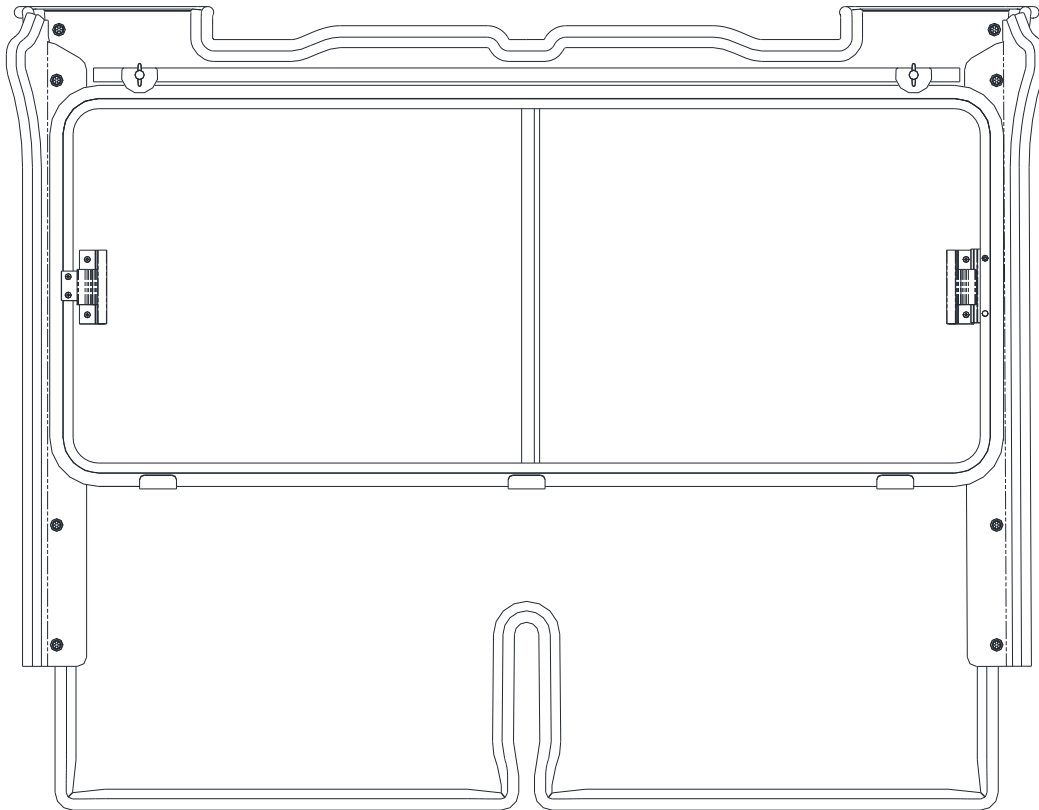


OWNER'S MANUAL

MANUAL P/N: 77700-06973

Kubota®

CENTER PANEL WITH SLIDER
P/N: VC5046



For use with KUBOTA RTV X1140

Rev. C, 10/03/2023

PLEASE READ THIS MANUAL CAREFULLY
KEEP READY AT ALL TIMES

INTRODUCTION

This is the owner's manual for the Center Panel with Slider kit for the Kubota RTV X1140. This manual includes installation of the center panel onto the vehicle, with the cab already installed.

This kit requires:

VC5045 CAB ENCLOSURE, VC5043 or VC5044 CANOPY

Approximate installation time: 40 MINUTES (not including accessories or other cab components)



SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.



DANGER:

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING:

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION:

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

IMPORTANT:

Indicates that equipment or property damage could result if instructions are not followed.

NOTE:

Gives helpful information.

Legal Disclaimer

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California Proposition 65



WARNING



Engine exhaust, some of its constituents, certain vehicle components and fluids, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TABLE OF CONTENTS

INTRODUCTION	1
TABLE OF CONTENTS	2
SAFETY INFORMATION	3
GENERAL SAFETY INFORMATION	4
OPERATION	7
INSTALLATION	8
PARTS BREAKDOWN	10



SAFETY INFORMATION

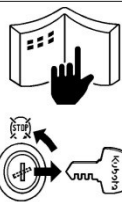


WARNING:

- This kit adds an additional 45lbs (20.4Kg) to the weight of the base vehicle. Deduct the accessory's total weight from the vehicle's rated capacity including driver and passenger. Never operate the vehicle outside of its rated weight capacity.
- Use proper personal protective equipment during all phases of installation, removal and operation.



GENERAL SAFETY INFORMATION



IBM001A

BEFORE YOU START SERVICE

- Read all instructions and safety instructions in this manual and on your machine safety decals.
- Clean the work area and machine.
- Park the machine on a stable and level ground, and set the parking brake.
- Lower the implement to the ground.
- Stop the engine, then remove the key.
- Disconnect the battery negative cable.
- Hang a "DO NOT OPERATE" tag in the operator station.

