

WSM

WORKSHOP MANUAL
TRACTOR

L3010,L3410,L3710,L4310

Kubota

KISC issued 07, 2020 A

SERVICING

CONTENTS

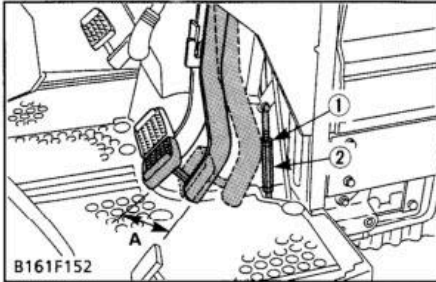
TROUBLESHOOTING	3-51
SERVICING SPECIFICATIONS	3-54
TIGHTENING TORQUES	3-56
CHECKING, DISASSEMBLING AND SERVICING	3-57
[1] CLUTCH HOUSING	3-57
DISASSEMBLING AND ASSEMBLING	3-58
(1) Draining the Transmission Fluid	3-58
(2) Separating Panel Frame Assembly	3-58
(3) Separating Rear Fenders and Platform Assembly	3-511
(4) Separating Clutch Housing Case	3-512
(5) Disassembling Clutch Housing Case	3-515
SERVICING	3-518
[2] MID CASE	3-520
CHECKING AND ADJUSTING	3-521
DISASSEMBLING AND ASSEMBLING	3-522
(1) Draining the Transmission Fluid	3-522
(2) Separating Panel Frame Assembly	3-522
(3) Separating Rear Fenders and Platform Assembly	3-525
(4) Separating Mid Case	3-526
(5) Disassembling Mid Case of Manual Shift Transmission	3-528
(6) Disassembling Mid Case of GST Transmission	3-530
(7) Disassembling Independent PTO Clutch Pack and Valve	3-533
SERVICING	3-536
[3] TRANSMISSION CASE	3-539
DISASSEMBLING AND ASSEMBLING	3-540
(1) Draining the Transmission Fluid	3-540
(2) Separating Panel Frame Assembly	3-540
(3) Separating Rear Fenders and Platform Assembly	3-543
(4) Separating Transmission Case	3-544
(5) Disassembling Transmission Case	3-547
SERVICING	3-554
[4] GST VALVE	3-559
CHECKING AND ADJUSTING	3-559
DISASSEMBLING AND ASSEMBLING	3-563
(1) Draining the Transmission Fluid	3-563
(2) Disassembling GST Valves	3-563

SERVICING

CONTENTS

TROUBLESHOOTING	3-NS1
TROUBLESHOOTING (CONTINUED)	3-NS2
TROUBLESHOOTING (CONTINUED)	3-NS3
SERVICING SPECIFICATIONS	3-NS4
TIGHTENING TORQUES	3-NS5
CHECKING AND ADJUSTING	3-NS6
DISASSEMBLING AND SERVICING	3-NS10
[1] CLUTCH HOUSING AND HST	3-NS10
DISASSEMBLING AND ASSEMBLING	3-NS10
(1) Draining the Transmission Fluid	3-NS10
(2) Separating Panel Frame Assembly	3-NS10
(3) Separating Rear Fenders and Platform Assembly	3-NS12
(4) Separating Clutch Housing Case with HST Assembly	3-NS14
(5) Disassembling Clutch Housing	3-NS16
(6) Disassembling Hydrostatic Transmission	3-NS18
SERVICING	3-NS22
[2] MID CASE	3-NS26
DISASSEMBLING AND ASSEMBLING	3-NS26
(1) Draining the Transmission Fluid	3-NS26
(2) Separating Panel Frame Assembly	3-NS26
(3) Separating Rear Fenders and Platform Assembly	3-NS26
(4) Separating Clutch Housing with HST Assembly	3-NS26
(5) Separating Mid Case	3-NS26
(6) Disassembling Mid Case	3-NS27
SERVICING	3-NS28
[3] TRANSMISSION CASE	3-NS29
DISASSEMBLING AND ASSEMBLING	3-NS29
(1) Draining the Transmission Fluid	3-NS29
(2) Separating Panel Frame Assembly	3-NS29
(3) Separating Rear Fender and Platform Assembly	3-NS29
(4) Separating Clutch Housing with HST	3-NS29
(5) Separating Mid Case	3-NS29
(6) Separating Hydraulic Cylinder and Rear Axle Case	3-NS29
(7) Disassembling Transmission Case.....	3-NS33

CHECKING AND ADJUSTING



[A] Free Travel

(1) Lock Nut (2) Turnbuckle

Checking Brake Pedal Free Travel

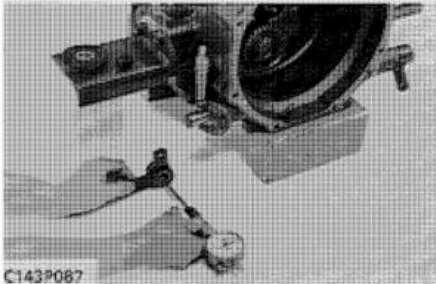
⚠ CAUTION

- Stop the engine and remove the key, then chock the wheels before checking brake pedal.

