WSM

WORKSHOP MANUAL

G23,G26



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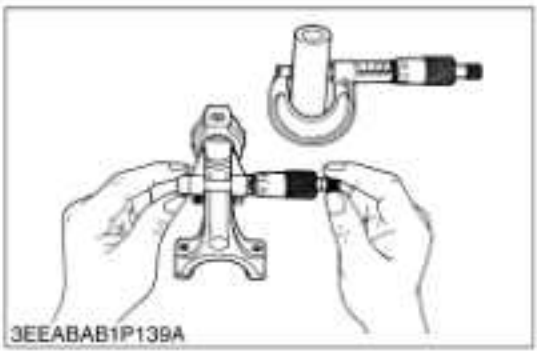
GENERAL

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Oil Clearance between Piton Pin and Small End Bushing

1. Measure the piston pin O.D. where it contacts the bushing with an outside micrometer.
2. Measure the small end bushing I.D. with an inside micrometer, and calculate the oil clearance.
3. If the oil clearance exceeds the allowable limit, replace the bushing. If it still exceeds the allowable limit, replace the piston pin.

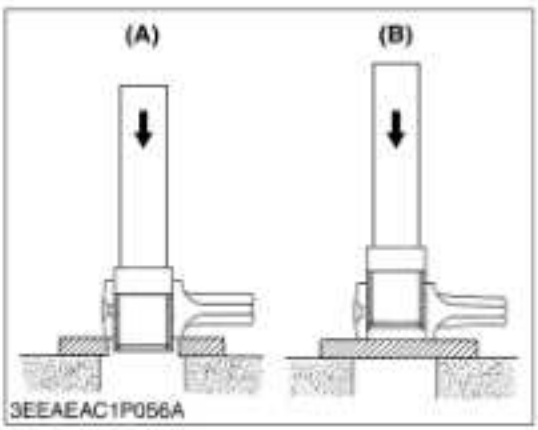
[G23]

Oil clearance between piston pin and small end bushing	Factory specification	0.015 to 0.075 mm 0.00059 to 0.0029 in.
	Allowable limit	0.15 mm 0.0059 in.
Piston pin O.D.	Factory specification	20.002 to 20.011 mm 0.78748 to 0.78783 in.
Small end bushing I.D.	Factory specification	20.025 to 20.040 mm 0.78839 to 0.78897 in.

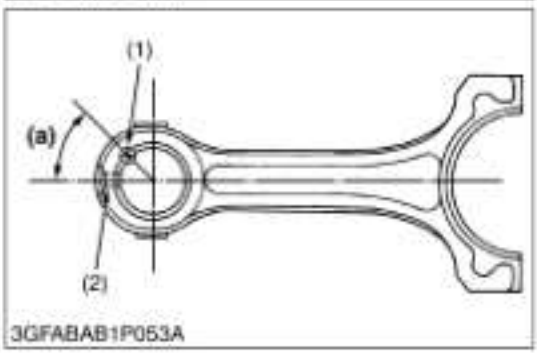
[G26]

Oil clearance between piston pin and small end bushing	Factory specification	0.014 to 0.038 mm 0.00056 to 0.0014 in.
	Allowable limit	0.15 mm 0.0059 in.
Piston pin O.D.	Factory specification	22.002 to 22.011 mm 0.86622 to 0.86657 in.
Small end bushing I.D.	Factory specification	22.025 to 22.040 mm 0.86713 to 0.86771 in.

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Replace Small End Bushing

(When removing)

1. Press out the used bushing using a small end bushing replacing tool. (Refer to "SPECIAL TOOLS".)

(When installing)

1. Clean a new small end bushing and bore, and apply engine oil to them.
2. Using a small end bushing replacing tool, press in a new bushing (service parts) taking due care to see that the connecting rod oil hole matches the bushing hole.

[G23]

Oil clearance between piston pin and small end bushing (Spare parts)	Factory specification	0.015 to 0.075 mm 0.00059 to 0.0029 in.
	Allowable limit	0.15 mm 0.0059 in.
Small end bushing I.D. (Spare parts)	Factory specification	20.026 to 20.077 mm 0.78843 to 0.79043 in.

[G26]

Oil clearance between piston pin and small end bushing (Spare parts)	Factory specification	0.015 to 0.038 mm 0.00059 to 0.0014 in.
	Allowable limit	0.15 mm 0.0059 in.
Small end bushing I.D. (Spare parts)	Factory specification	22.025 to 22.040 mm 0.86713 to 0.86771 in.

