



Technical Bulletin TB206

SUBJECT:	REAR DOOR LOWER SKIRT & INTERNAL COVER CRACKING
PRODUCT:	FLEXIGLASS SPORT & PREMIUM CANOPY
PART NUMBER:	VARIOUS

Overview

Field reports indicate cracking of the rear door lower skirt and internal cover on certain Flexiglass Sports & Premium fibreglass canopies.

This bulletin provides the procedure for safe removal and replacement of the affected rear door assembly.

Models Affected

Flexiglass Sports & Premium Fibreglass canopies with ABS rear door bottom skirt & internal cover.

Important Safety Information

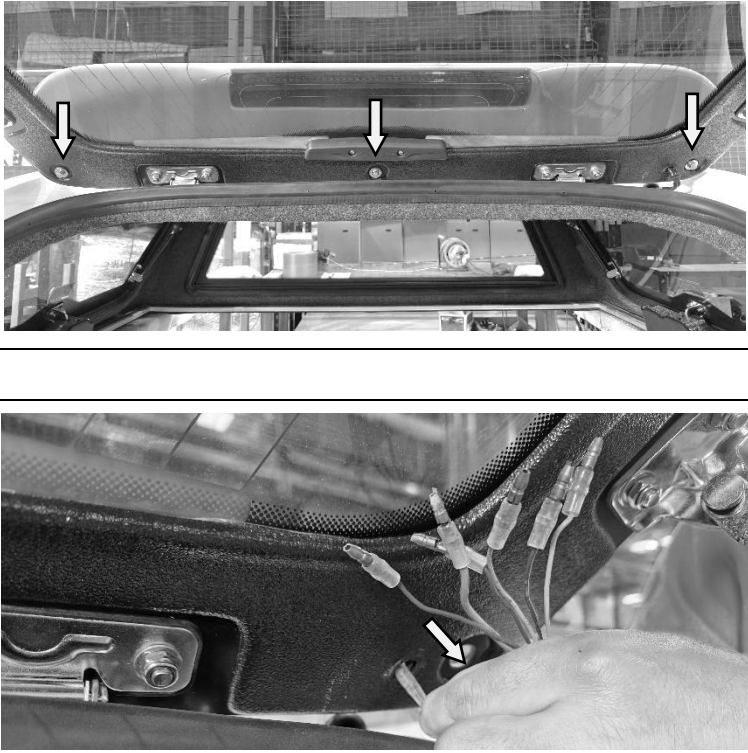

- Read this guide fully before commencing work.
- Wear suitable PPE including gloves and eye protection.
- Door assembly is heavy – use two people during removal and installation.
- Support door with assistance before unbolting hinges or struts.
- Periodically check that all fasteners remain securely tightened.
- Strictly follow torque setting on hardware to avoid glass breakage.

Tools Required

- 10mm, 13mm, 17mm Flexi-Head Ratchet Spanner
- 3mmØ Drill & Drill
- Flat & Phillips Head Screwdriver
- Scissors
- Multi-grips

Estimated Rework Time: 2.0-2.5hrs



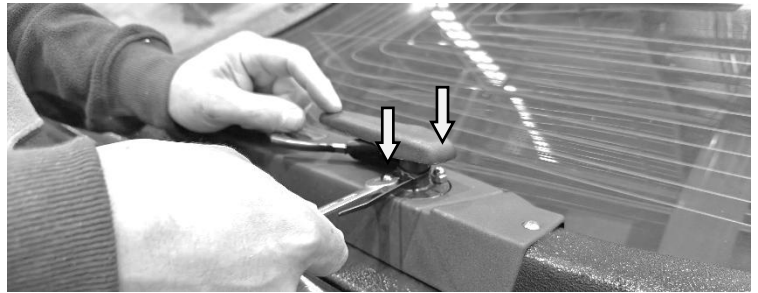
<p>Preparation</p> <ol style="list-style-type: none"> 1. Unbox verify all parts are included. 2. Park vehicle on a level surface and apply handbrake. 	
<p>Remove Spoiler (if fitted)</p> <ol style="list-style-type: none"> 3. Lift up rear door Assembly. 4. From inside rear of canopy, remove 3 bolts securing spoiler. 5. Place protective cloth on top of canopy roof & set spoiler aside. 6. Retain all hardware for re-installation. 	
<p>Disconnect Wiring</p> <p>Record wiring connection between spoiler & canopy (photo recommended).</p> <ol style="list-style-type: none"> 7. Carefully disconnect spoiler to canopy twisting & pulling connectors. 8. Carefully pull each canopy wire through rear window hole. 	
<p>Remove Gas Struts</p> <ol style="list-style-type: none"> 9. With an assistant supporting the rear door assembly, use flat head screwdriver to release retaining cover. 10. Carefully detach struts from ball studs. 11. Retain retaining covers for re-installation. 	
<p>Remove Rear Door Assembly from Canopy</p> <ol style="list-style-type: none"> 12. With an assistant supporting the rear door assembly, unbolt hinges from canopy. 13. Carefully lift door clear of canopy opening and set aside on a padded surface. 14. Retain all hardware for re-installation. 	

