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ACCESSORIES

TAILGATE ELECTRIC LOCK KIT FOR GWM CANNON 2019- ON

Congratulations on your purchase of our integrated central locking system for your vehicles tail gate. Please read and understand all the instructions before commencing your installation. We have also included a QR code that will direct you to a full video version of the installation..



This tail gate locking system is added to the tail gate latching mechanism. When fitted correctly the electrical solenoid which is connected to the vehicle central locking system actuates a lever that inhibits the movement of the tail gate latch.

REQUIRED TOOLS: Phillips screwdriver, metric socket set, small and medium sized screwdrivers, side cutters, pliers, soldering iron, electrical insulation tape, stanley knife or similar. **OPTIONAL REQUIREMENTS:** WD 40 or similar, quantity zip ties, 8 or 10mm split wall corrugated tubing.



FIGURE 1

FIGURE 2

Step 1. Remove phillips head retaining screws and lift off tail gate cover panel and set aside.. **Figure 1.** **Step 2.** Pull out tail gate step and lower to normal position. **Figure 2.**

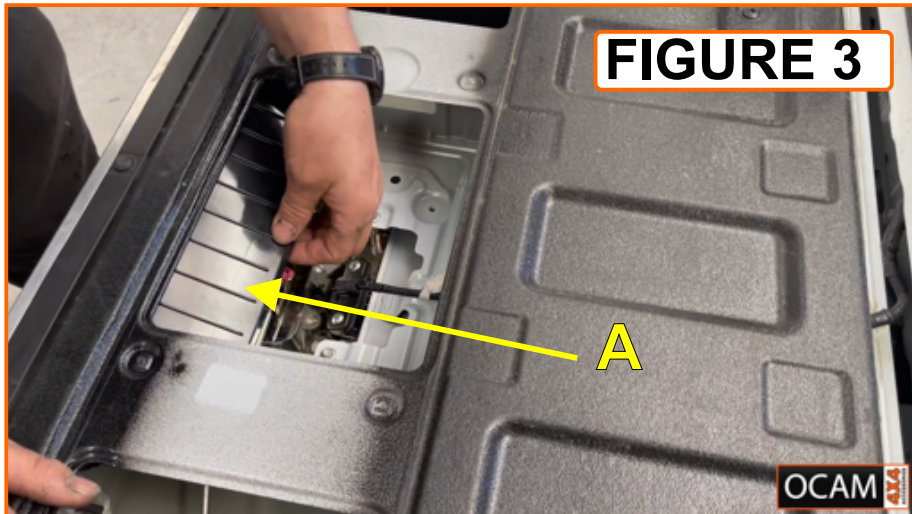


FIGURE 3

Step 3. Remove the plastic tail gate lock mechanism cover panel (**A in figure 3**) by removing the retaining clips located on each end of the escutcheon panel located on the out side of the tail gate, (**A in figure 4**). To remove the retaining clips use a suitable screwdriver or similar to carefully prise the centre pin out of the retaining clip as shown in **figure 4**. Do not use excessive force. When the centre pin is withdrawn fully the retaining clip can be removed. Remove the cover panel by pushing the panel outwards from the inside of the tail gate. The panel may need to be flexed to assist removal.

