



**NATIONAL OILWELL VARCO**

## SAFETY ALERT

Release

Product Bulletin No.: TDS-09-08  
Top Drive Drilling System

Date: May 11, 2009

**Subject:** Dropped Object Incident Involving Latch Pin

**Product:** National Oilwell Varco PS Series Top Drives: PS-500/500, PS2-500/500, PS2-650 & PS2-750

**Affected Assemblies:** Latch Pin (P/N 2031264)

**Objective:** Advise Customers of Recent Dropped Latch Pin and Related Safety Precautions

**Issue:** A **Latch Pin, P/N 2031264**, installed on the housing beam dropped to the rig floor during normal operations. No injuries were reported.

An investigation of the incident revealed the **Latch Pin, P/N 2031264**, that is used to fasten the retaining latch onto the housing beam and handling ring did not have secondary retention per NOV standards. It is currently retained with cotter pins on each end of the pin.

**Solution:** NOV has improved the fastening of the **Retaining Latch, P/N 2037119 & 2032163** to meet NOV standards for secondary retention.

NOV recommends all customers with Top Drives that utilize **Latch Pin, P/N 2031264** to install **Kit, Latch Secondary Retention, P/N M614003133 or M614003133-501**. These kits include 1-1/8" UNC screws, flat washers, self-locking nuts and cotter pins needed to upgrade PS2 Top Drive models listed above to meet NOV standards for secondary retention (see Table 1 and Figure 1 below).

1. Remove existing Latch Pin, P/N 2031264 and discard
2. Replace with Fasteners (Items 1 – 4) of kit.

Table 1

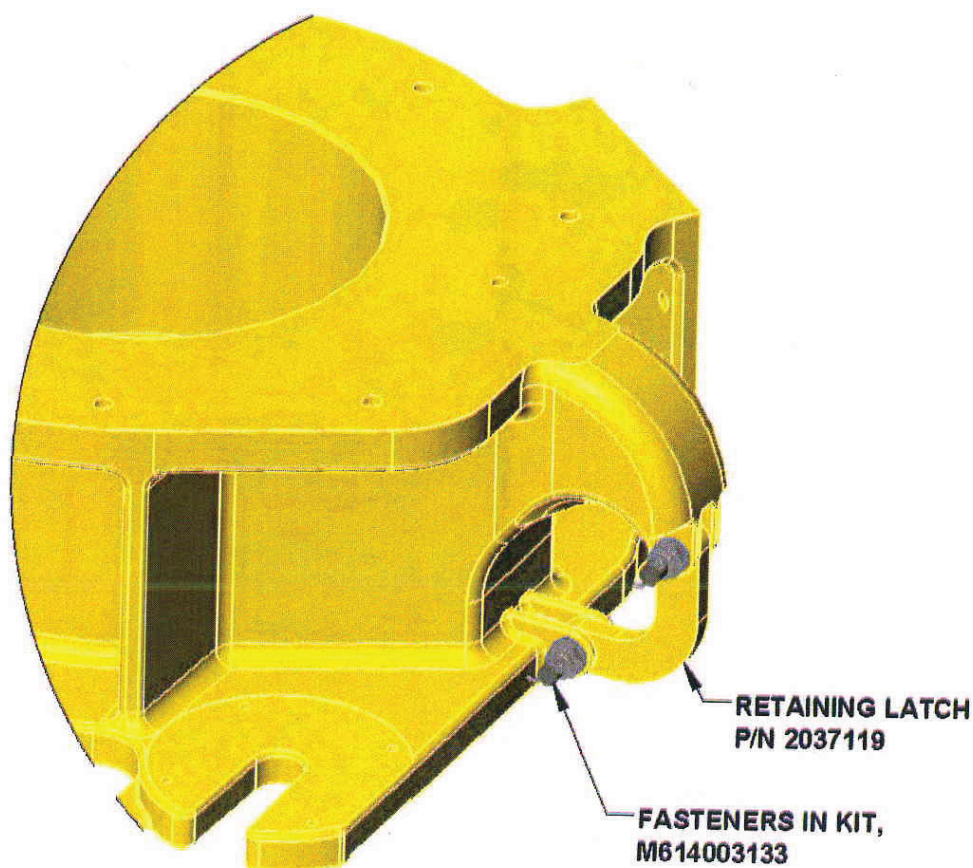
Top Drive Model	Latch Secondary Retention Kit
PS-500/500, PS2-500/500 & PS2-650 (Housing Beam & Handling Ring)	M614003133
PS2-750 (Handling Ring Only)	M614003133-501

General safety precautions as outlined in the Top Drive Care & Operating Manual should be followed while installing the upgrade kit.

Operators should also refer to previous NOV Product Information Bulletins and Safety Alerts at <http://www.nov.com/drilling> for additional information related to this issue.

**Failure to follow these recommendations may result in death, bodily injury or property damage.**

Please contact your local National Oilwell Varco (NOV) Service Center for price and availability or if you have any questions regarding this safety alert.



**FIGURE 1**