

**GAC APPLICATION NOTE (all of the components specified are sold separately).**

**GAC COMPLETE ELECTRONIC GOVERNING SOLUTION FOR THE KUBOTA Z482 ENGINE USING ALN025 SERIES ACTUATOR AND SPEED CONTROLLER OPTIONS**

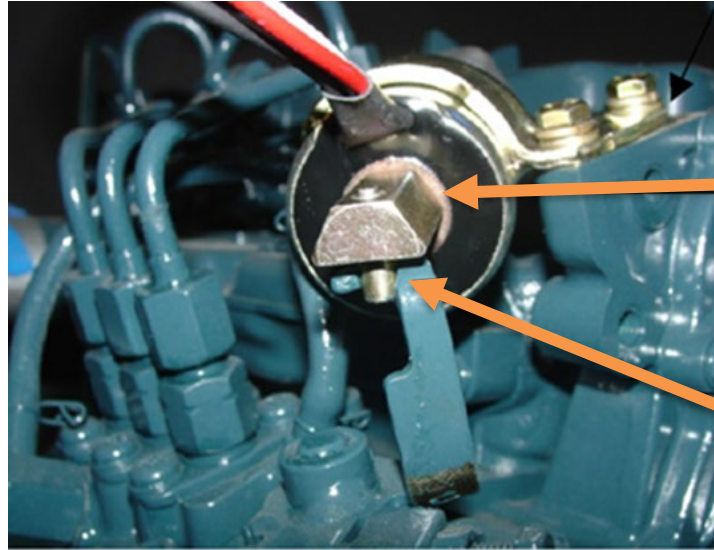
<b>Document Title:</b>	<b>KUBOTA Z482 With ALN025-12</b>
<b>Customer / OEM:</b>	Multiple
<b>Application(s):</b>	Universal small engine
<b>Engine Make / Model / Displacement / Rating:</b>	Kubota Z482 / 479cc / 10.9 HP
<b>Equipment Make / Model:</b>	Multiple
<b>Fuel System Type &amp; Make / Model:</b>	Bosch MD Type mini pump
<b>Operating Speed(s):</b>	2400 – 3200 RPM operating, 3600 RPM Max Speed
<b>Battery Voltage:</b>	12 V DC
<b>Recommended Products:</b>	<ul style="list-style-type: none"> <li>• Actuator: ALN025-12</li> <li>• Speed Controller Options (Analog): <ul style="list-style-type: none"> <li>○ ECC328-12 No speed sensor – Uses generator frequency, Fixed Speed, No Idle (Only for AC Generator Application). No speed sensor necessary.</li> <li>○ ESD2402-12 Idle function, fixed speed</li> <li>○ ESD5120 Idle function, fixed or variable speed, load share/sync</li> <li>○ ESD5500-II Idle function, fixed or variable speed, load share/sync, starting fuel, speed ramping</li> </ul> </li> <li>• Speed Controller Options (Digital): <ul style="list-style-type: none"> <li>○ EEG6500, EEG7000 or EEG7500</li> </ul> </li> <li>• Optional: <ul style="list-style-type: none"> <li>○ Starter Mounting Bracket: BK265</li> <li>○ Clevis Kit: KT130</li> <li>○ Threaded Rod: RD102 (1/4"-28) or RD233 (M6 x 1.5mm)</li> </ul> </li> </ul>

**Summary:** ALN025-12 actuator is to be mounted in place of the original fuel shut-off solenoid. The ALN025-12 serves as both the actuator and a fail-safe fuel shut-off.

**ALN025-12**



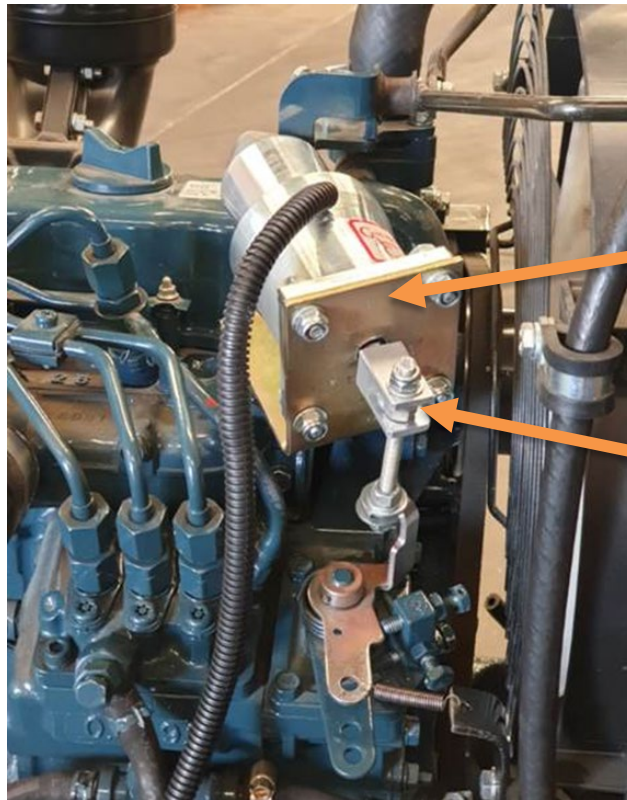
## ORIGINAL STOP SOLENOID MOUNTED ON KUBOTA Z482



OEM KUBOTA  
STOP SOLENOID

STOP LEVER

## FINISHED INSTALLATION: ALN025-12 MOUNTED ON KUBOTA Z482



STARTER MOUNTING  
BRACKET BK265

CLEVIS KIT AND  
THREADED ROD