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- When performing maintenance on the equipment, hang the DO NOT OPERATE sign where it will be obvious from and around the driver's seat.
- When performing maintenance or repairs, always lower attachments to the ground, stop the engine and secure the tracks with blocks.
- When performing maintenance on the equipment, always disconnect the negative battery cable.
- Before using tools, make sure you understand how to use them correctly and use tools in good condition and of the right size for the job.

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IBM002A

START SAFELY

- Do not do the procedures below when you start the engine.
 - short across starter terminals
 - bypass the safety start switch
- Do not alter or remove any part of machine safety system.
- Before you start the engine, make sure that all shift levers are in neutral positions or in disengaged positions.
- Do not start the engine when you stay on the ground. Start the engine only from operator's seat.

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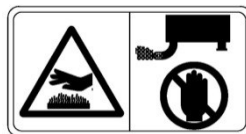


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Starting the Machine Safely

- Before starting the engine, always sit in the driver's seat and make sure the area is safe and clear.
- As it is dangerous, never start the engine from anywhere but the driver's seat.
- Always check and make sure control lever(s) are not engaged before starting the engine.
- Never start the engine by hot-wiring the starter circuit. This is not only dangerous, but may damage the machine.

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RY9212091IBM002A



RY9212091IBM001A

No Smoking or Open Flames while Fueling

- Fuel is extremely flammable and dangerous. Never smoke near fuel. If fuel is spilled on the machine, its engine, or electrical parts, it may cause a fire. If fuel is spilled, wipe it all up immediately.
- Never smoke while filling the machine with fuel. And always tighten the fuel cap securely and wipe up any spilled fuel.

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- Before getting on/off of the machine, clean off around the steps so there is no mud on them. Always give yourself 3-point support when getting on/off the machine.

CAUTION

- 3-point support means using both legs and one hand or both hands and one leg as you climb up/down.

RY9212038INI0003US0

- Do not remove the radiator cap when the engine operates, or immediately after it stops. If not, hot water can spout out from the radiator. Only remove the radiator cap when it is at a sufficiently low temperature to touch with bare hands. Slowly loosen the cap to release the pressure before you remove it fully.

- The engine, muffler, radiator, hydraulic line, etc., have parts that remain very hot even after the engine has been stopped. Be sure to avoid these parts, as touching them can result in burns. Radiator coolant, hydraulic fluid and oil also remain hot. Therefore, do not attempt to remove caps and plugs, etc., before these fluids have sufficiently cooled.
- Make sure the coolant temperature has dropped sufficiently before opening the radiator cap. Also, since the inside of the radiator is pressurized, when removing the cap, first loosen it to release the pressure before removing the cap completely.

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- Grease is under high pressure inside the hydraulic cylinder. It is very dangerous to loosen a grease nipple quickly as it may shoot off. Always loosen grease nipples slowly.
- And never face a grease nipple while loosening it.

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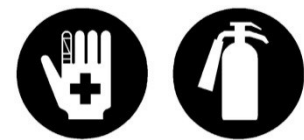
- Wear clothes appropriate for working on equipment. Do not wear loose-fitting clothes as they may catch on the machine controls.
- When working on the equipment, use all safety gear, such as a helmet, safety glasses and shoes, that are required by law or regulation.
- Never perform maintenance while drowsy or under the influence of alcohol or drugs.

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Be Ready for an Emergency

- Keep a first-aid kit and fire extinguisher close at hand so you can use it when needed.
- Keep emergency contact information for doctors, hospitals and ERs handy.

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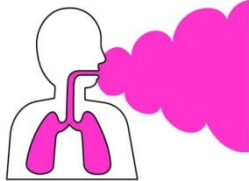
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- The pressure in the hydraulic circuit stays at pressure even after the engine stops. Before removing parts, such as hydraulic devices from the machine, first release the pressure. Please note that when releasing residual pressure, the machine itself and/or implements may move without warning, so be very careful when releasing the pressure.
- Oil gushing out under pressure is extremely dangerous as it may pierce your skin or your eyes. Similarly, oil leaking out of pinholes is not visible. So when checking for oil leaks, always wear safety glasses and gloves and use a piece of cardboard or a wood block to shield yourself from oil.

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- Do not open a fuel system under high pressure. The fluid under high pressure that stays in fuel lines can cause serious injury. Do not disconnect or repair the fuel lines, sensors, or any other components between the fuel pump and injectors on engines with a common rail fuel system under high pressure.
- Put on an applicable ear protective device (earmuffs or earplugs) to prevent injury against loud noises.
- Be careful about electric shock. The engine generates a high voltage of more than DC100 V in the ECU and is applied to the injector.

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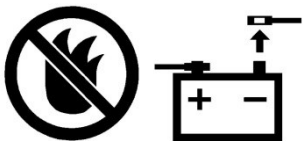
KEEP A GOOD AIRFLOW IN THE WORK AREA

- If the engine is in operation, make sure that the area has good airflow. Do not operate the engine in a closed area. The exhaust gas contains poisonous carbon monoxide.

