND (0X) FAIL (Status) − Fault Isolation
FIM TASK 32−61−01−810−807	PSEU CHAN E FAIL SIG COND (0X) FAIL (Status) − Fault Isolation

REFERENCE	DESIGNATION
FIM TASK 32−61−01−810−811	PSEU CHAN E FAIL CHANNEL INOP (Status) − Fault Isolation
FIM TASK 32−73−11−810−801	PSEU CHAN E FAIL DOT13E FAIL (Status) − Fault Isolation
FIM TASK 32−73−11−810−803	DOT13E OVERCURRENT FAULT (Status) − Fault Isolation
FIM TASK 32−73−11−810−804	PSEU CHAN A FAIL DOT13A FAIL (Status) − Fault Isolation
FIM TASK 32−73−11−810−805	DOT13A LOAD FAULT (Status) − Fault Isolation
FIM TASK 32−73−11−810−806	DOT13A OVERCURRENT FAULT (Status) − Fault Isolation
FIM TASK 32−73−11−810−827	NGWOFW1 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−828	NGWOFW2 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−829	LGWOW1 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−830	LGWOW2 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−831	RGWOW1 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−832	RGWOW2 FAULT UNREASONABLE FAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−839	NGWOFW1 FAULT UNREASONABLE NEAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−840	NGWOFW2 FAULT UNREASONABLE NEAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−841	LGWOW1 FAULT UNREASONABLE NEAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−842	LGWOW2 FAULT UNREASONABLE NEAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−843	RGWOW1 FAULT UNREASONABLE NEAR (Status) − Fault Isolation
FIM TASK 32−73−11−810−844	RGWOW2 FAULT UNREASONABLE NEAR (Status) − Fault Isolation

3. Fault Confirmation

Subtask 32−60−00−700−001

A. Confirm the fault as follows:

(1) Do the extension check of the MLG shock struts (Refer to AMM TASK 12−10−32−210−802).

(2) Do the extension check of the NLG shock strut (Refer to AMM TASK 12−10−32−210−801).

(3) On the PSEU, do the PSEU fault indication retrieval (Refer to AMM TASK 32−61−00−742−801).

(a) If there are no related status indications on the PSEU, then no maintenance procedure is necessary. Do the Close Out.

(b) If there is one or more related fault indication on the PSEU, do as follows:

1 Erase the data from the PSEU (Refer to AMM TASK 32−61−00−743−801).

2 Do the operational test of the weight−on−wheels system (Refer to AMM TASK 32−61−00−710−804).

3 Do the fault indication retrieval again (Refer to AMM TASK 32−61−00−742−801).

a If there are no related fault indications on the PSEU, then no maintenance procedure is necessary. Do the Close Out.

b If there is one or more related fault indication on the PSEU, do the Fault Isolation.

4. Fault Isolation

Subtask 32−60−00−810−001

A. Isolate the fault as follows:

(1) If the message is PSEU CHAN A FAIL CHANNEL INOP, do the fault isolation for PSEU CHAN A FAIL CHANNEL INOP (Refer to FIM TASK 32−61−01−810−802). Do the Close Out.

(2) If the message is PSEU CHAN A FAIL SIG COND 01 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 01 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(3) If the message is PSEU CHAN A FAIL SIG COND 02 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 02 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(4) If the message is PSEU CHAN A FAIL SIG COND 03 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 03 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(5) If the message is PSEU CHAN A FAIL SIG COND 04 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 04 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(6) If the message is PSEU CHAN A FAIL SIG COND 05 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 05 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(7) If the message is PSEU CHAN A FAIL SIG COND 06 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 06 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(8) If the message is PSEU CHAN A FAIL SIG COND 07 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 07 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(9) If the message is PSEU CHAN A FAIL SIG COND 08 FAIL, do the fault isolation for PSEU CHAN A FAIL SIG COND 08 FAIL (Refer to FIM TASK 32−61−01−810−803). Do the Close Out.

(10) If the message is PSEU CHAN A FAIL DOT13A FAIL, do the fault isolation for PSEU CHAN A FAIL DOT13A FAIL (Refer to FIM TASK 32−73−11−810−804). Do the Close Out.

