



**DIPACO**  
**DIESEL**  
**PARTS**  
**U S A**

PIFI-2  
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## THROTTLE SHAFTS AND ASSEMBLIES FOR CUMMINS FUEL PUMPS.

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### THROTTLE ADJUSTING SCREW

The throttle adjusting screw, part number D109918, has been replaced by a new screw with a hardened tip, part number D3046407. The new hardened tip screw can be identified by the dark blue color as opposed to the black appearance of the D109918 screw.

DIPACO will continue to provide both part numbers.

### THROTTLE SHAFTS

Several years ago a major change was made to the port shape of the throttle shafts and many shops are still not aware of what this change means. In the past throttle leakage adjustment has been very sensitive to flow setting and adjusting screw position or wear. As the throttle stop or adjusting screw wore or had their position altered by vibration, throttle hesitation would result. In order to reduce sensitivity and thereby increase stability, the shape of the throttle shaft port was changed.

The simplest way to identify the change is the "slit" and "slot" designs. The "slot" is the previous design where the port was set into a channel. The new or "slit" design has a fine groove coming from the left hand side of the shaft port. The "slit" design throttle shaft now requires about three times as much movement of the shaft as the "slot" design required to achieve the same flow.



NEW "SLIT" DESIGN

OLD "SLOT" DESIGN

DIPACO carries both the old and new designs of the 0.173" port size throttle shaft. The old throttle shaft was the D3006350 series and we carry 16 sizes of this shaft. The new throttle shafts are the D3046680 series and we also have 16 sizes of this shaft.

DIPACO throttle shaft kits, series number D3006390, come with the new style "slit" throttle shaft. DIPACO will offer the older "slot" style throttle shafts in kits also. These kits carry the DIPACO series number DPE6350. All kits are available and to order simply place a dash and the size number after the series number.

High output throttle shafts with the 0.250" port size have also been updated to the new "slit" design. Currently we only have available the older "slot" design series, D3006360, in eight sizes. The new series, D3046690, will be available at a later date.

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