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GENERAL SAFETY INFORMATION

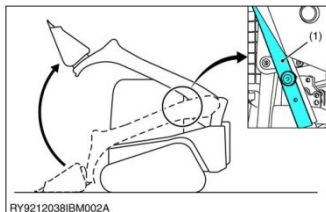


IBM006A

PREVENT A FIRE

- Fuel is very flammable and explosive under some conditions. Do not smoke or let flames or sparks in your work area.
- To prevent sparks from an accidental short circuit, always disconnect the battery negative cable first and connect it last.
- The battery gas can cause an explosion. Keep the sparks and open flame away from the top of battery, especially when you charge the battery.
- Make sure that you do not spill fuel on the engine.

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- Make sure the lift arm stopper is properly engaged before performing any work beneath raised lift arms. Never attempt to do any work or move under the lift arms when they are not properly supported.
- Keep in mind that the lift arms may fall whenever hydraulic lines are disconnected, loosened, or removed. Any malfunction or failure in the hydraulics can also cause lift arms to drop.
- Always perform the necessary repairs or service whenever the lift arm stopper becomes damaged or malfunctioned, or part are missing. Damaged or malfunction the lift arm stopper may cause the lift arms to fall causing serious injury or death.

(1) Lift arm stopper

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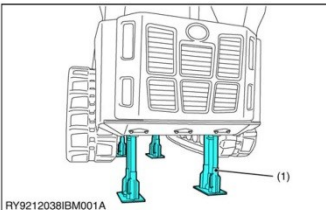


IBM009A

Dispose of Waste Fluids Properly

- Never dispose of waste fluids on the ground, in the gutter, a river, pond or lake. Always dispose of hazardous substances like waste oil, coolant and electrolytic fluid in accordance with the relevant environmental protection regulations.
- Keep the safety plates clean so they can be read. If a safety plate is damaged and comes off or becomes illegible, put a plate with the same warnings back in its place.

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- When you need to access the underside of the machine for maintenance purposes, but sure to support the machine with a safety stand. Getting under the machine while supporting the machine by machine's own hydraulic cylinder or using a hydraulic jack can be extremely dangerous in the event of a hydraulic fluid leakage or similar mishap.

(1) Safety stand

RY9212038INI0004US0

- Whenever it is necessary to open the engine covers or hood in order to service the machine, always prop them open.
- If it is absolutely necessary to run the engine while working on the machine, make sure you are clear of all rotating or moving parts. Also take care not to leave anything, such as tools or rags, near any moving parts.

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OPERATION

CARE AND MAINTENANCE:

Check and tighten hardware after 20 hours of operation.

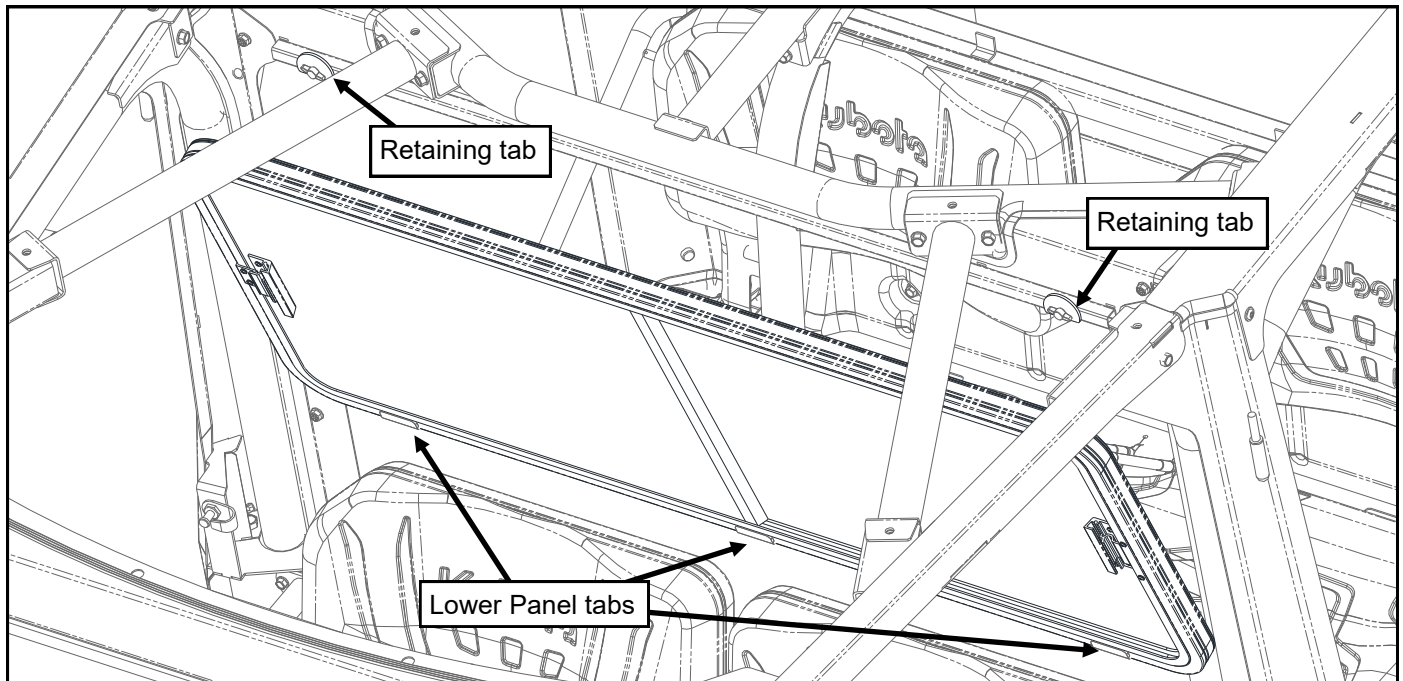
Periodically inspect and tighten hardware for the remainder of the unit's service life.