Remove Parts from Old Rear Door Assembly

15. Remove the following parts from the old rear door assembly for re-installation to replacement rear door assembly.

Retain all hardware for re-installation.

- a) Internal Handle
- Remove 2 dome nuts



- b) Cover Plate
- Remove 2 self-tapping screws



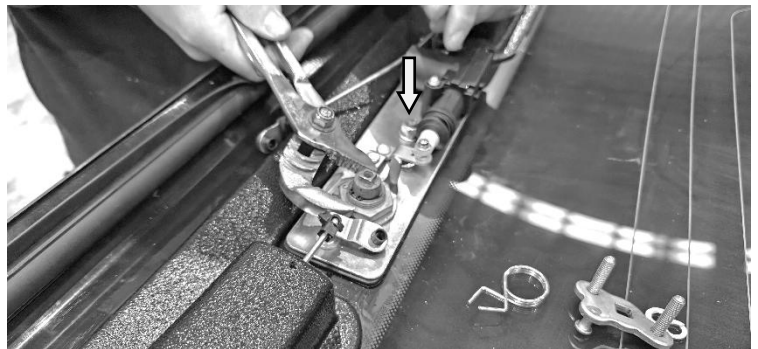
Note: Mechanism is under tension, take care during assembly. Take note of spring position prior to removal.

- c) Locking Mechanism
- Slowly loosen centre bolt while holding pull rod plate until tension is released.
 - Remove pull rod plate, spring & hardware.



- d) Remove large handle nut & nut closest to actuator.

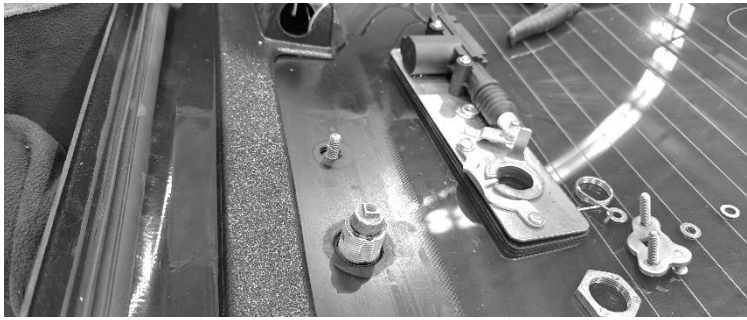
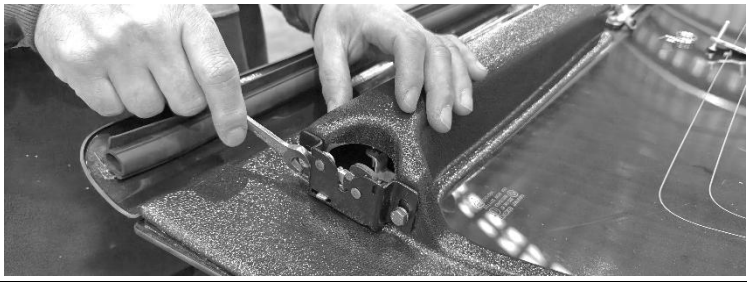




- e) Disconnect pull rods from rod plate.



Record wiring connection between actuator & latches (photo recommended).

- f) Disconnect actuator wiring.

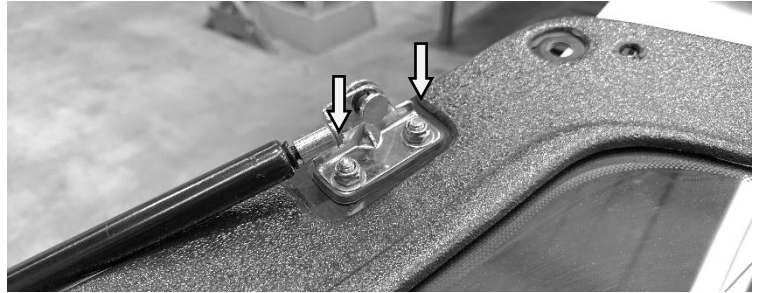


<p>Note: Ensure actuator is in unlocked position prior to removal.</p> <p>g) Remove external handle & locking mechanism.</p>	
<p>h) Remove 2 bolts from either side of the latches.</p>	
<p>i) Disconnect wires leading to one side of latch.</p>	
<p>j) Remove both pull rods & latch assemblies from either side.</p>	
<p>k) Remove hinges from old rear door assembly.</p>	
<p>l) Remove gas strut brackets from old rear door assembly.</p>	

Installing Accessories & Hardware to Replacement Door Assembly

With the replacement rear door assembly.

