

TJM & Crown Canopy Installation Guide

TJM Kit 1

Remote Central Locking kit to suit TJM & Crown Canopy with 3 lift up windows Including Protection Bracket Kit & Remote Control

1. Check contents of package which consists of
 - 6 Actuators
 - 4 Side window brackets
 - 2 Rear Window Brackets
 - 12 8g x 12 self drill screws
 - 12 3.5mm pop rivets
 - Control Unit
 - 2 Remotes
 - Wiring Loom
 - Protection Bracket Kit
2. Suggested materials you may need
 - Pop rivet gun
 - 3.5mm pop rivet drill
 - 3mm automotive wire 10 Amp
 - 10mm loom tube and or 25x16 Electrical duct
 - Crimp tool for red insulated terminals
 - Female red bullet connectors
3. Installation: (Note if you are unsure of these steps please refer to the picture gallery at www.canopylocks.com.au – most steps are shown)
- 1) Open side window. Select location for side window bracket (close to handle but leave enough room so as not to interfere with movement of the handle, and making allowance for the protection bracket to be installed). Drill two holes through the bracket and into the window frame with a 3.5mm pop rivet drill. Using the pop rivets supplied install the bracket onto the window frame.
- 2) Where the bracket is now installed place an actuator on the inside of the window frame under the bracket with the actuator pin extended upwards and line up the pin to the center of the hole in the bracket and the shoulder on the pin to the underside of the bracket. Now push the pin of the actuator fully down to make sure that the top of the pin clears the bracket so the window can be opened. Secure actuator to window frame using the 2 of the 8g x 12 screws.

Note: The hole in the bracket may have to be enlarged to ensure that the pin moves freely with the window handle in the open or closed position. This can be done by using a file to make the hole larger. The bracket can also be bent up or down to ensure the actuator pin engages with the pin when locked and clears the bracket when unlocked.
- 3) Repeat step 1 & 2 for 3 other locking positions (next to handles) on side windows.
- 4) Hold an actuator on the rear window frame as near as possible to the window handle but not as to interfere with the movement of the handle, and making allowance for the protection bracket to be installed. Then place and mark the position of the rear window bracket on the frame of the window making sure the lip of the bracket is facing towards the actuator, so if the window closes with the actuator in the locked position the bracket will push the pin into the actuator. Drill the two holes for pop rivets and install the bracket using supplied pop rivets.

Note: The hole in the bracket may have to be enlarged to ensure that the pin moves freely with the window handle in the open or closed position. This can be done by using a file to make the hole larger. The bracket can also be bent in or out to ensure the actuator pin engages with the pin when locked and clears the bracket when unlocked.
- 5) With the rear window closed and the handle in the closed position line up the actuator with the pin extended so the shoulder on the pin is to the underside and in the center of the bracket and screw actuator onto window frame using 2 8g x 12 self drill screws.
- 6) Repeat step 4 & 5 for other side of rear window.
- 7) Mount controller anywhere in cabin (this is important for ease of accessibility in the event of unforeseen failure). Referring to the wiring diagram, run a 15amp cable to the controller from a positive power source and connect the black wire to a negative, then run 2 wires from the controller white & white/black to the first actuator and then loop wires to all other actuators. We found it easiest to run cables in loom tube to inside the canopy and then run a piece of 25 x 16 plastic electrical duct under the window frame from front to rear on each side of the canopy holding it in place with double sided tape and some dabs of silicone. Make sure the duct does not interfere with the movement of the pin, however loom tube could be used instead of the plastic duct. Connect all actuators to cabling using female bullet connectors and then connect power to controller.
- 8) Operate remote controller and make sure all actuator pins travel in the same direction at the same time and when the lock button is pressed all the pins are in the locked position. If the pins are not traveling in the same direction then reverse the connections to each actuator that in travelling in the opposite direction.

PROTECTION BRACKETS

Place a Protection Bracket over the top of a window actuator and mark the position for holes to be drilled through the bracket. Drill one hole at each end of the bracket with a 4.5mm drill, then screw the bracket onto the window frame using the 8g x 12 screws supplied making sure that the bracket does not interfere with the movement of the handle.
Repeat for all other actuators.

Canopy Locking Systems

Wiring Diagram

Operation Guide

- 1 Press **⏏** to lock, Lights flash once (if connected)
- 2 Press **🔓** to unlock, Light flash twice (if connected)
- 3 Learning Code

Open module by levering top of unit away from bottom at 4 x clip points

Long press learning button 3 seconds, unit is now in learning state

Within 5 seconds press any button on remote, if connecting more than 1 remote, press one button on each remote within 5 seconds

- 4 Vehicle locator (Lights must be connected)

Press **🔓** for 3 seconds, lights will flash 3 times

Green & blue wires on control unit are not used

Brown wire optional for connection to lights

Control Module

