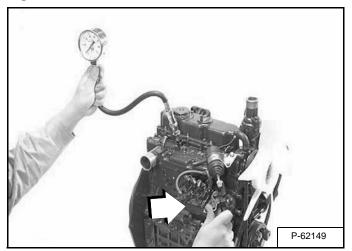
ENGINE INFORMATION (CONT'D)

Compression - Checking

Figure 70-10-16



The tool listed will be needed to do the following procedure:

MEL10630 - Engine Compression Test Kit Warm the engine.

Remove the glow plugs, muffler and air cleaner from the engine. (If testing through glow plug hole.)

Remove the air cleaner, muffler and all injector nozzles. (If testing through injector nozzle hole.)

Install a compression adapter from the kit (that closely resembles either the glow plug or injector, depending on where you are taking the test reading) in the cylinder head.

Connect the compression gauge to the adapter [Figure 70-10-16].

Ensure the speed control lever is set at the low idle setting.

Hold fuel shut off lever to no fuel. (shut-off) See arrow, [Figure 70-10-16]. Shut off solenoid does not need to be removed.

Turn the engine with the starter at 200 - 300 rpm. Run the test for each cylinder more than twice for 5 - 10 seconds each time and take the average reading. Make sure you are using a fully charged battery for each and every run.

The correct compression for the engine is:

Kubota D722-EB (MT52)

·	2,8 - 3,2 MPa (28 - 32 bar) (413 - 469 psi)
Allowable limit	2,3 MPa (23 bar) (327 psi)

Kubota D902-EB (MT55)

Compression Pressure	3,5 - 4,0 MPa (35 - 40 bar) (512 - 583 psi)
Allowable limit	2,5 MPa (25 bar) (370 psi)

If the pressures are not within 10% of each other, apply a small amount of oil in the cylinders and retest.

If the pressures increase after applying oil, check cylinder walls and piston rings.

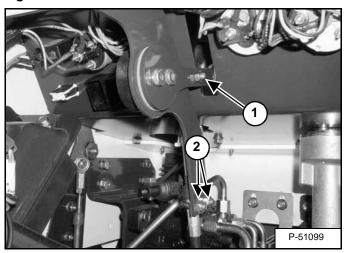
If the pressures do not increase after applying oil, check top clearance, valve clearance and cylinder head.

ENGINE SPEED CONTROL

Removal And Installation

Raise the hood.

Figure 70-20-1



Remove the speed control cable nut (Item 1) [Figure 70-20-1] from the speed control lever.

Remove the two bolts, nuts and spacer (Item 2) [Figure 70-20-1] from the speed control bracket.

Figure 70-20-2

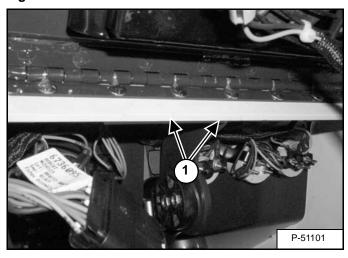
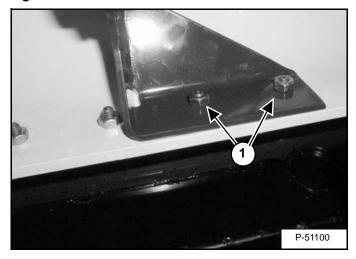


Figure 70-20-3



Remove the two nuts (Item 1) [Figure 70-20-2] and [Figure 70-20-3] from the throttle bracket.

Remove the throttle bracket assembly.

Reverse the removal procedure to install the engine speed control.

ENGINE SPEED CONTROL (CONT'D)

Disassembly And Assembly

Figure 70-20-4

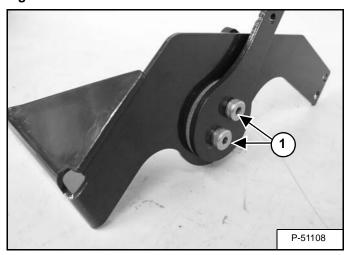
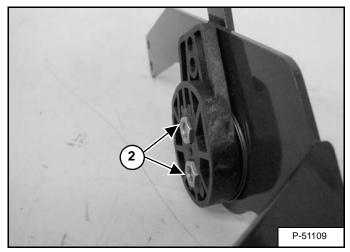


Figure 70-20-5



Loosen the two control lever mounting bolts (Item 1) [Figure 70-20-4] and remove the mounting nuts (Item 2) [Figure 70-20-5].

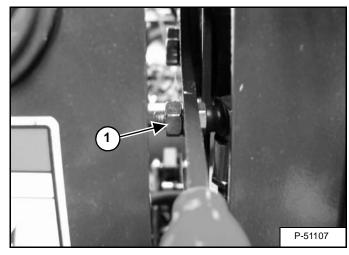
Assembly: Do not lubricate the engine speed control. Tighten bolts (Item 1) [Figure 70-20-4] evenly until a comfortable tension is obtained while moving the lever back and forth.

Replace any worn or damaged parts if necessary.

Cable Removal And Installation

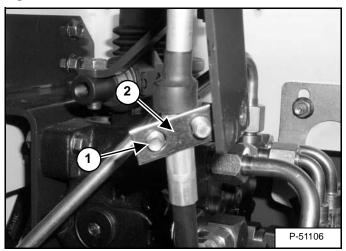
Raise the hood.

Figure 70-20-6



Remove the nut (Item 1) [Figure 70-20-6] from the throttle cable and throttle bracket.

Figure 70-20-7



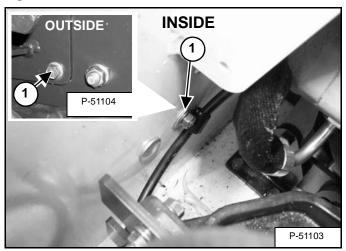
Remove the two nuts from the u-bolt (Item 1) [Figure 70-20-7] on the throttle cable and throttle bracket.

NOTE: The spacer (Item 2) [Figure 70-20-7] is needed to align the cable when the u-bolt is tightened.

ENGINE SPEED CONTROL (CONT'D)

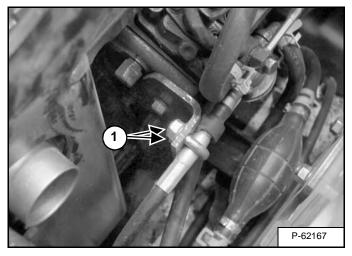
Cable Removal And Installation (Cont'd)

Figure 70-20-8



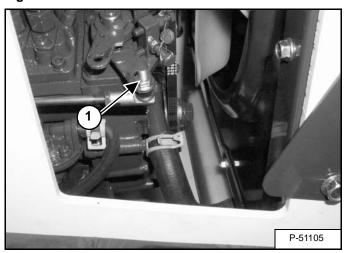
Remove the bolt and nut (Item 1) [Figure 70-20-8] from the throttle cable mounted to the mainframe.

Figure 70-20-9



Remove the two nuts (Item 1) [Figure 70-20-9] from the u-bolt on the throttle cable.

Figure 70-20-10



Remove the speed control cable nut (Item 1) [Figure 70-20-10] from the speed control lever.

Remove the throttle cable from the loader.

Reverse the removal procedure to install the throttle cable.

