

Right Body Gear Assembly

Log Number LG4
Debris Field Green
Target Number C105
Coordinates:
 Latitude _____
 Longitude _____

Right body gear assembly is attached to trunnion fittings. Trunnion fittings tore from fuselage structure. See RF-119 for description of attaching fuselage structure.

Outer cylinder to lower drag strut severed as shown on illustration. See RF-43 for additional description of lower drag strut, jury strut, and upper drag strut assemblies.

Outer cylinder gland nut became unattached allowing piston to separate from the outer cylinder. Outer cylinder cracked vertically in the thread area allowing gland nut to move away from outer cylinder.

Axle beam and connecting rods failed as shown on illustration.

Retract piston not attached to gear assembly.

Both outboard tires and the aft inboard tire are not attached. The outer hubs failed allowing tires to depart gear assembly. Outboard forward tire was sheared as shown on illustration.

General scratching through paint layer only. No visible signs of soot.

TWA-REPHLD

D. Mello 11-20-96

11-25-96 Stephen F. Klupack SR/FAM

R. Smith JAM 12-6-96

D. Roth BOEING 12/18/96

SD GREEN ALPA 01-20-97

GENERAL NOTES:

1. OUTER CYLINDER GLAND NOT BECAME UNATTACHED ALLOWING PISTON TO SEPARATE. OUTER CYLINDER CRACKED. SEE ILLUSTRATION, VIEW A-A.
2. B51480 ATTACH FITTINGS AND A/C STRUCTURE ATTACHED TO GEAR ASSY.

RIGHT BODY GEAR ASSY

IPC 32-13-01-01, FIG 1, SHEET 1

SEE RF-43

GREEN TAG C-105

A

SEE RF-43

R

B

F

G

NOT ATTACHED TO GEAR ASSY

OB HALF OF WHEEL HUB NOT ATTACHED. TIRE NOT ATTACHED

TIRE NOT ATTACHED

OUTER HUB FAILED

YIELD UP 2.5 IN CRACK

140
142

150

115

120
121
122

235

1.5 IN

1.5 IN

2.25 IN LONG

3.5 IN LONG VIEW A-A

5.75 IN LONG

UP

VIEW A-A

AXLE DEAM FAILED, FWD ASSY NOT ATTACHED

TIRE NOT ATTACHED

TIRE CUT PORTION NOT ATTACHED

ROD FAILED 20 IN AFT

YIELD PRIOR TO FAILURE

TW-REPALD 10-31-96

FWD

1.5 IN

12.5 IN