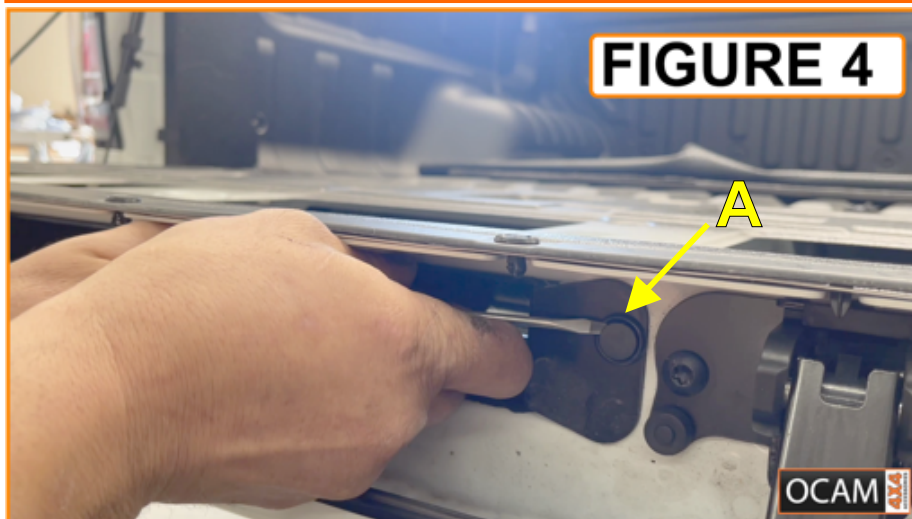


FIGURE 4

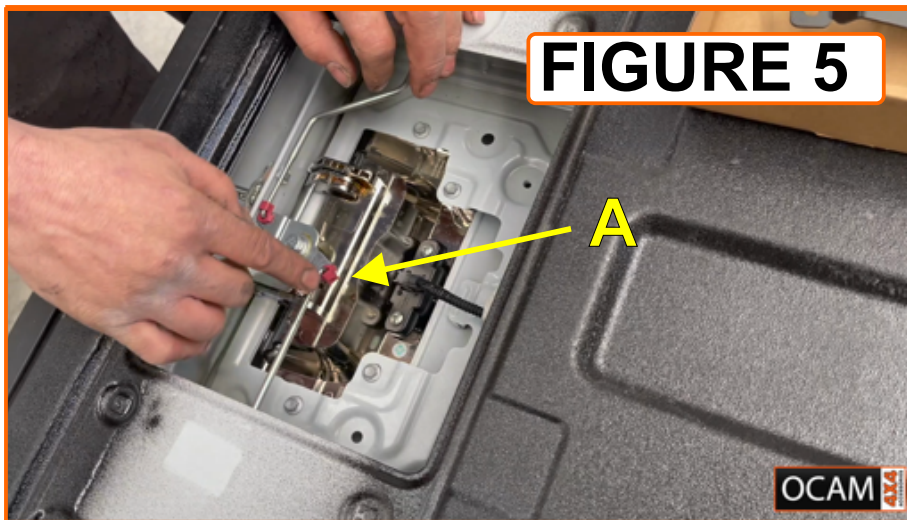


FIGURE 5

Step 4. Carefully unclip and rotate the red retaining clip from the right hand side lock actuation rod.

(**A in figure 5**). Lift actuation rod free from retaining clip and set aside..

Step 5. Locate the two 8mm bolts (**A in figure 6**) unscrew and remove the two bolts..

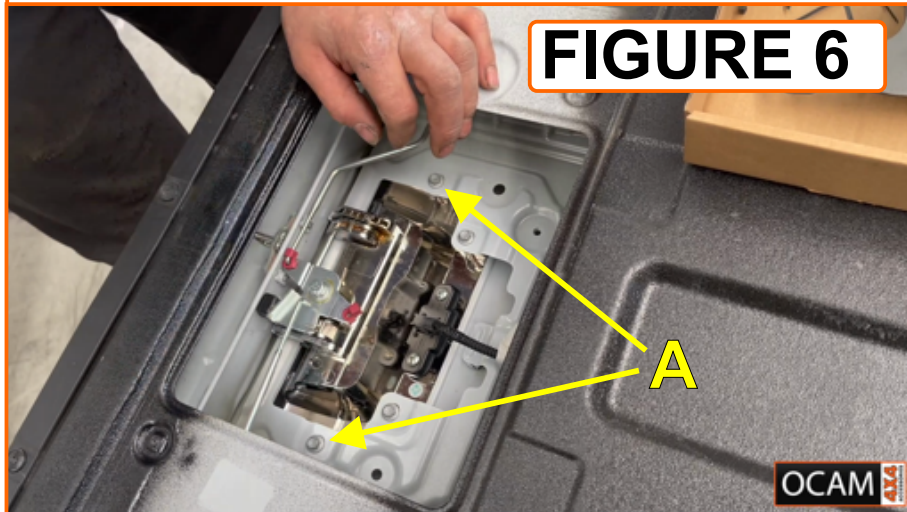


FIGURE 6

Step 6. Place electric lock mounting plate in position as shown in **figure 7** and replace 8mm bolts.

