



SERVICE BULLETIN

Subject: Drive Sprocket – F9T and F9TF Series, Mirage® wheelchair lifts
Applicable Products: Ricon Part Number F9-0450
Effectivity: 01/04/2014

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Introduction

This bulletin provides a brief description of a technical issue related to the sprockets used on certain units of the subject wheelchair lift.

Incorporation

Approximately 37 Mirage® units built between 7/31/2013 and 8/29/2013 (lift SN 518841 thru SN 519688).

Information

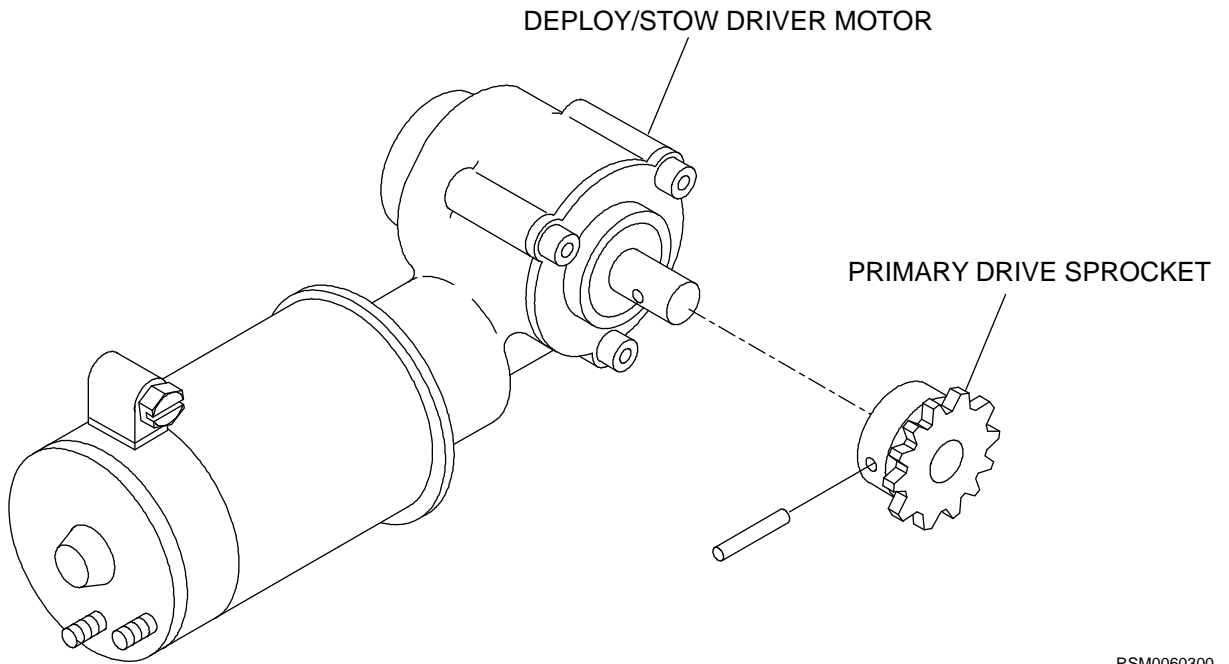
The primary drive sprocket (PN F9-0450) used on the deploy/stow drive motor (see figure 1) in the above referenced range of lifts may fail prematurely causing the motor to spin upon activation of the “Deploy” or “Stow” functions on the hand control but no movement in or out of the lift cassette resulting in the need to manually stow the lift.

Cause

The sprocket PN F9-0450 used in the above referenced range of lifts may have included an under-cut that is deeper than the maximum permitted (see figure 2). In the event the under-cut is too deep, the remaining material available at the cross section may be too thin to support the applied load.

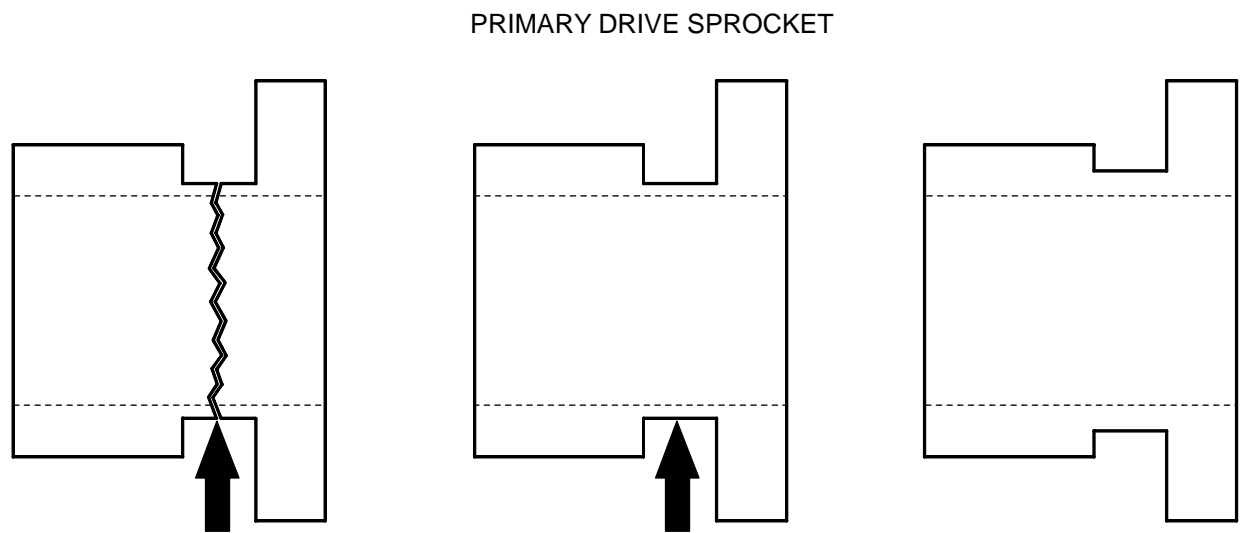
Corrective Action

Replace the drive sprocket



RSM0060300

Figure 1 – Primary drive sprocket used on the deploy/stow drive motor



BROKEN DRIVE SPROCKET

THIN DRIVE SPROCKET

RSM0060400

Figure 2 – Sprocket under-cut too deep