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Assembly Alert: 171

Date: July 2, 2010

Subject: Main Wheel Brake Line Failure with Wheel Pant Installation

Compliance: Mandatory

Models Affected: S-19

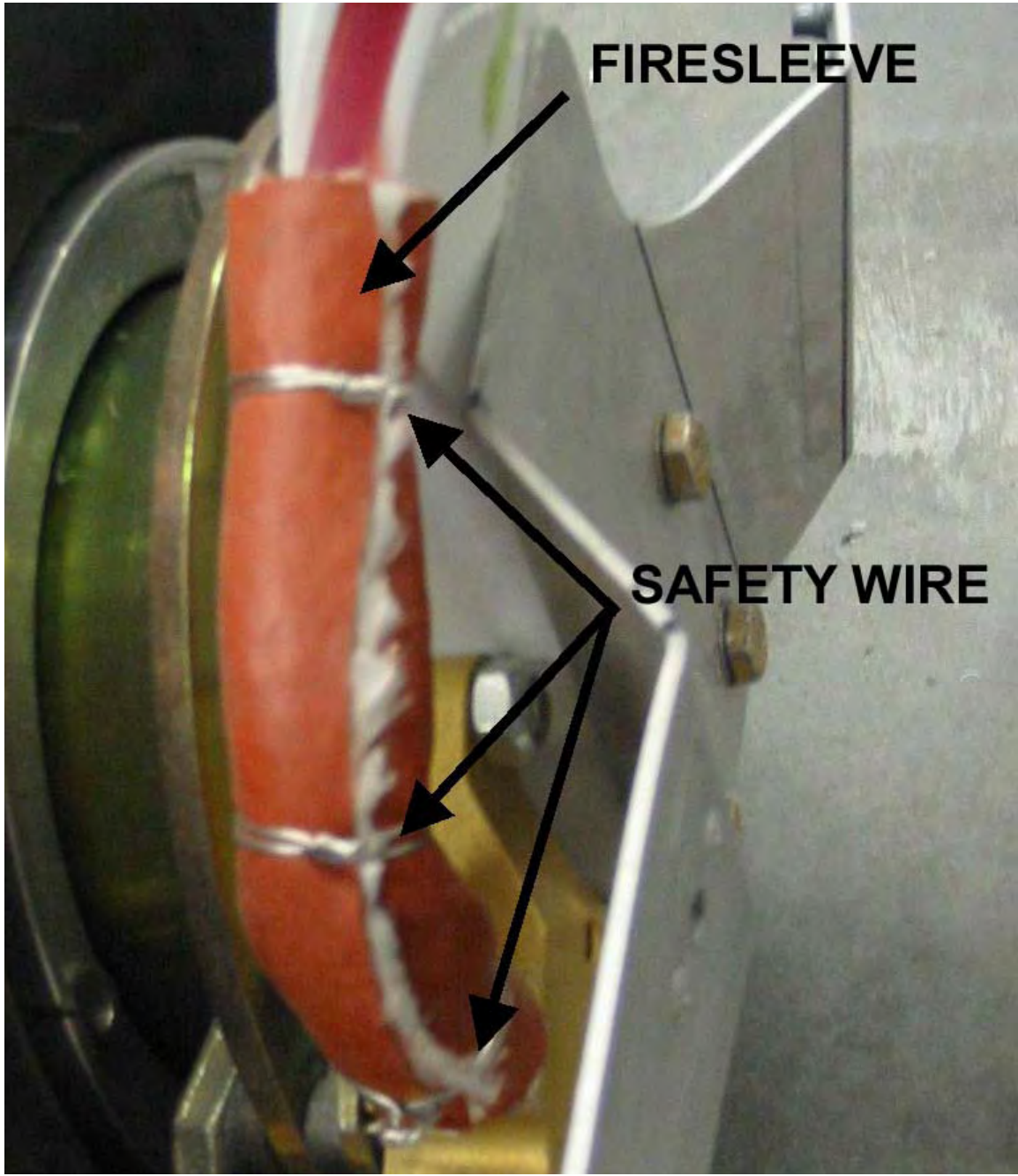
Several S-19 owners have experienced over-heating, subsequent deformation and failure of the brake line at the main wheels, when wheel pants are installed. Possible brake line failure can be avoided by proper braking management while taxiing to prevent excessive brake heating.