Only tighten bolts finger tight until correct operation of locking lever is confirmed. To check the correct operation move the electric solenoid operating rod (**A**) attached to the locking arm (**B**) to ensure that the locking arm moves freely. (**NB: figure 7** shows the locking lever in the locked position). There should be clearance between the locking arm and the tail gate latch arm. When satisfied that the lock is in the correct position, tighten the two 8mm retaining bolts. **Do not over tighten the bolts** as this can result in damage to the threads. replace the right hand actuation rod into the retainer and close the clip.

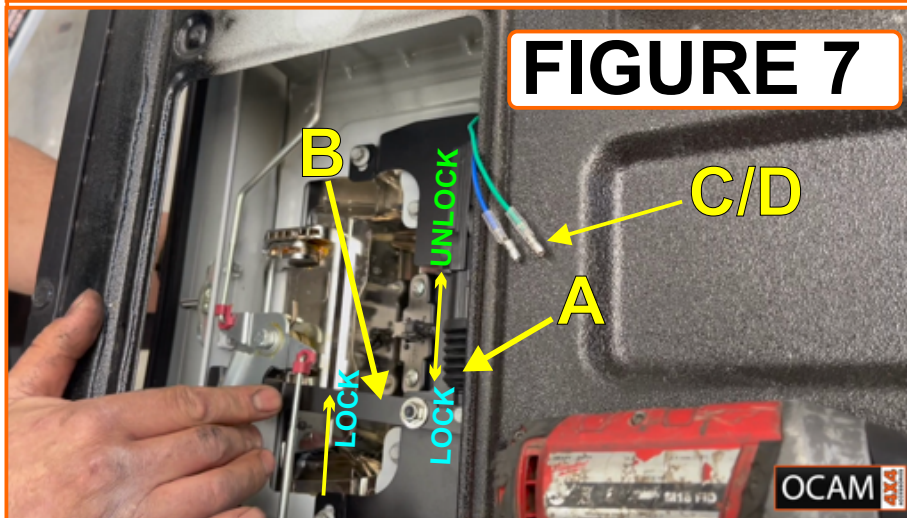


FIGURE 7

Step 7. Unroll the wiring harness that came with the kit and firmly plug the green and blue sockets onto the respective green and blue wires marked as **C/D in figure 7**.

Remove the rubber grommet from the underside of the tail gate and carefully cut and unwind the electrical tape from around the grommet. Feed the wiring harness down the inside of the tail gate til it passes through the grommet hole in the tailgate. Spray WD40 or similar on the wiring harness and feed the harness through the grommet. **NB it may help to cut off the tail wires and feed the harness casing through the grommet.** Figure 8.

