



Kubota ZD1211 **(p/n: 1KUBZD1211WK)** **Wiper / Washer Kit**

Service Parts:	
Wiper Motor	8SV-9PWA4A1-A
Wiper Arm	9SV-9PWA20/24-PG
Wiper Blade	9SV-9PWB24-FB
Circuit Breaker 5A	9SV-APBR
Circuit Breaker 10A	9SV-CB-10A
Wire, Power Jumper	9SV-WH-00035
Washer Bottle	9SV-9PWW2
Washer Harness	8SV-113-00260
Wiper Switch	9SV-0HC6
Wiper Switch Cover	9SV-9PCD1-D
Washer Switch	9SV-OHC-22
Washer Switch Cover	9SV-PCD1L
Anti Return Valve	9SV-9PWW5

Approximate Installation Time *

Experienced Dealer Technician – 30 Mins

Average Dealer Technician – 45 Mins

Do-It-Yourself – 1 Hour

TOOLS REQUIRED:

- Set of Standard and Metric Sockets (3/8" Drive)
- Set of Standard and Metric Open-End Wrenches
- Drill/Driver
- #2 Phillips Head Bit
- Drill Bits
- Snips

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Rev. B, 10/14/2021

p/n: IM-1KUBZD1211WK

ACCESSORY INSTALLATION

Step 1: (Installation)

- 1.1 Follow the instructions for installing the console kit to the point where it says install other accessories at this time.
- 1.2 Remove switch plugs and dome plugs from the console panel and install the supplied switches.

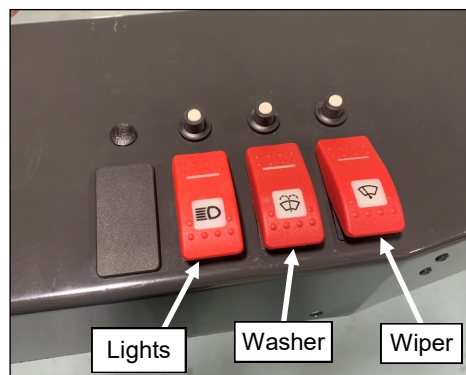


Fig. 1.2 (Install Switches)

- 1.3 Install the supplied 5A circuit breaker above the momentary switch with the washer symbol on it.

Hardware Used
Plastic Nut (thin)

Qty
1

- 1.4 Install the supplied 10A circuit breaker above the three position switch with the wiper symbol on it.

Hardware Used
Plastic Nut (thin)

Qty
1

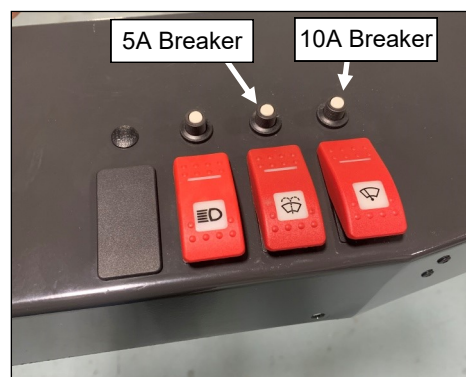


Fig. 1.3 (Install Circuit Breakers)

- 1.5 Attach the wiper blade to the wiper arm. The blade guard, black plastic u-sleeve, and shoulder screw provided with the wiper blade can be discarded at this time.

Secure through the small hole in the wiper blade, but do not over tighten. Blade should pivot freely.

Hardware Used
#10-32 x 1" Screw
#10-32 Locknut

Qty
1
1

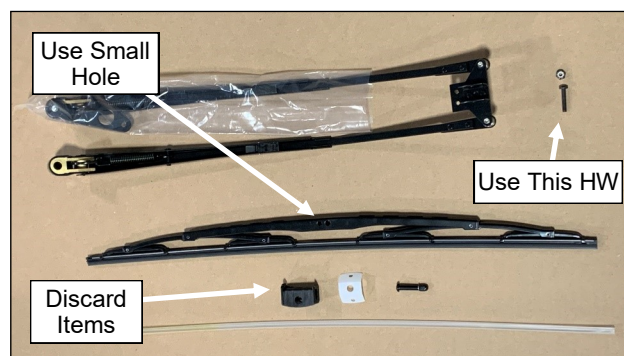


Fig. 1.5 (Assemble Wiper Blade + Arm)

- 1.6 Remove three hole plugs from the center of the windshield support above the windshield.
- 1.7 Install the supplied 90 degree washer fitting through the windshield as shown.

