



OMF 100-160



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ALERT SERVICE BULLETIN

Alert Service Bulletin No.: 1107/ 0002

Date: Sept.16, 2003

TO: All OMF-100-160 Owners, Operators and Service Centers

SUBJECT: Cage, outside tube supporting main landing gear leg.

MODELS AFFECTED: OMF-100-160

SERIAL NUMBERS:
AFFECTED 0006, 0007, 0012, 0013, 0014, 0015, 0017 0018, 0020, 0021, 0024,
0025, 0028, 0029

TIME OF COMPLIANCE: Before next Flight
Repeat this inspection every maintenance event after 50 hours time in service.

BACKGROUND: OMF has received a report of cracks in the outside tube of cage, which supports main landing gear leg. Further investigation revealed that one manufacturer of cages used out-of-design dimensions for the tube elements.

COMPLIANCE: Perform main landing gear leg support inspection in accordance with chapter 05-20-00 of the maintenance manual.

If cracks are found, contact OMF representatives
in U.S. at +1-819-377-1177 or
in Germany at +49-395-4256015
for repair instructions.

If no cracks found, perform special inspection at next 50-hour inspection to determine wall thickness of the tube as follows:

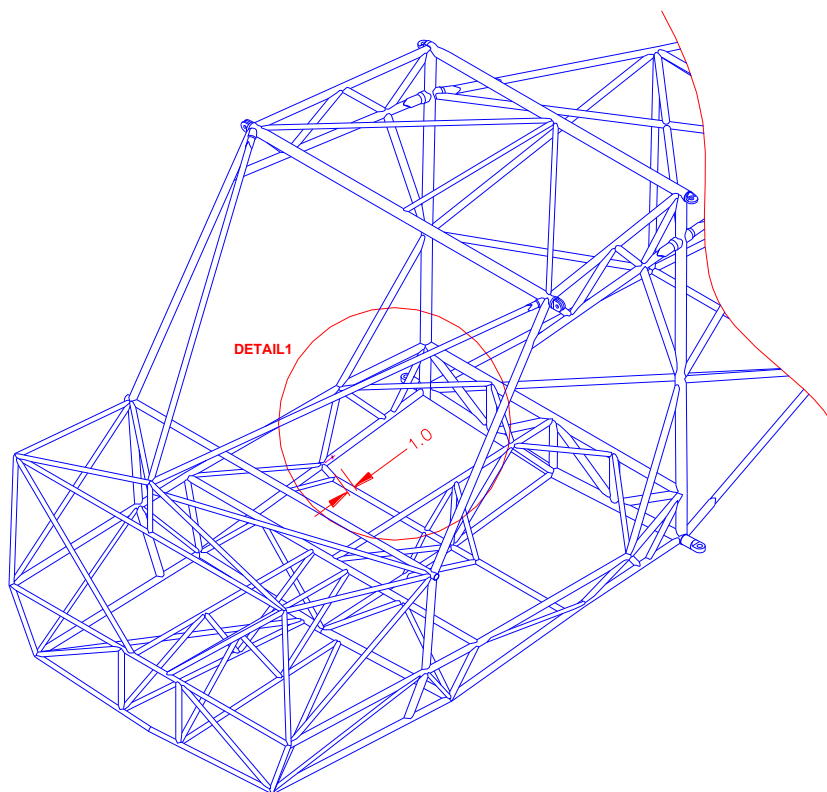
- Remove RH seat
- Drill hole in the tube as shown in enclosed picture
- Measure wall thickness (required dimensions: 0.058 inch)
- Close the hole with a blind rivet, specification: CR 3213-4-2 (cherrymax rivet)
- Install RH seat

Should a tube be found with a lower wall thickness, the tube will have to be reinforced in accordance with OMF repair instructions.
Please contact OMF for repair instructions.

Costs: OMF will cover the cost for the special inspection
Labour: 2.0 man-hours

Ostmecklenburgische Flugzeugbau GmbH
Flughafenstraße
17039 Trollenhagen Germany

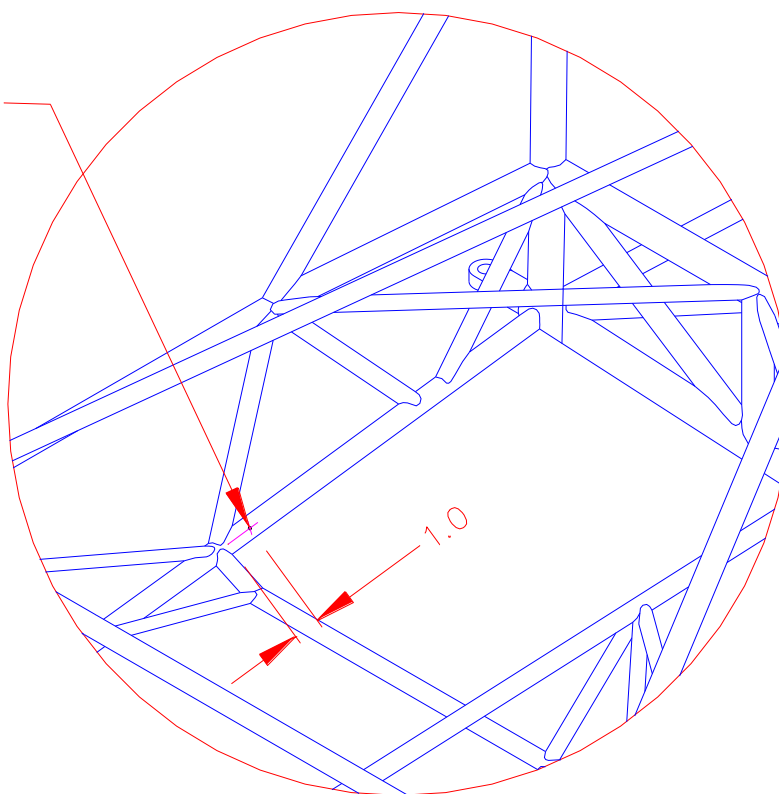
Tel.: +49 (395) 42560-0
Fax.: +49 (395) 42560-20
www.omf-aircraft.com



Locate hole as shown in Detail1 of pictures.

DRILL HOLE IN SIDE
 $\phi.127''$

DETAIL1

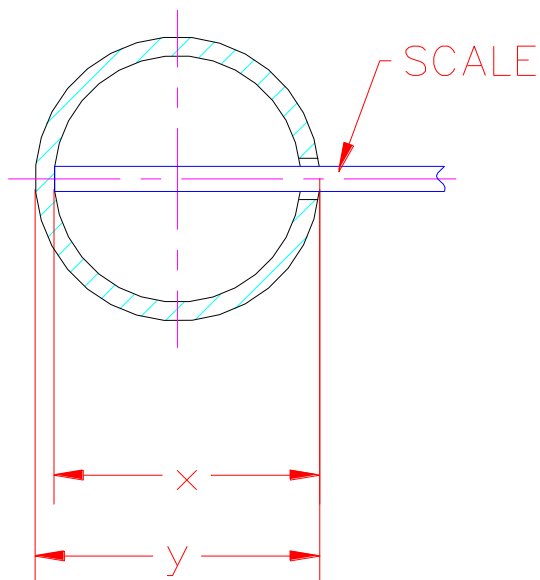




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Measure of Wall Thickness
 $Y-X=.058''$

**NOTE: Cracks or deformations can also be indications of a hard landing.
(see MM chapter 05-50-00)**