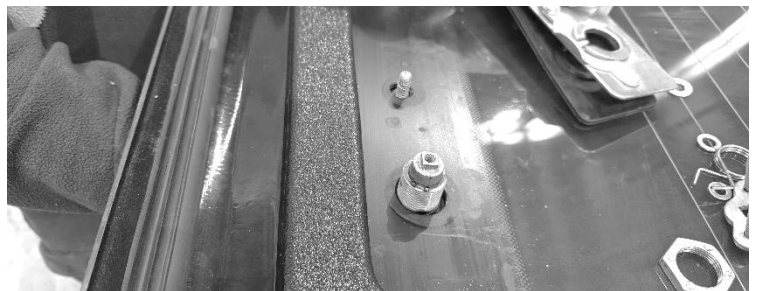
- a) Ensure rubber gaskets are fitted between bracket & glass, re-install gas strut brackets to replacement rear door assembly.
- b) Torque fasteners to 4Nm.



- c) Ensure rubber gaskets are fitted between hinge & glass, re-install hinges to replacement rear door assembly.
- d) Torque fasteners to 4Nm.

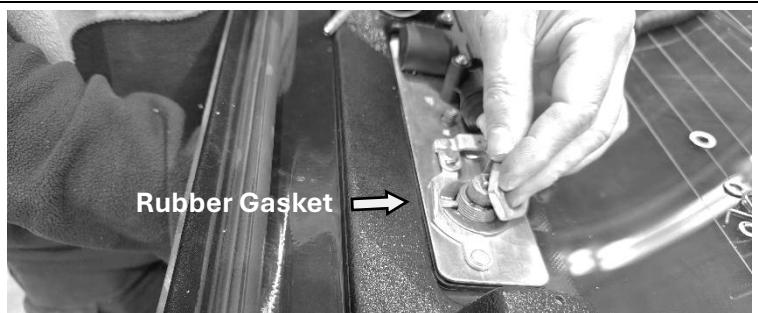



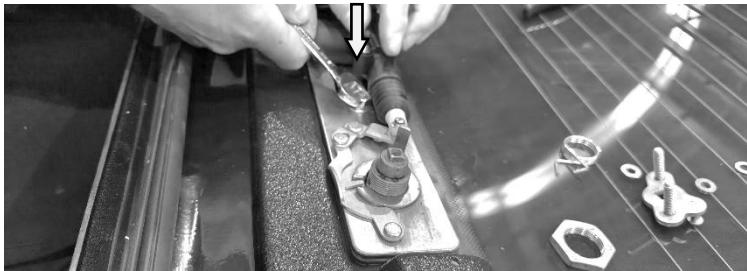
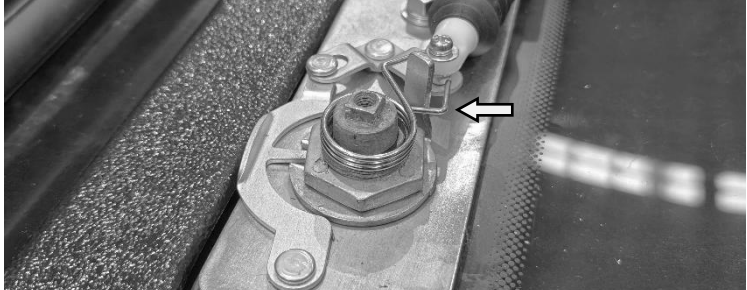
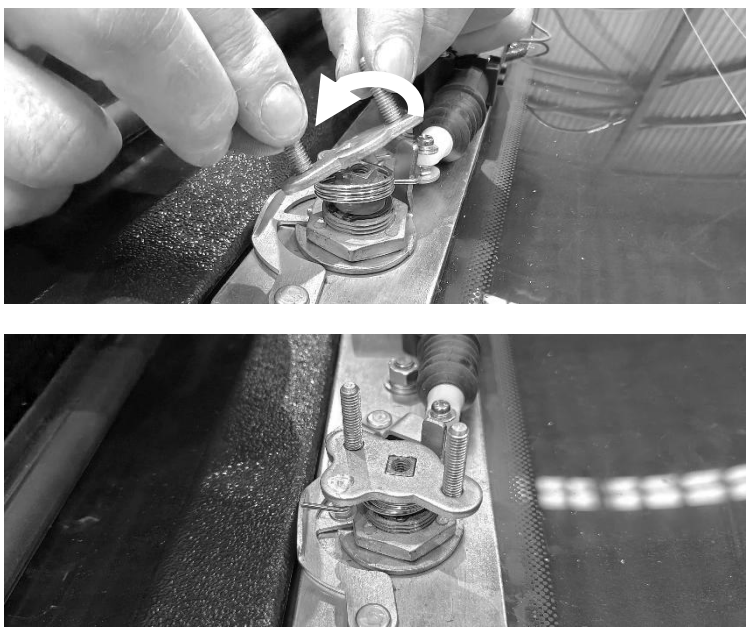