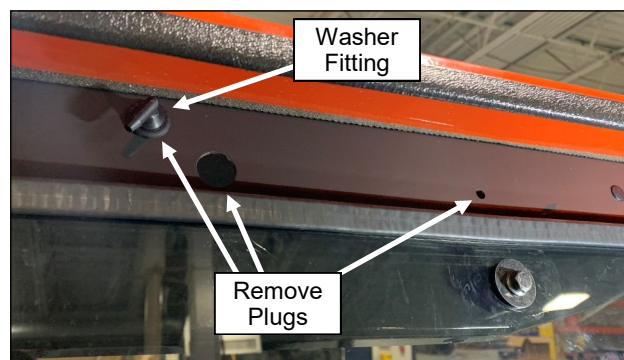


Fig. 1.6 (Remove Plugs and Install Fitting)

ACCESSORY INSTALLATION

- 1.8 Remove the large nut, steel washer, and rubber washer from the shaft on the wiper motor.



Fig. 1.8 (Remove Hardware from Wiper Motor)

- 1.9 Install the wiper motor through the hole in the windshield support and secure the wiper motor to the windshield support through the tab at the end of the motor as shown.

Hardware Used

#10-32 x 3/4" Screw

#10-32 Locknut

Qty

1

1

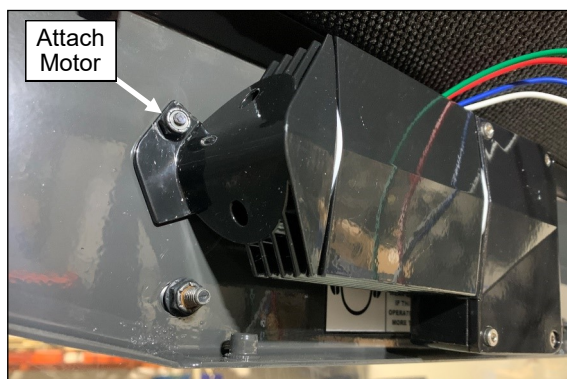


Fig. 1.9 (Fasten Wiper Motor)

- 1.10 Install the supplied bushing onto the wiper motor shaft and then re-install the rubber washer, steel washer, wiper arm bracket, and nut as shown. Finger tighten at this time.

Hardware Used

Spacer Bushing

Rubber Washer (from wiper shaft)

Steel Washer (from wiper shaft)

Nut (from wiper shaft)

Qty

1

1

1

1

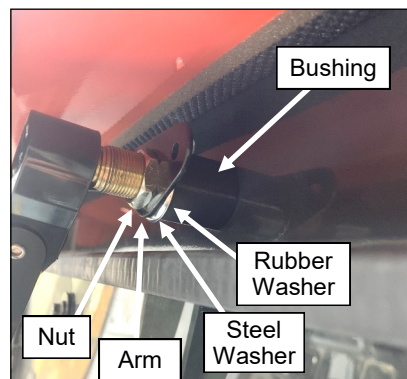


Fig. 1.10 (Fasten Wiper Motor)

- 1.11 Install the wiper arm onto the shaft and loosely install the M8 nut.

Rotate the arm so that the blade is vertical and located on the right side of the windshield.

Tighten the M8 nut as well as the large nut on the wiper motor shaft.

Move the nut cover on the wiper arm back into position.

Hardware Used

M8 x 1.25 Locknut

Qty

1



Fig. 1.11 (Install Wiper Arm)

ACCESSORY INSTALLATION

- 1.12 Install the supplied sprayer nozzle to the wiper arm as shown and route the hose up the arm.
- 1.13 Install a clip to the hose and secure it to the wiper arm.

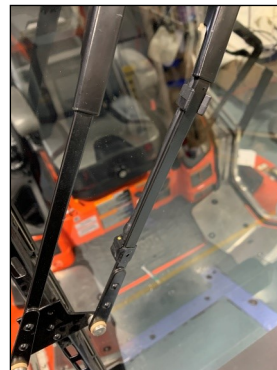


Fig. 1.12 (Install Washer Sprayer Nozzle)

- 1.14 Use a cable tie to secure the hose to the spring under the wiper arm.

Hardware Used
4" cable tie (thin)

Qty
1

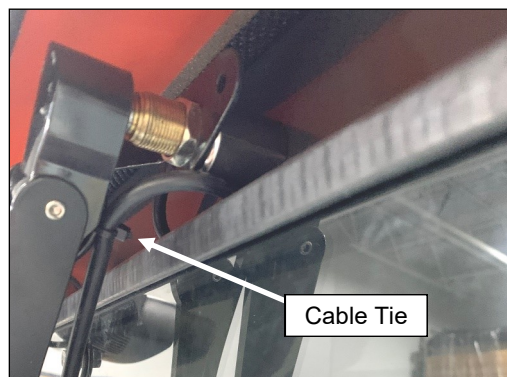


Fig. 1.14 (Install Cable tie Under Wiper Arm)

- 1.15 Cut the hose to length and install onto the 90 degree washer fitting. Use a little water to lubricate the hose and allow it to install onto the barb easier.