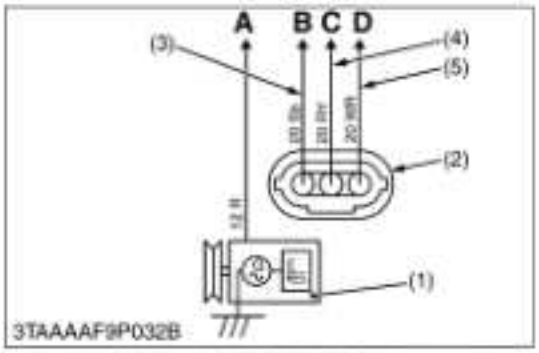
(1) Seam
(2) Oil Hole

(A) When Removing
(B) When Installing
(a) 0.79 rad (45 °)

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Charge Lamp (Charging Circuit)

1. Disconnect the **3P** connector from the alternator after turning the main switch **OFF**.
2. Turn the main switch **ON** and connect a jumper lead from the wiring harness connector terminal (White / red) to the chassis.

■ **NOTE**

- **If you connect the jumper lead from the wiring harness connector terminal (White / Red) to the chassis, 15A fuse will be blown. Do not connect the lead to Red / Yellow terminal.**

3. If the charge lamp does not light, the wiring harness or fuse is faulty.

(1) Alternator
(2) **3P** Connector
(3) **Sb** (Sky blue) Terminal
(4) **RY** (Red / Yellow) Terminal
(5) **WR** (White / Red) Terminal

A : To Main Switch
B : To Hour Meter and Tachometer
C : To Change Lamp
D : To Ground

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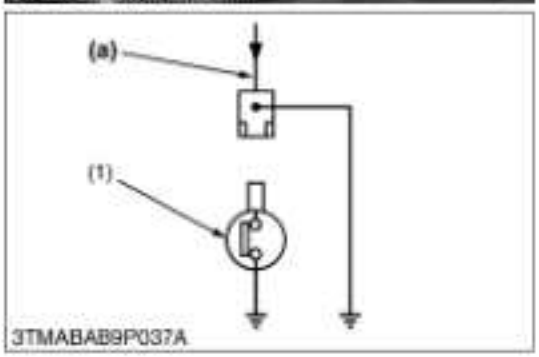
Engine Oil Pressure Lamp

1. Disconnect the lead (2) from the engine oil pressure switch (1) after turning the main switch **OFF**.
2. Turn the main switch **ON** and connect a jumper lead from the lead to the chassis.
3. If the engine oil pressure indicator lamp does not light, the wiring harness is faulty.

(1) Engine Oil Pressure Switch
(2) Lead

(a) From Oil Pressure Lamp

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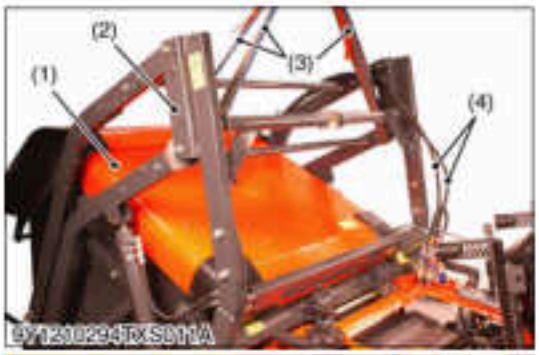
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1. TROUBLESHOOTING

Symptom	Probable Cause	Solution	Reference Page
Grass Bag Control Is Not Smooth	Transmission oil is low	Replenish	G-19
Engine Shuts Off When Engage the PTO Lever	Grass collector switch defective	Replace	6-S13
	Fuse blown	Replace	G-50
	Grass collector is lifted	Lower the grass collector	–

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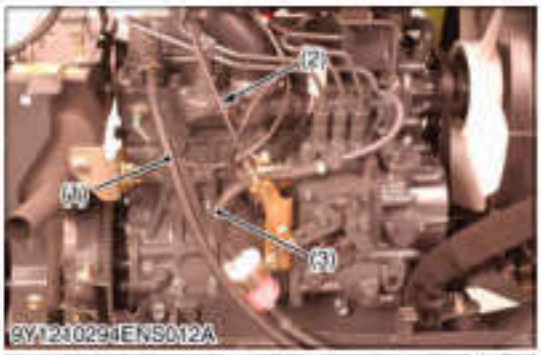
Grass Collector

1. Hook the grass collector with the nylon slings.
2. Support the grass collector with a garage jack to remove the grass collector pins (5) easily.
3. Remove the grass collector pins (5).
4. Disconnect the wiring harness coupler (6).
5. Disconnect the hydraulic hoses (7).
6. Remove the grass collector by hooking it.