Keep the enclosure components clean in order to prevent dust and dirt from forming an unattractive film. The life of your canopy depends upon following these care procedures:

1. **NEVER USE** AN ABRASIVE DETERGENT / VEHICLE CLEANER OR A WIRE BRISTLED BRUSH. Do not use any **CITRUS BASED CLEANERS** such as orange or lemon. Use of these products may cause permanent damage.
2. **NEVER USE** AN ALCOHOL-BASED PRODUCT FOR CLEANING PLASTIC WINDOWS. Do not use **WINDEX, GLASS PLUS, FANTASTIC**, etc. Use of these products will result in deterioration of the plastic windows.
3. Clean the enclosure surfaces thoroughly with warm soapy water and a COTTON cloth or chamois. Be sure to use mild soap, specifically a dish liquid or equivalent. Clean in a light circular motion for best results.
4. Use EXTRA CAUTION when cleaning the interior of the enclosure.
5. Remove grease and oil with mineral spirits and a COTTON cloth or chamois.

CENTER PANEL SLIDER:

- This center panel kit is designed to separate and seal the front passenger compartment from the rear, and to seal the front compartment when the vehicle is in two-passenger configuration.
- The center sliding window can be opened from either side, or removed entirely as desired for airflow.
- To remove the sliding window, loosen the thumb screws and rotate the retaining tabs to clear the rubber of the slider. The window may then be rotated forward and lifted out of the lower tabs. Re-tighten the thumbscrews to prevent the loss of any hardware.



INSTALLATION

All installation procedures listed within this manual are generally representative of the machine model for which the manual is written. Your machine may be configured differently (e.g. SP1 vs. SP2, etc.), but the outline for the procedure should still be followed. For further support for any issues not covered within the pages of this manual, please contact your local Kubota representative.



WARNING:

TO PREVENT SERIOUS PERSONAL INJURY OR DEATH: REQUIRED BEFORE INSTALLATION:

1. Read and understand this entire manual and any other publications for the equipment being operated.
2. Ensure that the surrounding area is clear and that personnel are positioned away from the area where engagement and disengagement of attachments will occur.
3. Always shut off engine when leaving the operator's area to perform any portion of the listed procedures.

IMPORTANT:

- The center panel can only be installed after the main structural frame elements of the cab enclosure have been installed.
- Installing the center panel prior to the canopy and doors will ease the overall assembly.

TOOLS REQUIRED:

- 1/2" SAE open ended wrench and socket
- 12mm Metric socket
- Torque Wrench
- Ratchet
- Scissors or shears
- Measuring tape

STEP 1: Lower Center Panel

- 1.1 Convert the rear seat into its rear, four-passenger configuration.
- 1.2 Remove the upper (4) M8 bolts from the center cross braces of the vehicle ROPS. Do not loosen or remove the lower bolts (see Figure 1.2).
- 1.3 Place the lower center panel on top of the ROPS (Roll-Over Protective System) center cross braces, with the top flange of the panel facing to the rear and the panel in front of the lower tabs on the cab B-pillars.
- 1.4 Align the panel to the holes in the ROPS and B-pillar tabs and install the M8 bolts into the ROPS. Install the bolts snug but do not apply final torque.

