



# INSTALLATION MANUAL

## EXTERIOR MIRRORS (77700-VC5076, VC5076)

### KUBOTA RTV-X900, RTV-X1120D, RTV-X1140, RTV-XG850

#### CALIFORNIA PROPOSITION 65

 **WARNING:**

Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### **Fits on:**

VC5020, VC5023, VC5025 Windshields, ROPS models without windshield.

#### **Fits with:**

V5027, V5028, V5258, V5259 Windshields.

### **BEFORE INSTALLING EXTERIOR MIRRORS**

- Read all instructions and safety instructions in this manual.
- Refer to your machine's operator's manual and safety instructions on your machine's safety decals.
- Wear appropriate personal protective equipment (PPE) when performing work.
- Hang a "**DO NOT OPERATE**" tag in operator station.

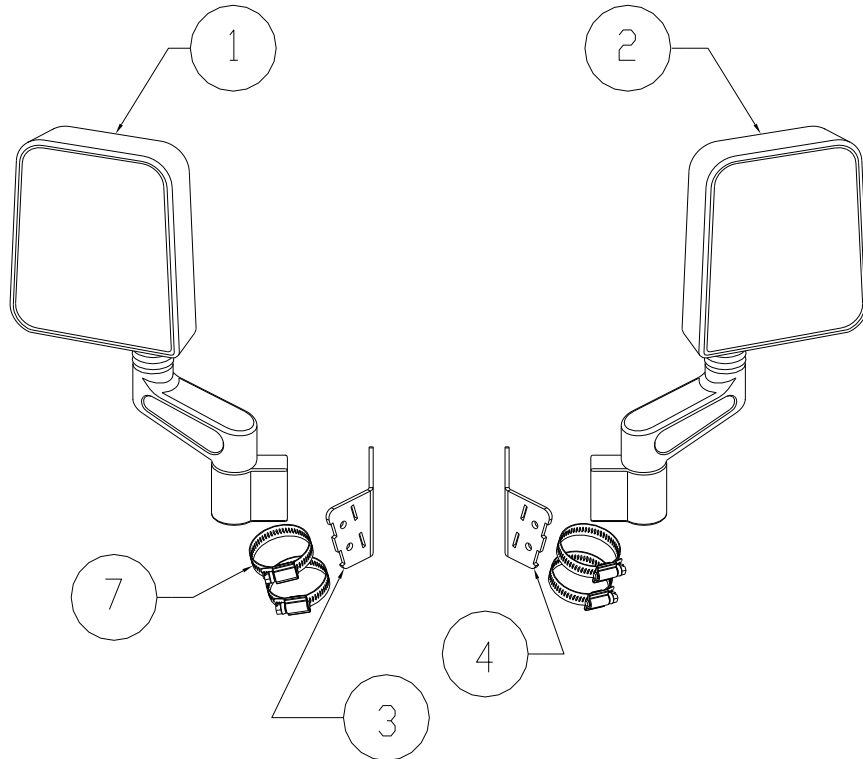
### **NOTICE**

- Break-away feature torqued at factory to 15-20 inch-lbs. It may be necessary to re-torque periodically, depending on vibration and terrain that the vehicle is used on.
- Clean mirror with glass cleaner.
- Avoid use of harsh chemicals on plastic mirror housing, as they may damage the plastic.

**Estimated assembly time: 30 minutes**

■ AVAILABLE REPLACEMENT PARTS

Ref. No.	Part No.	Part Name	QTY	REMARKS
1	77700-05177	Exterior Mirror, Left	1	Code No.: JM3509B-12 (contains one left mirror)
2	77700-05178	Exterior Mirror, Right	1	Code No.: JM3509B-11 (contains one right mirror)
3	77700-05179	Ext. Side View Mirror Frame Mntg. Adaptor, Left	1	Code No.: SM-PM5SFMA-L (contains one left bracket)
4	77700-05180	Ext. Side View Mirror Frame Mntg. Adaptor, Right	1	Code No.: SM-PM5SFMA-R (contains one right bracket)
5	77700-05149	Dome Plug, 5/16"	1	Code No.: 9DP08 (contains one plug)
6	77700-05181	Hardware Kit	1	Code No.: PM5-HWK (contains quantities shown below)
7	77700-04799	Hose Clamps #28 (2-1/4") Zinc Black Chromate	1	Code No.: 9HR0060-2.25B (contains one hose clamp)