- e) From outside of door assembly, insert external handle through glass.



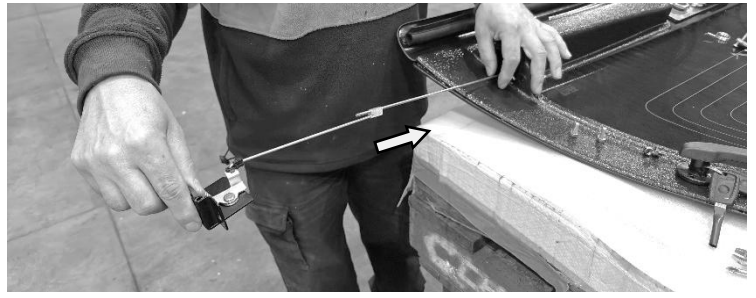
Note: Ensure actuator is in unlocked position prior to removal.

- f) Ensure rubber gaskets are fitted between locking mechanism & place over handle barrel.
- g) Hand tighten large nut onto handle barrel thread.



<p>h) From outside door assembly, check handle position is parallel of bottom of glass prior to tightening large nut.</p> <p>i) Torque fasteners to 4Nm.</p>	
<p>j) Secure locking mechanism with nut closest to actuator.</p> <p>k) Torque fasteners to 6Nm.</p>	
<p>l) Place spring over handle barrel, ensuring the bent end of spring is resting against the barrel washer/bracket.</p>	
<p>m) Place the pull rod plate spigot forward of spring & rotate anti-clockwise in downwards movement until the square hole in pull rod plate aligns with square peg on handle barrel.</p> <p>n) Check spring is properly attached & not jammed between barrel & underside of rod plate.</p>	
<p>o) Secure latch using bolt, spring & flat washer.</p> <p>p) Torque fasteners to 6Nm.</p> <p>q) Check handle rotates & returns back to closed position.</p>	

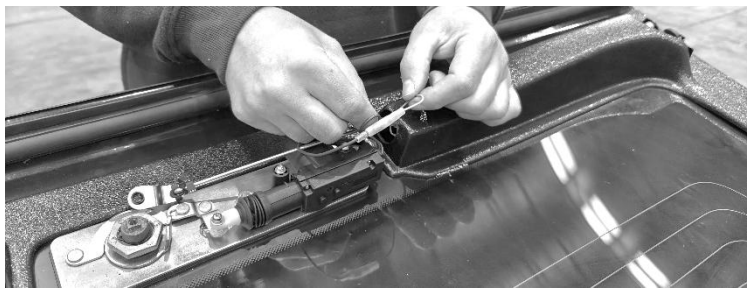
r) Insert linkage rods & latch assembly on both sides.



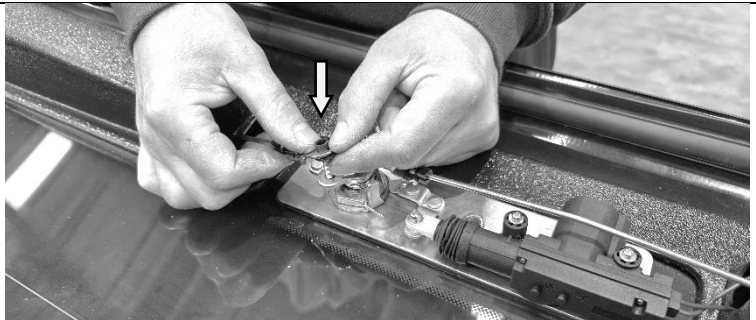
s) Connect wires from replacement door to wires from latch.