1. Release the parking brake.
2. Slightly depress the brake pedals and measure free travel at top of pedal stroke.
3. If the measurement is not within the factory specifications, loosen the lock nut (1) and adjust with the turnbuckle (2).
4. Retighten the lock nut (1).

Brake pedal free travel	Factory spec.	15 to 20 mm (0.6 to 0.8 in.) on the pedal
	Factory spec.	Keep the free travel in the right and left brake pedals equal

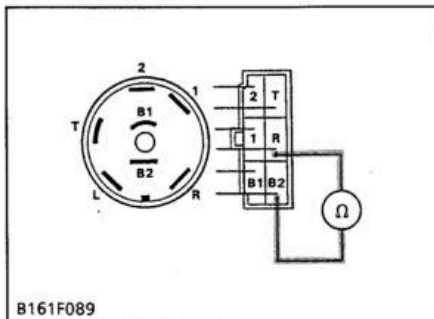
SERVICING



Clearance between Brake Lever Link Shaft and Bushing

1. Measure the brake lever link shaft O.D. with an outside micrometer.
2. Measure the brake lever link bushing I.D. with a cylinder gauge.
3. Calculate the clearance.
4. If the clearance exceeds the allowable limit, replace the bushing.

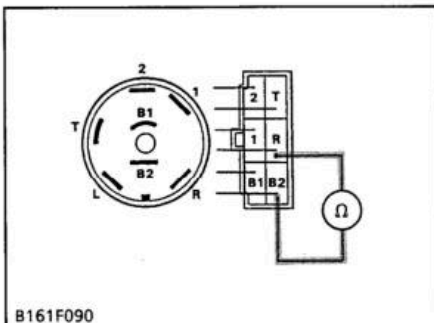
Clearance between brake lever link shaft and brake lever link bushing	Factory spec.	0.125 to 0.195 mm 0.00492 to 0.00768 in.
	Allowable limit	1.0 mm 0.039 in.
Brake lever link shaft O.D.	Factory spec.	19.955 to 19.975 mm 0.78563 to 0.78642 in.
Brake lever link bushing I.D.	Factory spec.	20.100 to 20.150 mm 0.79134 to 0.79331 in.



Hazard Light Switch Continuity When Setting Switch Lever at OFF Position

1. Disconnect the connector from the combination switch after disconnect the negative cable from the battery.
2. Set the hazard light switch to the **OFF** position.
3. Measure the resistance with an ohmmeter across the **B2** terminal and **R** terminal.
4. If infinity is not indicated, the combination switch is faulty.

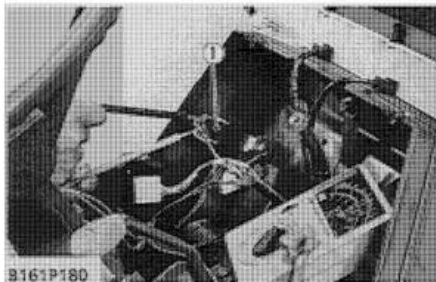
Resistance Switch lever at OFF position	B2 terminal – R terminal	Infinity
--	---	----------



Hazard Light Switch Continuity When Setting Switch Lever at ON Position

1. Set the hazard light switch to the **ON** position.
2. Measure the resistance with an ohmmeter across the **B2** terminal and **R** terminal.
3. If 0 ohm is not indicated, the combination switch is faulty.

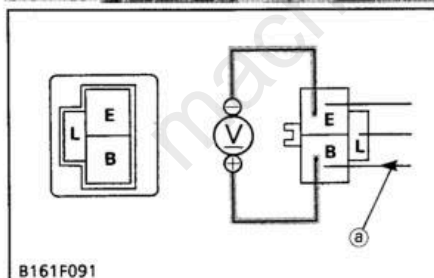
Resistance Switch lever at R position	B2 terminal – R terminal	0 ohm
--	---	-------



Hazard Unit Connector Voltage

1. Disconnect the connector from the hazard unit after disconnect the negative cord from the battery.
2. Connect the negative cord to the battery, and measure the voltage with a voltmeter across the connector **B** terminal and **E** terminal.
3. If the voltage differs from the battery voltage, the main switch, fuse or wiring harness is faulty.

Voltage	B terminal – E terminal	Approx. battery voltage
---------	--	----------------------------



(a) From Main Switch B Terminal

- (1) Hazard Unit

Full Version Available

Kubota L4310 Tractor Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/kubota-l4310-tractor-workshop-manual/>