■ CONTENTS OF HARDWARE KIT 77700-05181

**HARDWARE KIT**

- |                                   |  |
|-----------------------------------|--|
| X 4 - 1/4-20 UNC X 3/4" LG BHCS   | X 4 - 1/4-20 UNC NYLOC NUT                 |
| X 4 - 1/4-20 UNC X 1" LG BHCS     | X 8 - SAE WASHER, 9/32" ID X 5/8" DD       |
| X 4 - 1/4-20 UNC X 1-1/4" LG BHCS | X 8 - 1/4" FENDER WASHER, 9/32" ID X 1" DD |
| X 4 - 1/4-20 UNC X 1-1/2" LG BHCS | X 8 - PLASTIC HOLE PLUG, 5/16" HOLE SIZE   |
| X 4 - 1/4-20 UNC X 2" LG BHCS     |  |

Only item no. 5 is sold separately.



## ■ MACHINE PREPARATION



### CAUTION

#### To avoid personal injury:

- Park the machine on a firm and level surface.
- Apply the parking brake if applicable.
- Stop the engine and remove the key from the machine if applicable.

### Pre-Installation Consideration

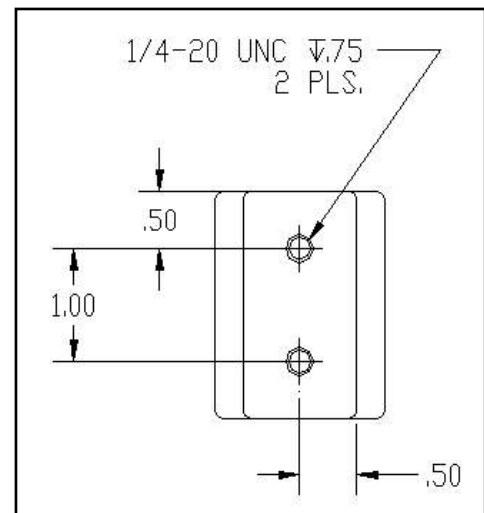
1. The mirror is mounted to the cab with (2) 1/4-20 UNC Button Head Cap Screws (BHCS). It will be necessary to drill (2) 5/16" [.313"] diameter holes through the mounting surface for these screws. Below is a drawing of the back side of the mirror mount for reference. As shown in the illustration, the mounting holes are 1" apart.

2. Prior to drilling any holes, it is recommended that the user sit in the driver's seat and have an assistant hold the mirror up to the potential mounting surfaces on each side of the vehicle. The user should choose the mirror location that best suits his/her driving position. Once the user has chosen the ideal location, the assistant should trace the outside of the mirror mount onto the potential mounting surface with chalk. The hole locations can then be marked and center punched for drilling.

3. If the user chooses to mount the mirror on the door, it may be necessary to drill through a door stiffener tube. In this case, it is recommended that the user drill the hole(s) that go through the door stiffener from the inside of the door, out, to ensure that they are centered on the tube. When fastening through tubing (or sheet metal channels), use the largest washer in the kit that doesn't overhang the edge of the tubing underneath the head of the screw/nut.

4. For users who choose to remove the doors during warm weather months, it may be desirable to choose a second location for the mirrors while the doors are off. The sides of the windshield frame are ideal for this second location. When choosing to use multiple locations, install black plastic hole plugs (provided in kit) in unused holes while mirror is in one location or the other.

5. It may be possible to mount the mirrors permanently on the sides of the windshield frame eliminating the necessity to move the mirrors if the doors are removed during warmer months. However, if this route is chosen, the user must ensure that the doors can open to full extension of the gas springs without contacting the mirrors prior to drilling any holes.



**Mirror Mount Specifications (NOT TO SCALE)**

## ■ CHOOSING MIRROR LOCATION / ASSEMBLY PROCEDURE

**NOTE:** While it is recommended that the user choose the mounting location that is ideal for him/her, below are some possible locations for the side view mirror on the RTV. Prior to drilling, ensure that the holes and mounting screws will not interfere with the door latches or any other components of the cab or vehicle.

### On Doors (see fig. 6)

6. Ideal location if doors won't ever be removed.
7. Best mirror perspective from driver's seat.
8. Automotive appearance.
9. Left and right mirrors mounted symmetrically on vehicle.
10. Mirror can be moved to windshield side frames during warmer months if user chooses to remove doors.

Note: If moving the mirrors to the windshield side frames for door removal during warm months, it's recommended to drill the holes in a location that is in-bound of the door seal when the doors are installed. Plastic dome plugs have been provided to plug holes while mirror is mounted in alternate location.