(1) Grass Collector
(2) Frame
(3) Nylon Sling
(4) Hydraulic Hose
(5) Grass Collector Pin
(6) Wiring Harness Coupler
(7) Hydraulic Hose

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Fuel Hoses, Accelerator Wire, Bonnet Support and Wiring Connector

1. Disconnect the overflow fuel hose (1).
2. Disconnect the accelerator wire (2).
3. Disconnect the fuel hose (3).
4. Disconnect the wiring connector (8) from the coolant temperature sensor.
5. Remove the bonnet support (6).

(When reassembling)

- Connect the fuel hoses securely.
- Return the fuel hoses and the wiring harness to the original position as shown in the pictures.

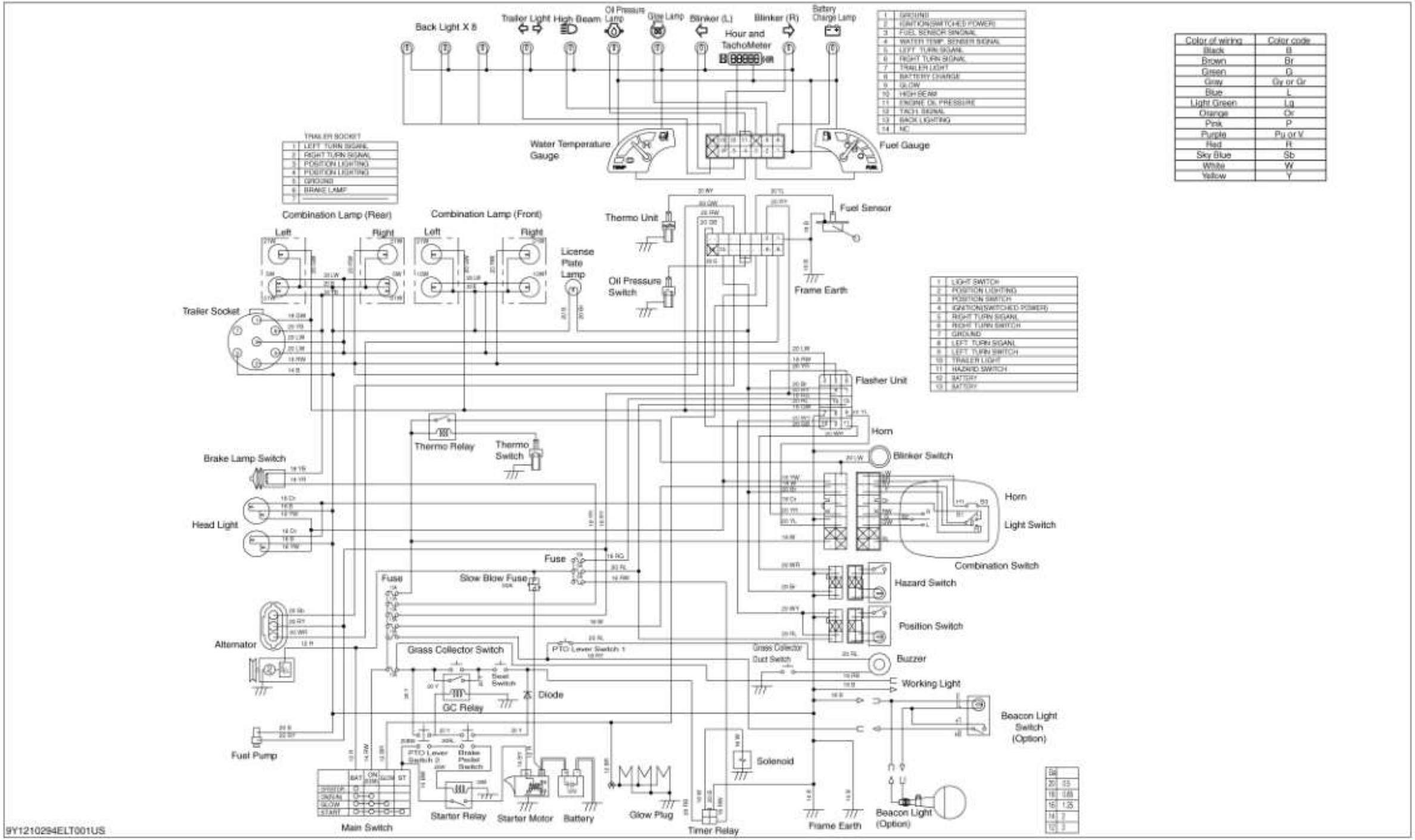
(1) Overflow Fuel Hose
(2) Accelerator Wire
(3) Fuel Hose
(4) Pin
(5) Fuel Filter
(6) Bonnet Support
(7) Coolant Temperature Sensor
(8) Wiring Connector
(9) Band

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1. WIRING DIAGRAM

[1] G23



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