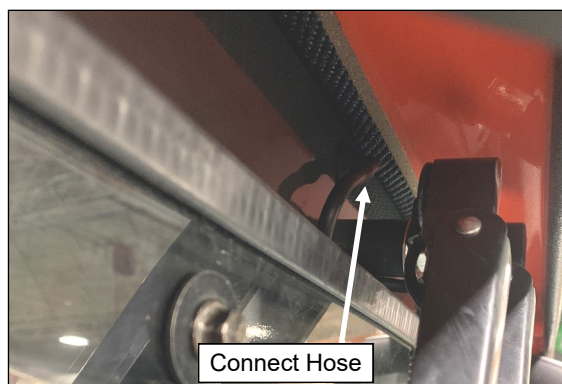


Fig. 1.15 (Attach Hose to Fitting)

- 1.16 Connect the plug on the wiper motor wires to the back of the three position switch with the wiper icon.

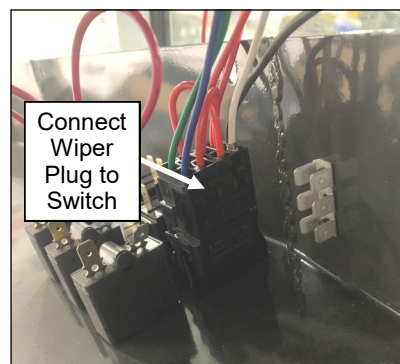


Fig. 1.16 (Connect Wiper to Switch)

ACCESSORY INSTALLATION

- 1.17 Connect the piggyback terminal on the red jumper wire harness in the wiper kit to terminal #1 on the wiper circuit breaker.
- 1.18 Connect the other end of the jumper harness to terminal #1 on the washer circuit breaker. If installing lights, add an additional jumper on the washer circuit breaker.
- 1.19 Connect the push-on terminal on the end of the red power wire on the console harness to the piggyback terminal on the wiper circuit breaker.

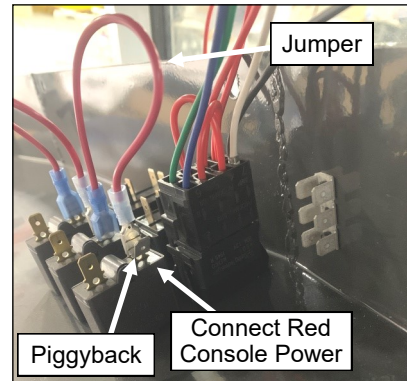


Fig. 1.17 (Connect Wiring)

- 1.20 Connect the red wire with the push-on terminal coming from the back of the wiper switch to the circuit breaker tab labeled #2 as shown.
- 1.21 Connect the black wire with the push-on terminal coming from the back of the wiper switch to the ground strip.

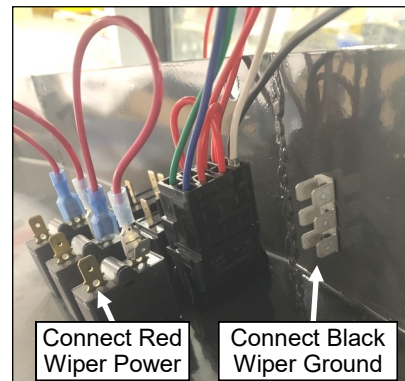


Fig. 1.20 (Connect Wiring)

- 1.22 Connect the washer wire harness to the back of the washer switch.
- 1.23 Connect the red push-on terminal coming from the back of the switch to the #2 terminal on the washer circuit breaker
- 1.24 Connect the black push-on terminal coming from the back of the washer switch to the ground strip.

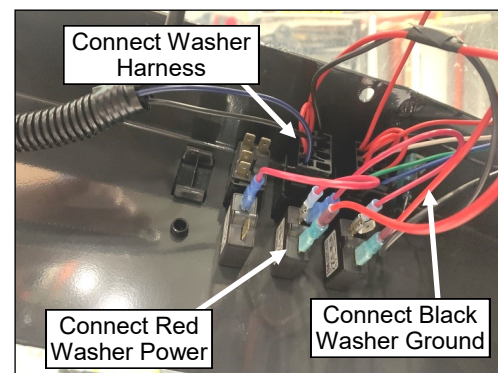


Fig. 1.22 (Connect Washer Wiring)

- 1.25 Connect the rubber washer hose to the fitting installed in the windshield support.