### On Windshield Side Frame

11. Favorable location if doors will be removed regularly.
12. User must use caution to ensure that door can open to full extension of gas spring without contacting mirror, prior to drilling holes.
13. Mounting adapter must be used on right side of W/S frame for mirror to be visible from driver's seat.
14. Driver will view the right side mirror through the windshield. For driver's side, see fig. 14a. For passenger's side, see fig. 14b.

### On ROPS (w/out Cab) (see fig. 15)

15. Worm drive hose clamps have been provided in the kit to attach the mirror mounting adapter to the vehicle ROPS for use when no cab is installed.

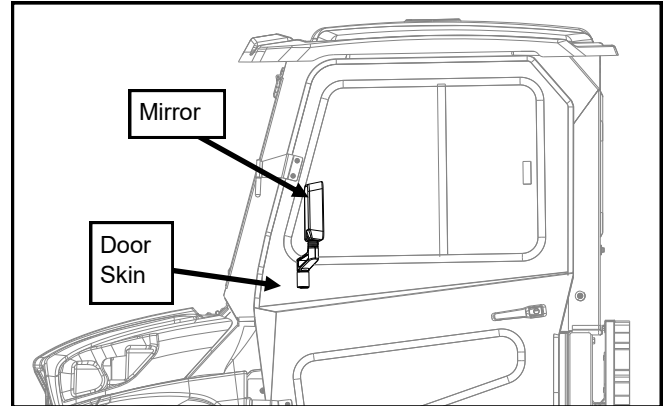


Fig. 6

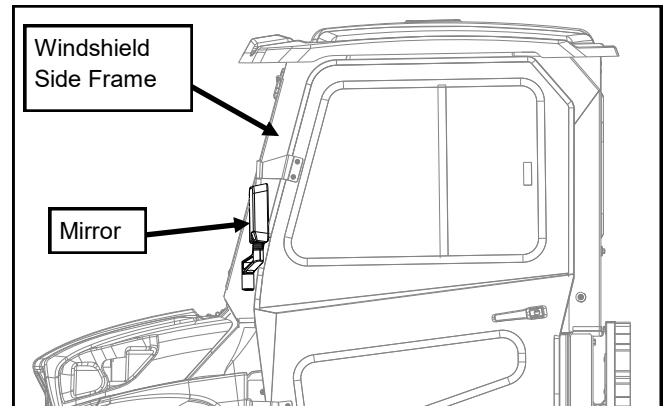


Fig. 14a

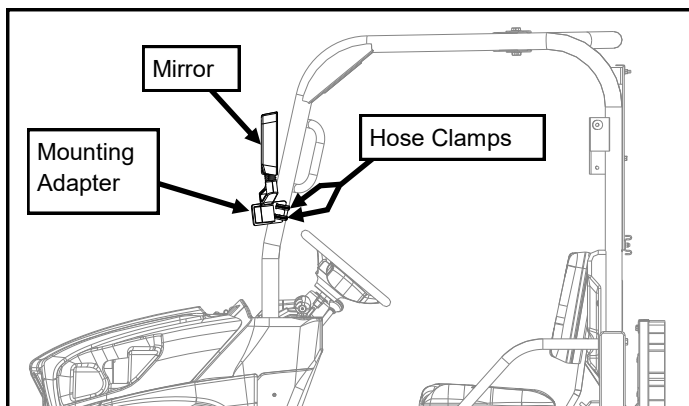


Fig. 15

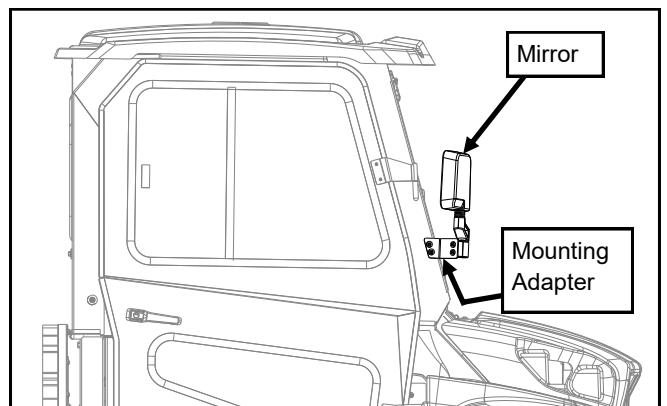


Fig. 14b