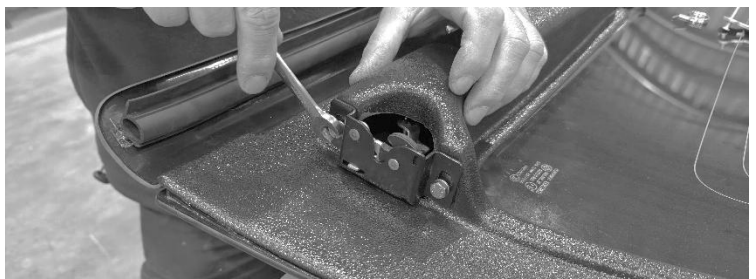
t) Connect wires from replacement door to wires from actuator.

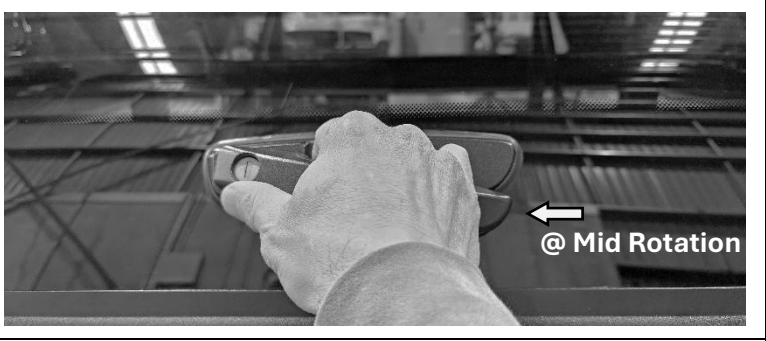


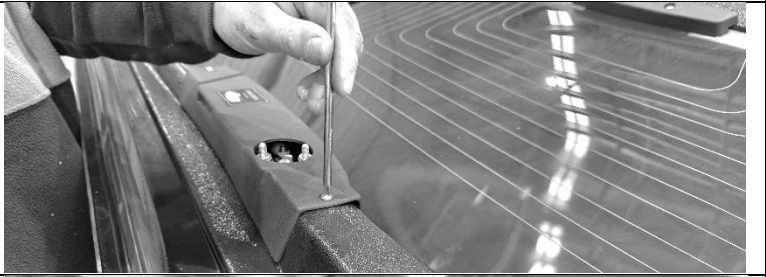




u) Connect pull rods ends to pull rod brackets.



v) Secure latch using 2 bolts from either side of the door assembly.



<p>w) Check handle disengages both latches @ mid rotation.</p> <p>x) If latches dis-engage before or after, adjustment is required to one or both pull rods by either extending or shortening the rod length.</p>	
<p>y) Check actuator screws are secure.</p>	
<p>z) Using ORIGINAL cover plate as a template, place cover centrally over the rear of door handle.</p> <p>aa) Drill 2 x 3mmØ pilot hole using cover plate as template.</p>	
<p>bb) Install original cover plate, using original hardware.</p>	
<p>cc) Install handle, using original hardware.</p> <p>dd) Torque fasteners to 2Nm.</p>	
<p>Install Replacement Rear Door Assembly</p>	
<p>16. With an assistant supporting the rear door assembly, install rear door assembly to canopy using all original hardware.</p> <p>17. Lightly tighten fasteners.</p>	

18. With an assistant supporting the rear door assembly, push struts into the ball studs & install retaining covers.



19. Check alignment of rear door assembly & adjust as required.

20. Torque hinge fasteners to 6Nm.

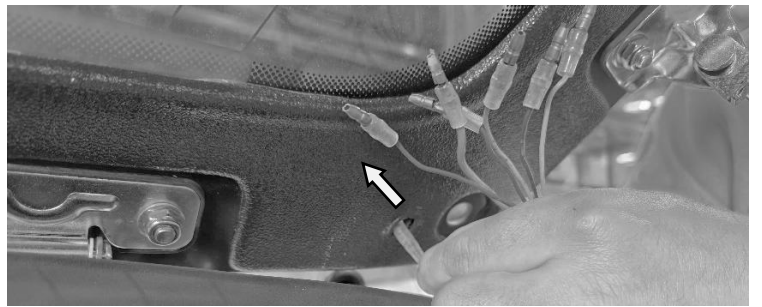


Connect Wiring

21. Feed each canopy wire through hole in rear window.

Do not feed wire through hole for spoiler fitment.

22. Pull sufficient wiring through to connect to spoiler & push rubber grommet into hole.



Final Check

23. Check rear door opens/closes smoothly without binding, latches, seal are firm on canopy.

24. Adjust hinges, linkage rods & latches, etc.. as required

25. Check fasteners have been torqued to required setting.

26. Wipe rear door assembly & surrounding area clean.