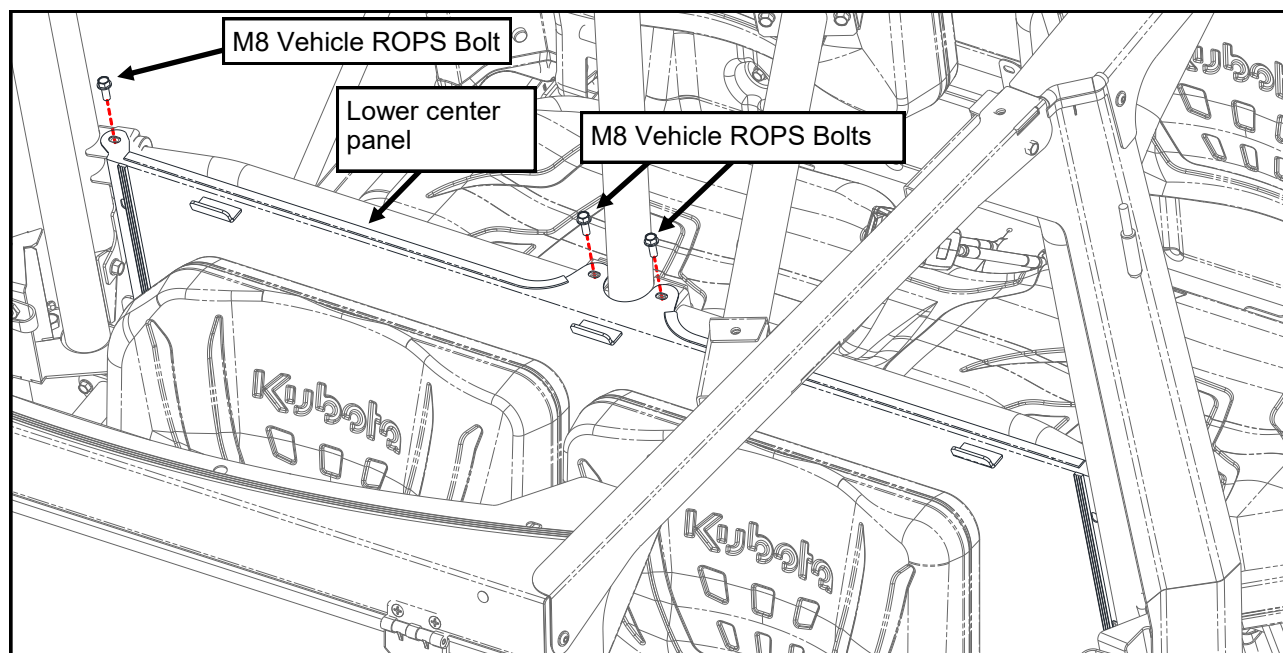


Figure 1.2: Lower Center Panel

INSTALLATION

STEP 2: Upper Center Panel

- 2.1 Place the upper center panel in front of the upper B-pillar tabs, with the upper flanges facing to the rear (see Figure 2.1). Secure the panel to the B-pillar tabs, through the upper hole on each side of the upper panel, with 5/16-18 x 3/4" bolts and nuts. Install with bolts on the front side of the panel and leave loose.
- 2.2 Measure between the upper and lower center panels at each side, adjust to $20\text{-}7/8" \pm 1/8"$ (530.6mm \pm 3mm) and tighten the 5/16" bolts snug.
- 2.3 Cut the supplied foam tape into two pieces, approximately 2" long, and insert the foam into the gaps at the ends of the front roof cross beams (see Figure 2.1). The foam should completely fill the gap.

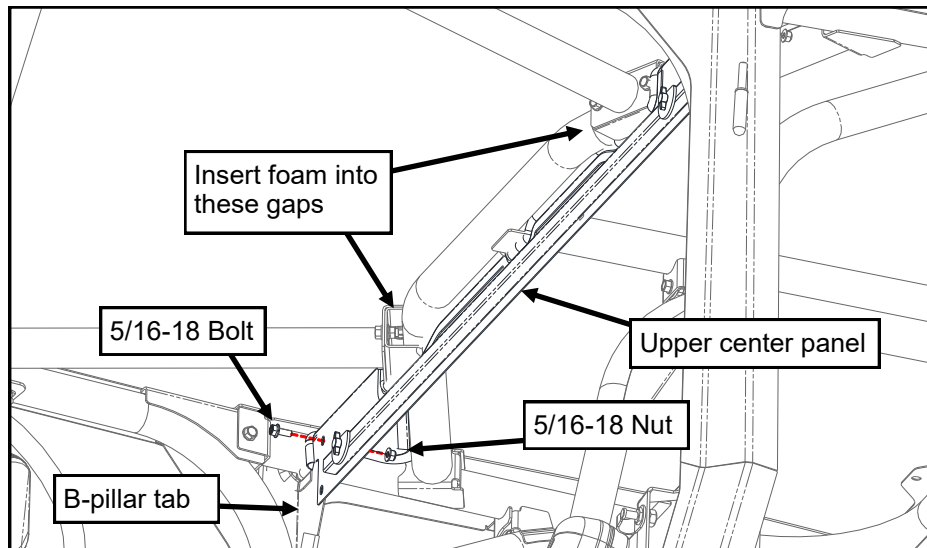


Figure 2.1: Upper Center Panel

Center Side

STEP 3: Panels

- 3.1 Place each side panel with the bulb rubber against the ROPS frame, in front of the upper and lower center panels (see Figure 3.1).
- 3.2 Secure each side panel with (1) 5/16-18 x 3/4" bolt through the lower hole of the upper panel and (2) bolts through the lower panel, with bolts on front side and nuts on the rear side. Tighten snug.