RANS recommends the addition of fire-sleeve to the brake fitting and brake line at the main wheels. Refer to **FIGURE AA171-1**.

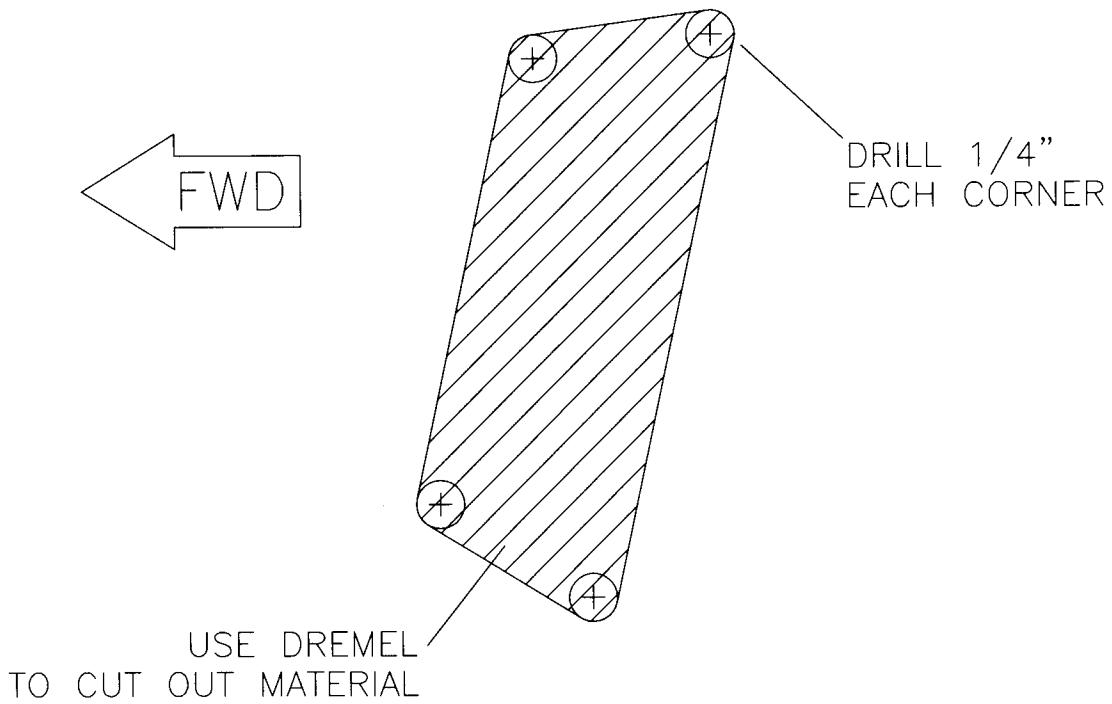
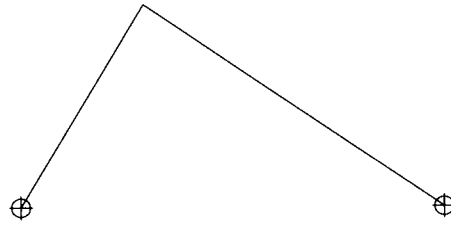
The addition of a cooling opening to the inboard side of each wheel pant will also aid in the removal of unwanted heat. Refer to **FIGURE AA171-2**.

Thank you for your attention to this matter. RANS hopes that we have not inconvenienced you to any great degree. Fly safe!

FIGURE AA171-1



CENTER ON AFT INNER
WHEEL PANT ATTACH HOLES.
CUT AS SHOWN.



1:1 TEMPLATE

MD5514

RANS S-19
WHEEL PANT MODIFICATION
FIGURE AA171-2

06/25/2010