(11) If the message is DOT13A LOAD FAULT, do the fault isolation for DOT13A LOAD FAULT (Refer to FIM TASK 32−73−11−810−805). Do the Close Out.

(12) If the message is DOT13A OVERCURRENT FAULT, do the fault isolation for DOT13A OVERCURRENT FAULT (Refer to FIM TASK 32−73−11−810−806). Do the Close Out.

(13) If the message is PSEU CHAN E FAIL CHANNEL INOP, do the fault isolation for PSEU CHAN E FAIL CHANNEL INOP (Refer to FIM TASK 32−61−01−810−811). Do the Close Out.

(14) If the message is PSEU CHAN E FAIL SIG COND 01 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 01 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(15) If the message is PSEU CHAN E FAIL SIG COND 02 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 02 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(16) If the message is PSEU CHAN E FAIL SIG COND 03 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 03 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(17) If the message is PSEU CHAN E FAIL SIG COND 04 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 04 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(18) If the message is PSEU CHAN E FAIL SIG COND 05 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 05 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(19) If the message is PSEU CHAN E FAIL SIG COND 06 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 06 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(20) If the message is PSEU CHAN E FAIL SIG COND 07 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 07 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(21) If the message is PSEU CHAN E FAIL SIG COND 08 FAIL, do the fault isolation for PSEU CHAN E FAIL SIG COND 08 FAIL (Refer to FIM TASK 32−61−01−810−807). Do the Close Out.

(22) If the message is PSEU CHAN E FAIL DOT13E FAIL, do the fault isolation for PSEU CHAN E FAIL DOT13E FAIL (Refer to FIM TASK 32−73−11−810−801). Do the Close Out.

(23) If the message is DOT13E OVERCURRENT FAULT, do the fault isolation for DOT13E OVERCURRENT FAULT (Refer to FIM TASK 32−73−11−810−803). Do the Close Out.

(24) If the message is RGWOW1 FAULT UNREASONABLE FAR, do the fault isolation for RGWOW1 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−831). Do the Close Out.

(25) If the message is RGWOW2 FAULT UNREASONABLE FAR, do the fault isolation for RGWOW2 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−832). Do the Close Out.

(26) If the message is LGWOW1 FAULT UNREASONABLE FAR, do the fault isolation for LGWOW1 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−829). Do the Close Out.

(27) If the message is LGWOW2 FAULT UNREASONABLE FAR, do the fault isolation for LGWOW2 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−830). Do the Close Out.

(28) If the message is NGWOFW1 FAULT UNREASONABLE FAR, do the fault isolation for NGWOFW1 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−827). Do the Close Out.

(29) If the message is NGWOFW2 FAULT UNREASONABLE FAR, do the fault isolation for NGWOFW2 FAULT UNREASONABLE FAR (Refer to FIM TASK 32−73−11−810−828). Do the Close Out.

(30) If the message is RGWOW1 FAULT UNREASONABLE NEAR, do the fault isolation for RGWOW1 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−843). Do the Close Out.

(31) If the message is RGWOW2 FAULT UNREASONABLE NEAR, do the fault isolation for RGWOW2 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−844). Do the Close Out.

(32) If the message is LGWOW1 FAULT UNREASONABLE NEAR, do the fault isolation for LGWOW1 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−841). Do the Close Out.

(33) If the message is LGWOW2 FAULT UNREASONABLE NEAR, do the fault isolation for LGWOW2 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−842). Do the Close Out.

(34) If the message is NGWOFW1 FAULT UNREASONABLE NEAR, do the fault isolation for NGWOFW1 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−839). Do the Close Out.

(35) If the message is NGWOFW2 FAULT UNREASONABLE NEAR, do the fault isolation for NGWOFW2 FAULT UNREASONABLE NEAR (Refer to FIM TASK 32−73−11−810−840). Do the Close Out.

5. Close Out

Subtask 32−60−00−941−001

A. Make sure that the CAWP does not show the WT ON WHEELS caution light.

B. Remove all tools, equipment, and unwanted materials from the work area.