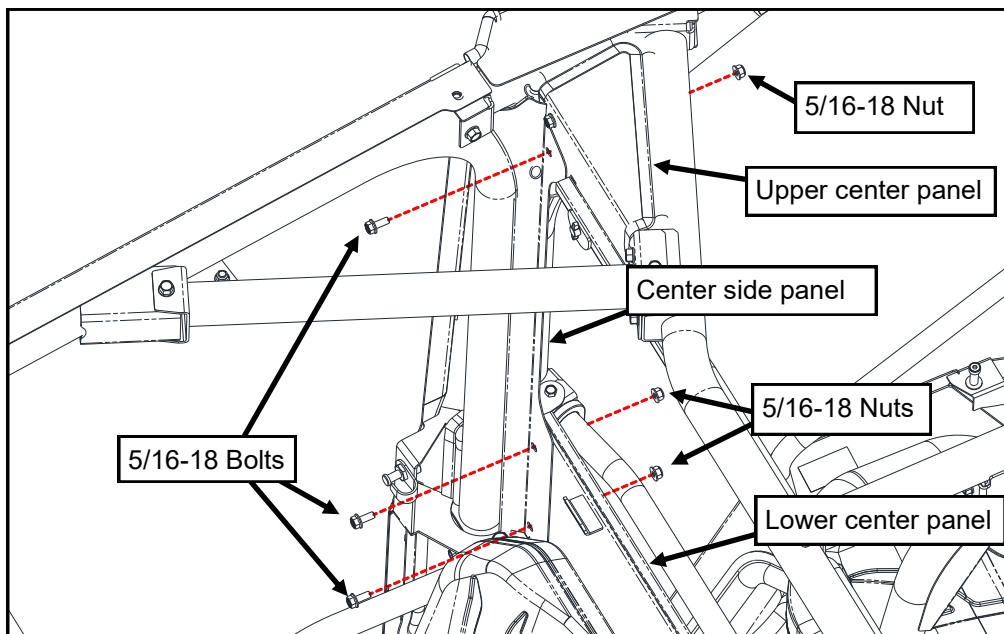


Figure 3.1: Center Side Panels

INSTALLATION

STEP 4: Center Sliding Window

- 4.1 Rotate the retaining tabs of the upper panel entirely above the upper panel tube and tighten the thumb screws snug.
- 4.2 Place the center sliding window on the tabs of the lower center panel with the rubber facing rear, and the drain holes in the sliding window on the bottom (see Figure 4.2).
- 4.3 Push the sliding window against the upper panel, loosen the thumb screws, rotate the retaining tabs down and re-tighten the thumb screws to hold the sliding window in place.
- 4.4 Verify that the sliding window has clearance to install and remove easily, and no gaps are visible between the frame and the upper, lower, side panels and sliding window. Re-adjust if necessary.
- 4.5 Torque the (8) 5/16-18 bolts and (4) M8 bolts to 19 ft-lbs. (25.8 N-m).
- 4.6 Remove the protective film from both sides of the center sliding window.

