

Mitsubishi Triton Canopy Field Fix Instructions

Quality Check



Critical Process



Safety For Operator



Mandatory



Tools Required
(Hand / Power / Air)






Environmental









SAFE WORK METHOD






Critical Steps In This Job	Potential Hazards	Safety Controls

Tools & Equipment	Materials	Documentation
<ul style="list-style-type: none"> • Drill with 7mm drill bit • 7mm spanner • Phillips head screwdriver • ¼ inch socket • 7mm socket • Heat gun (for heat shrink) 	<ul style="list-style-type: none"> • Replacement pin switch (LOOM0188) • In-line fuse • Terminal de-housing tool • Small parts kit 	

	Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
 <p>3-pin Canopy harness connector</p>	 	1	Disconnect 3-pin canopy harness from vehicle harness	Locate connection point at the rear of the cabin, driver's side (three pin plug) and disconnect.	Remove power supply from canopy

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	Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
		2	Remove the existing pin switch assembly	Remove black plastic spade terminal from pin switch and undo M4 nut using 7mm spanner and Phillips head screwdriver.	Allow for replacement with improved pin switch assembly
	 	3	Extend hole size in pin switch bracket to accommodate new nylon shoulder washer	Drill 7mm hole in pin switch frame bracket. Drill from inside the canopy, taking care to avoid contact with the seal/frame/strut. Ensure that any swarf or burrs are removed.	Avoid damaging window frame. Prevent contact between clip and pin switch and for safety reasons

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	Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
		<p>4</p>	<p>Remove light assembly from frame</p>	<p>Use ¼ inch socket to remove 2 tapping screws that hold the bracket into the frame.</p> <p>NOTE: keep these screws, as you will need them to re-attach the light</p> <p>Unplug the light assembly from the loom by pressing down on the clip of the terminal housing.</p>	

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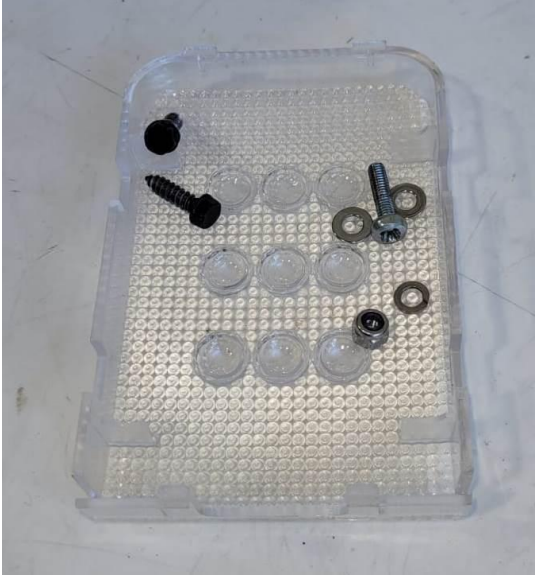





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	Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
  		<p>5</p>	<p>Remove the relay loom from the light assembly.</p>	<p>Remove the lens cap from the light by pressing in the two clips near the switch.</p> <p>With the aid of a Phillips head screwdriver and a 7mm socket, undo the screw holding the relay onto the light assembly (set aside the screw, 2x flat washer, spring washer and nut).</p> <p>Disconnect the relay loom from the light and <u>discard</u>.</p> <p>Reinstall the screw, washers and nut back into the light assembly and torque to 3Nm. Refit the lens cap to the LED.</p>	

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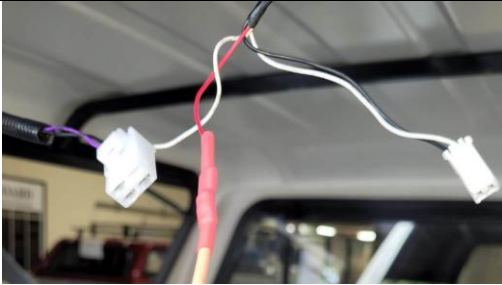
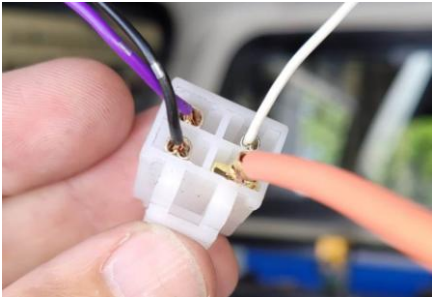






