

# Cleveland

Wheels & Brakes

Parker Hannifin Corporation  
**Aircraft Wheel & Brake**  
1160 Center Road, P.O. Box 158  
Avon, Ohio 44011 USA  
1-800-BRAKING (272-5464)  
216-937-1272 • FAX 216-937-5409

# SERVICE BULLETIN

## POSSIBLE DEVELOPMENT OF CIRCUMFERENTIAL CRACKS IN CLEVELAND BRAKE DISCS USED ON CERTAIN MODELS OF THE PIPER PA-31 NAVAJO AIRCRAFT

**PURPOSE:** To inspect the welded area of the brake disc for circumferential cracks. Affected brake disc assemblies are:

P/N 164-04400 (Piper P/N 754 574) used in wheel assembly 40-102A  
P/N 164-05200 (Piper P/N 754 613) used in wheel assembly 40-130

**AIRCRAFT**

**AFFECTED:**

PA-31 and PA-31-325

S/N 31-7512007 through 31-7612064

S/N 31-7612066 through 31-7612073

PA-31-350

SN 31-7552029 thru 31-7652015

SN 31-7652017 thru 31-7652099, 31-7652101

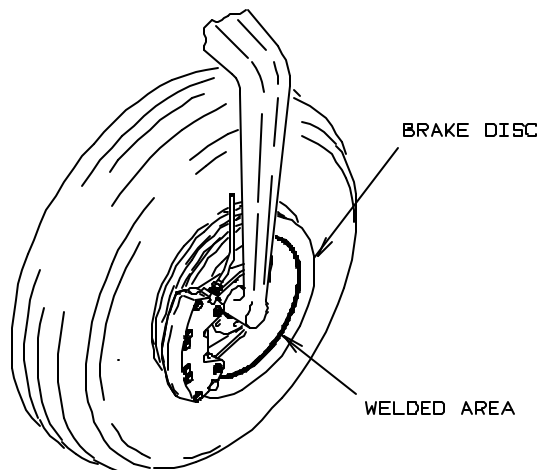
SN 31-7652103 thru 31-7652109

SN 31-7652111 thru 31-7652119

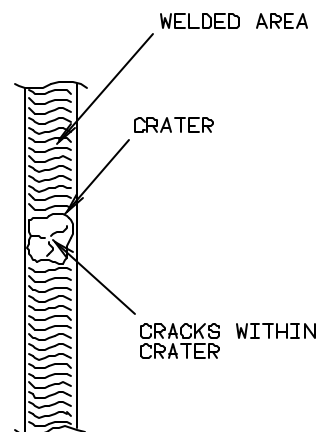
**INSTRUCTIONS:** Within the next 25 hours, or at the next scheduled maintenance inspection, whichever occurs first, perform the following inspection:

Visually inspect the welded area (see Sketch #1) for evidence of circumferential cracks. This type of crack will split the paint and is readily visible to the naked eye. If cracks are found, replace with a new brake disc of the corresponding part number.

**NOTE:** A slight impression, or crater, may be found in the weld bead (see Sketch #2). This crater is caused by electrode removal at the end of the welding cycle. Small cracks contained within this crater are not detrimental and does not necessitate brake disc replacement.



Sketch #1



Sketch #2