

Flash News

## KOMATSU

KOMATSU AMERICA CORPORATION

Issue Date: August 19, 2003

To : All Komatsu Distributors

NEWS NUMBER: FN03026

Component Group Engine

SUBJECT: New Fuel Shutoff Valve Solenoid

PURPOSE: To introduce the new 2 inch Fuel Shutoff Valve Solenoid

APPLICATION: Komatsu 4D102 and 6D102 engines

## **DESCRIPTION:**

This Flash News introduces the new part numbers and instal ation procedure for the new 2inch shutoff solenoid on the Komatsu 4D102 and 6D 02 series engines using the Bosch® In-line A pump with the (RSV) governor. The new scienced replaces the 1-3/4-inch fuel pump mounted solenoid and bracket.

The 1-3/4-inch solenoid part numbers are being obsolete and replaced by the new 2 inch solenoid.

Two new solenoid mounting capsorews, Part Number 3991132, **must** be used when replacing a 1-3/4-inch solenoid, with a 2-inch solenoid.

Note: A large percentage of fuel shutoff solenoid failures are attributed to overheating of the pull-in coil. This occurs during extended cranking periods. Always observe correct starting and fuel system priming procedures in order to prevent fuel shutoff solenoid failures.

Note: Los he A Pump With RSV Governor: This repair can be performed without removing fuel pump. Removal of shutoff lever, filter, and supply line is required to access solenoid from the bottom of fuel pump. The new solenoid is installed from the back side bottom of pump and lifted into position.



We reserve the right to make changes in specifications, construction or design at any time without incurring obligation to make such changes on products sold previously





KOMATSU AMERICA CORPORATION

Parts Matrix

| New Solenoid Part<br>No.<br>( 2 inch solenoid kit<br>) | New Solenoid Part<br>No.<br>( 2 inch solenoid kit<br>) | New solenoid<br>mounting<br>capscrews<br>(2 required) | Minimum<br>Pull-in<br>Voltage | Minimum<br>Hold-in<br>Voltage | Energized<br>Rod<br>Length<br>(in) | Rod<br>Length<br>Fig. No. |
|--|--|---|-------------------------------|-------------------------------|------------------------------------|---------------------------|
| 1296700H2  | 1296700H2  | 6732-71-3140  | 16.6                          | 11.6                          | 61                                 | 1                         |
| 1310425H1  | 6731-81-9210   | 6732-71-3140  | 17.1                          | 11 🕤                          | 6.33                               | 4                         |
| NA   | 6731-81-9120   | 6732-71-3140  | 8.3                           | 4.                            | 9.86                               | 1                         |
| NA   | 6731-81-9310   | 6732-71-3140  | 17.1                          | 11.9                          | 5.15                               | 4                         |
| 6733-81-9110   | 6733-81-9130   | 6732-71-3140  | 19.1                          | 9.4                           | 6.33                               | 4                         |
| 6742-01-2310   | 1296700H2  | 6732-71-3140  | 16.6                          | 11.6                          | 4.61                               | 1                         |
| NA   | 6731-81-9160   | 6732-71-3140  | 17.                           | 11.9                          | 6.33                               | 4                         |
| NA   | 6733-81-9130   | 6732-71-3140 🔨  | 19.1                          | 9.4                           | 6.33                               | 4                         |
| NA   | 6735-81-9150   | 6732-71-31/0  | 9.7                           | 4.7                           | 6.33                               | 4                         |
| NA   | 6742-01-5583   | 6732-71-(14)  | 16.6                          | 8.8                           | 2.93                               | 1                         |
| NA   | 6742-01-5584   | 6732-71 21-20   | 16.6                          | 8.8                           | 8.81                               | 1                         |

Install

Bosch<sup>®</sup> A Pump with RSY Governor

## NOTE: New selenoid mounting capscrews have thread locker preapplied. Loctive application is not necessary when new capscrews are installed.

Install the soutoff solenoid on the fuel pump using two new M16 x 1.5-16 capscrews. Apply Loctite to the capscrew threads. Tighten the capscrews just enough to hold the solenoid in place.



We reserve the right to make changes in specifications, construction or design at any time without incurring obligation to make such changes on products sold previously









We reserve the right to make changes in specifications, construction or design at any time without incurring obligation to make such changes on products sold previously









## κομητου

KOMATSU AMERICA CORPORATION