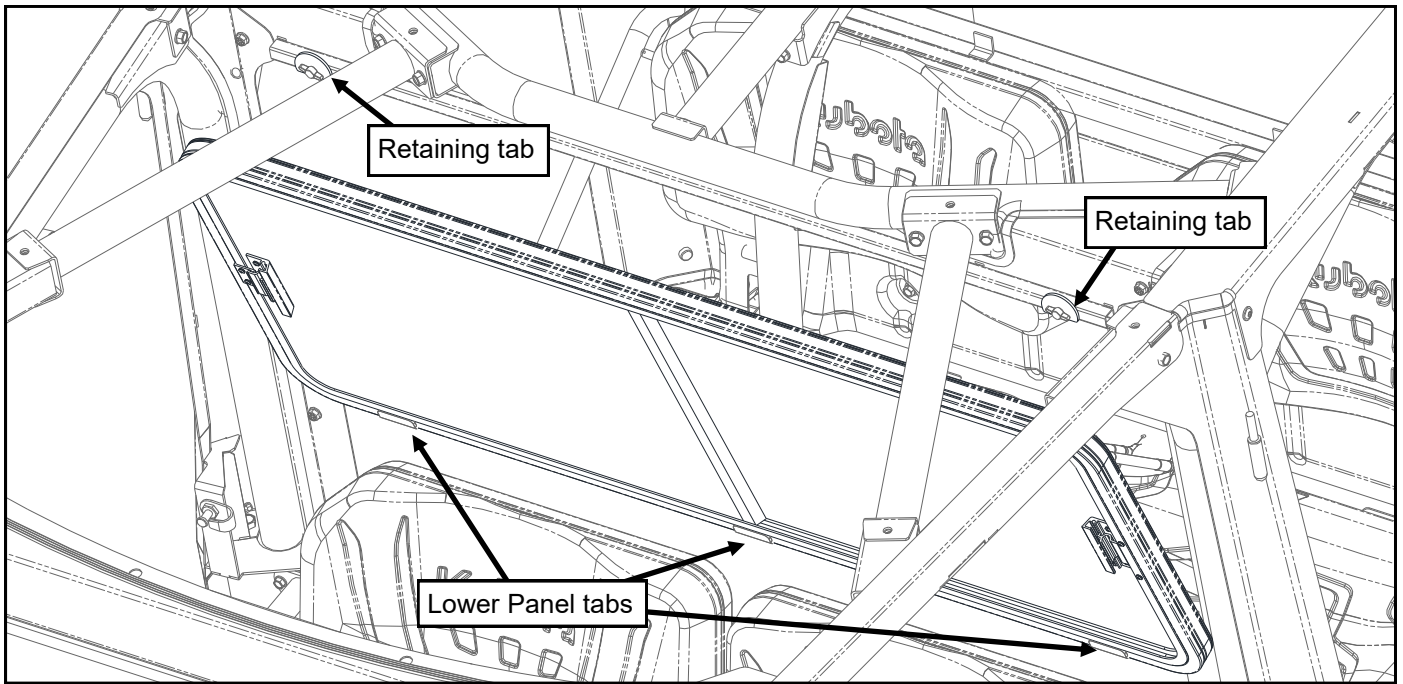
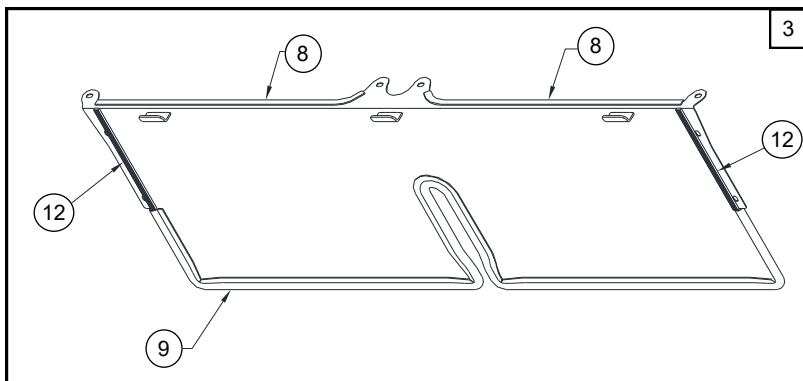
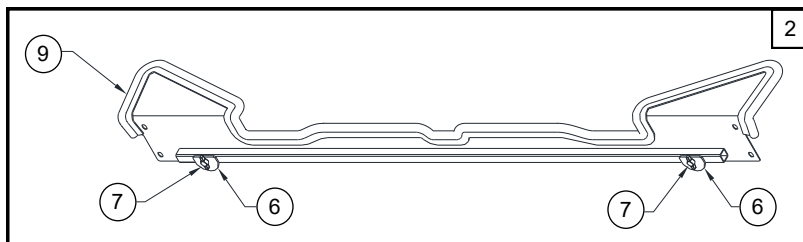
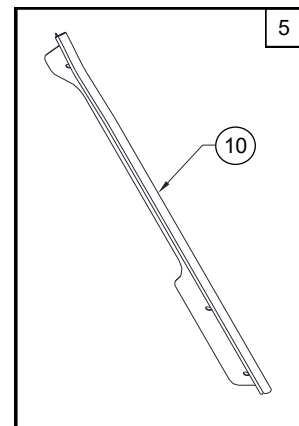
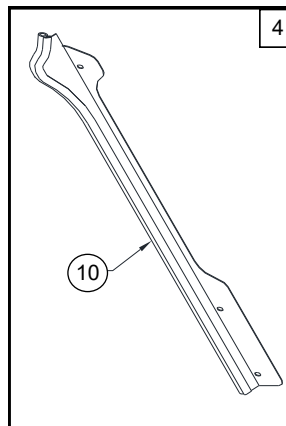
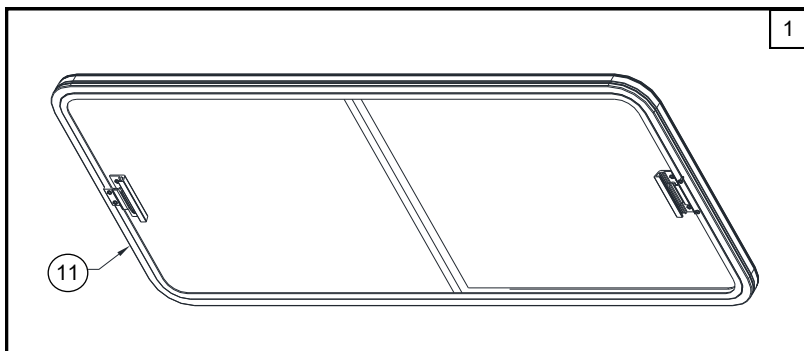