Environmental



	Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
<p>Insert de-housing tool here</p>		6	<p>Confirm correct orientation of black and purple wires and adjust if necessary</p>	<p>Ensure that black wire is on top and purple wire is on the bottom (see image).</p> <p>Use supplied terminal de-housing tool to adjust as necessary. The wire terminals have a release clip that must be depressed to disengage the spade terminal from the housing. See green arrow in image for location of release clip.</p>	<p>Correct orientation of pin switch ensures proper pin switch functionality.</p>
<p>Male spade of in-line fuse</p>		7	<p>Install the supplied in-line fuse.</p>	<p>Using the de-housing tool, also remove the red wire from the terminal housing.</p> <p>Slide the supplied heat shrink past the spade connector of the red wire.</p> <p>Connect the red wire loom terminal to the male spade terminal of the in line fuse.</p>	<p>Heat shrink to be applied over terminals to ensure they are secure.</p>


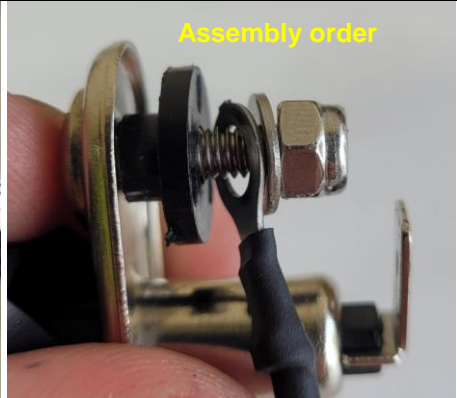

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  	  	7		<p>Slide heat shrink over the two terminals and apply heat to contract until wrapping is tight over terminals.</p> <p>Insert the female terminal of the in-line fuse into the four pin plug.</p> <p>Remove the 2A fuse from the holder and set aside. This will be re-inserted at a later stage of the process.</p>	Prevent negative surge from causing any damage once power is supplied back to the unit.
		8	Reinstall the light assembly.	<p>Reconnect the four pin plug to the light assembly.</p> <p>Reattach the light to the rear door frame using the retained tapping screws. Torque to 3Nm.</p> <p>Tuck/route the wiring behind the light, but leave the fuse housing of the in-line fuse in an accessible position.</p>	Wiring should be routed behind light assembly to ensure rear visibility is not affected.

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		Symbol	Step	Major Step (What)	Key Point (How)	Reason (Why)
 <p>New pin switch</p>	 <p>Assembly order</p>		9	Install new pin switch	<p>Carefully lift off boot from pin switch to give clear access to hole. Place screw through the hole and then reinstall boot.</p> <p>Push shoulder washer through bottom hole of pin switch, ensuring shoulder is facing the cabin.</p> <p>Fit pin switch through bracket, ensuring the shaft is centred through top hole. Place ring terminal over screw and then fit flat washer, before securing with nyloc nut. Tighten nyloc nut using screwdriver and 7mm socket until secure.</p> <p>Fit spade terminal onto end of pin switch.</p>	<p>The pin switch screw needs to be below the boot.</p> <p>The screw should not make contact with the pin switch bracket.</p> <p>Ring terminal and spade terminal must both be secured for pin switch to function.</p>
		 	10	Reconnect the canopy loom and vehicle loom.	<p>Reconnect the two 3 pin plugs beneath the vehicle and secure with zip tie.</p>	<p>Ensure looms are secured and not loose beneath the vehicle.</p>