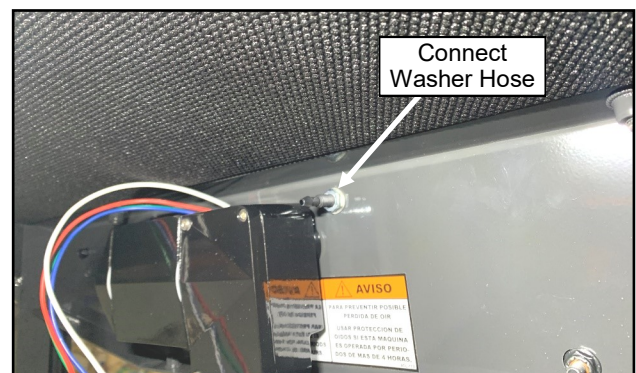


Fig. 1.25 (Connect Washer Hose)

ACCESSORY INSTALLATION

- 1.26 Route the washer harness along the left door header, feed it through the hole in the hinge tube, and route it down along the rear side of the hinge tube.



Fig. 1.26 (Route Harness)

- 1.27 Connect the short length of washer hose to the barb on the washer pump. Use water to help lubricate the hose for easier installation.
- 1.28 Install the anti-return valve into the short section of hose with the arrow on the valve pointing away from the washer pump.
- 1.29 Connect the washer hose to the valve.

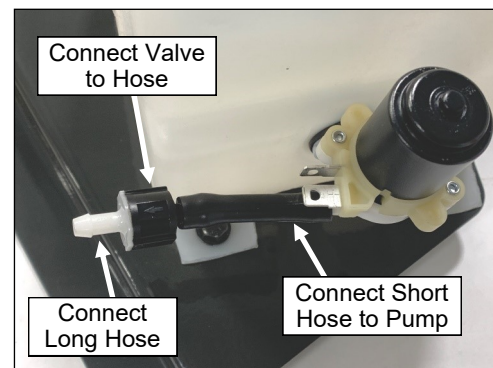


Fig. 1.27 (Connect Washer Hose to Pump)

- 1.30 Connect the blue wire to the terminal labeled with (+).
- 1.31 Connect the black wire to the remaining terminal on the washer pump.

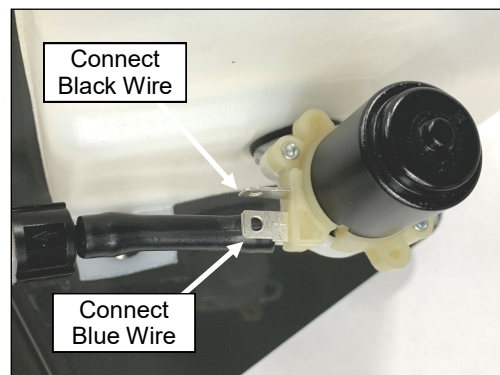


Fig. 1.30 (Connect Pump Wiring)

- 1.32 Remove and save the nuts from the two bolts on the lower rear panel as shown.
- 1.33 Install the washer bottle bracket and re-install the two nuts.
- 1.34 Using the third hole at the front of the washer bracket as a guide, drill through the cab panel with an 11/32" drill bit.
- 1.35 Install a bolt through the newly drilled hole and tighten.

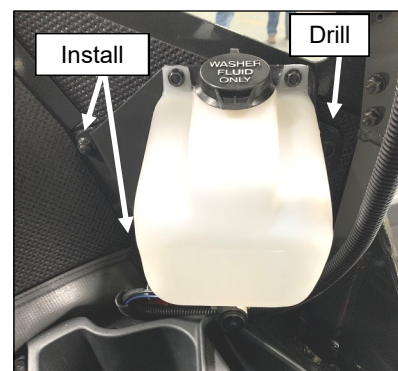


Fig. 1.32 (Install Washer Bracket)

ACCESSORY INSTALLATION

- 1.36 Secure the washer harness to the hinge panel using p-clamps as shown.

<u>Hardware Used</u>	<u>Qty</u>
3/4" P-Clamp	4
#10x3/4" Self Drill/Tap Screw	4

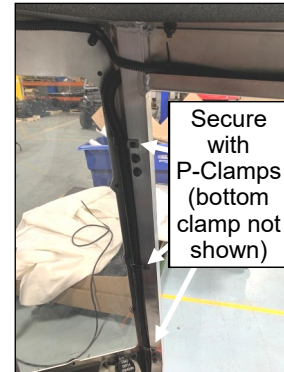


Fig. 1.36 (Secure Harness)

- 1.37 Secure the washer harness to the door header with cable ties as shown. If installing work lights, do not install the cable ties until work light wiring is complete.

<u>Hardware Used</u>	<u>Qty</u>
8" cable tie (heavy duty)	3

- 1.38 Continue installing the work lights (if applicable) and then the console at this time.



Fig. 1.37 (Secure Harness)