Figure 4.2: Center Sliding Window

SERVICE PARTS BREAKDOWN

KUBOTA RTV X1140 CENTER PANEL WITH SLIDER

ITEM #:	PART NUMBER:	CODE NUMBER:	QTY/KIT:	DESCRIPTION:
1	77700-06962	KX40-02	1	WINDOW, SLIDING (CENTER PANEL RTV X1140)
2	77700-06963	KX40-03	1	PANEL, CENTER UPPER, RTV X1140
3	77700-06964	KX40-04	1	PANEL, CENTER LOWER, RTV X1140
4	77700-06965	KX40-05L	1	PANEL, CENTER SIDE, LEFT, RTV X1140
5	77700-06966	KX40-05R	1	PANEL, CENTER SIDE, RIGHT, RTV X1140
6	77700-06967	PL-00005	2	TAB, LOCKING, REMOVABLE SLIDER, BLACK
7	77700-06968	70-77-0173	2	THUMB SCREW, 1/4-20 X 3/4, BLACK
8	70000-01050	9PRO1-220	1	TRIM RUBBER (220")
9	70000-01041	9PRO2	1	5/8" STANDARD BULB RUBBER (180")
10	77700-06969	9PR27	1	5/8" OFFSET SIDE BULB RUBBER (180")
11	77700-06970	9PR29	1	7/16" SIDE BULB RUBBER WITH 1/4" GRIP (180")
12	70000-01045	9PR20-55	1	1/2" WEATHER SEAL RUBBER (55")
13	77700-06972	HWK-VC5046	1	HARDWARE KIT, CENTER PANEL WITH SLIDER, RTV X1140
N.S.	77700-06971	9PR40	1	EXPAND-A-FOAM, 2.36" X 3/4"










BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

Use the following torques when special torques are not given. These values apply to fasteners as received from suppliers, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads. Remember to always use grade five or better when replacing bolts.

IMPORTANT: On all PLATED GRADE 8 bolts, reduce torque 15% from listed bolt torque specification.

SAE Grade No.		2				5				8*			
Bolt head identification mark as per grade. NOTE: Manufacturing Marks Will Vary						  				  			
Bolt Size		TORQUE				TORQUE				TORQUE			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	7	8	9	11	12	15	12	15	16	20
5/16	7.94	10	12	14	16	17	20.5	23	28	24	29	33	39
3/8	9.53	20	23	27	31	35	42	48	57	45	54	61	73
7/16	11.11	30	35	41	47	54	64	73	87	70	84	95	114
1/2	12.70	45	52	61	70	80	96	109	130	110	132	149	179
9/16	14.29	65	75	88	102	110	132	149	179	160	192	217	260
5/8	15.88	95	105	129	142	150	180	203	244	220	264	298	358
3/4	19.05	150	185	203	251	270	324	366	439	380	456	515	618
7/8	22.23	160	200	217	271	400	480	542	651	600	720	814	976
1	25.40	250	300	339	406	580	696	787	944	900	1080	1220	1464
1-1/8	25.58	-	-	-	-	800	880	1085	1193	1280	1440	1736	1953
1-1/4	31.75	-	-	-	-	1120	1240	1519	1681	1820	2000	2468	2712
1-3/8	34.93	-	-	-	-	1460	1680	1980	2278	2380	2720	3227	3688
1-1/2	38.10	-	-	-	-	1940	2200	2631	2983	3160	3560	4285	4827

*Thick Nuts must be used with Grade 8 bolts

METRIC BOLT TORQUE SPECIFICATIONS

		5.6			8.8			10.9		
Size of Screw	Property Class	Course Thread			Fine Thread					
		Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meters			
M6	5.6	1.0	3.6-5.8	4.9-7.9	-	-	-			
	8.8		5.8-9.4	7.9-12.7		-	-			
	10.9		7.2-10	9.8-13.6		-	-			
M8	5.6	1.25	7.2-14	9.8-19	1.0	12-17	16.3-23			
	8.8		17-22	23-29.8		19-27	25.7-36.6			
	10.9		20-26	27.1-35.2		22-31	29.8-42			
M10	5.6	1.5	20-25	27.1-33.9	1.25	20-29	27.1-39.3			
	8.8		34-40	46.1-54.2		35-47	47.4-63.7			
	10.9		38-46	51.5-62.3		40-52	54.2-70.5			
M12	5.6	1.75	28-34	37.9-46.1	1.25	31-41	42-55.6			
	8.8		51-59	69.1-79.9		55-68	75.9-92.1			
	10.9		57-66	77.2-89.4		62-75	84-101.6			
M14	5.6	2.0	49-56	66.4-75.9	1.5	52-64	70.5-86.7			
	8.8		81-93	109.8-126		90-106	122-143.6			
	10.9		96-109	130.1-147.7		107-124	145-168			
M16	5.6	2.0	67-77	90.8-104.3	1.5	69-83	93.6-112.5			
	8.8		116-130	157.2-176.2		120-138	162.6-187			
	10.9		129-145	174.8-196.5		140-158	189.7-214.1			
M18	5.6	2.0	88-100	119.2-136	1.5	100-117	136-158.5			
	8.8		150-168	203.3-227.6		177-199	239.8-269.6			
	10.9		175-194	237.1-262.9		202-231	273.7-313			
M20	5.6	2.5	108-130	146.3-176.2	1.5	132-150	178.9-203.3			
	8.8		186-205	252-277.8		206-242	279.1-327.9			
	10.9		213-249	288.6-337.4		246-289	333.3-391.6			