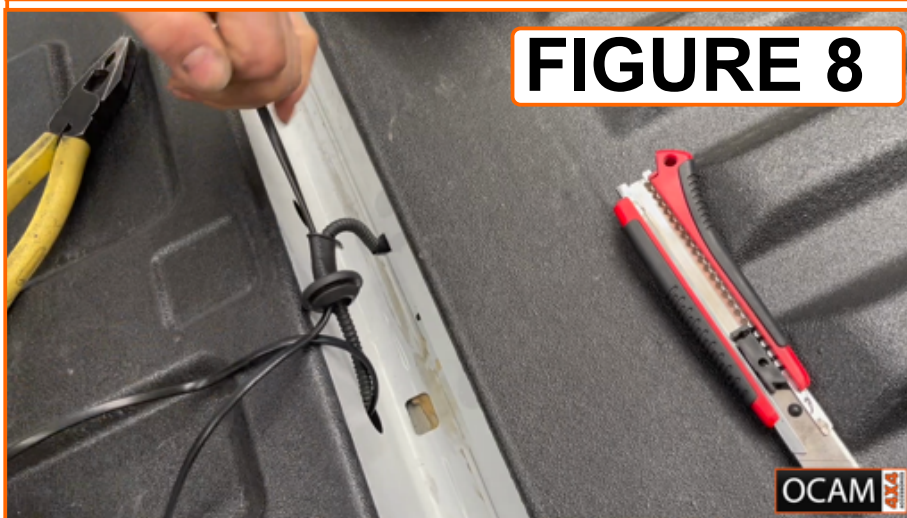


FIGURE 8

Step 7 continued. Continue to pull wiring harness through grommet but **do not pull tight**. Leave enough slack in the harness to zip tie harness to the existing reversing camera cable inside tail gate and not to pull on the two connection sockets. When harness is through re-tape the grommet with insulation tape and reinstall grommet into tail gate. Remove the grommet from the body and repeat the previous process.

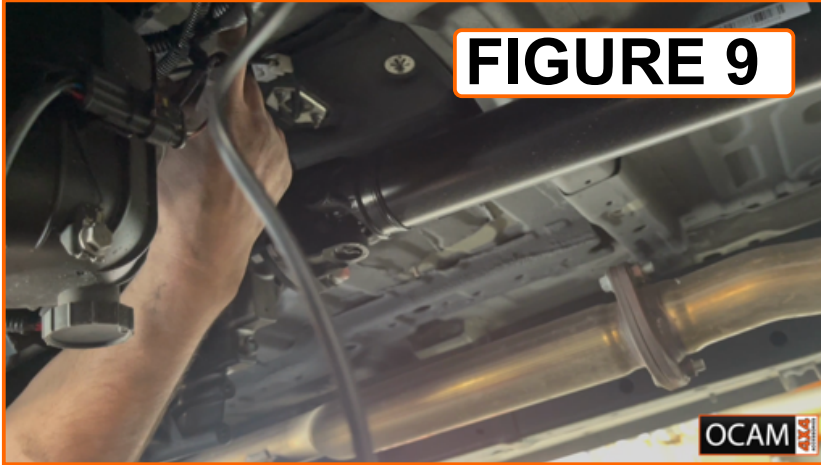


FIGURE 9

Step 8. The wiring harness should now be passed through the body. Now is the time to fit the optional split wall tubing. Direct the harness to the inside wall of the left hand chassis making sure that the harness is fixed securely and cannot be snagged by any road debris. Zip tie the harness to the existing vehicle wiring harness and fix the harness to a point roughly adjacent to the fuel filter **figure 9**. Remove the existing vehicle harness grommet from the floor pan. This grommet is located underneath the front passenger seat **figure 10**. If using the optional split wall tubing terminate it at this point. using the previous procedure pass the wiring harness through the grommet and access the wiring via the precut hole in the carpet under the passenger seat. Pull all the harness cable through the grommet and replace it back into the floor. **NB. Alternatively make a small hole and pass the harness through the grommet. Make sure the original wiring harness is not damaged while doing this.**

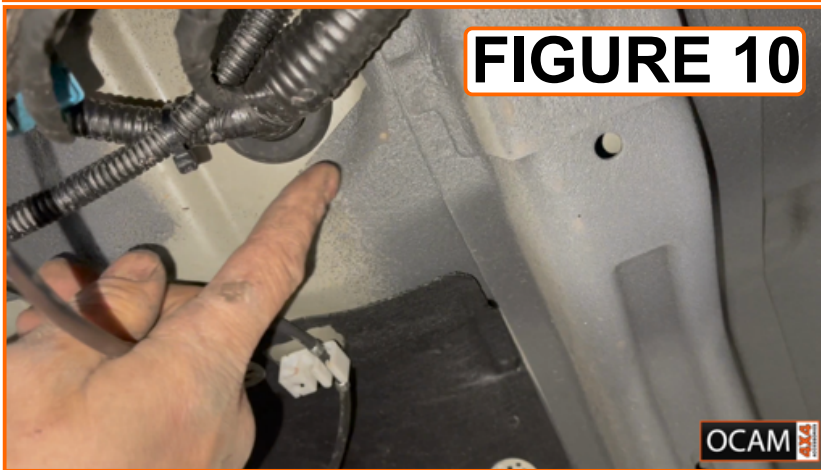


FIGURE 10



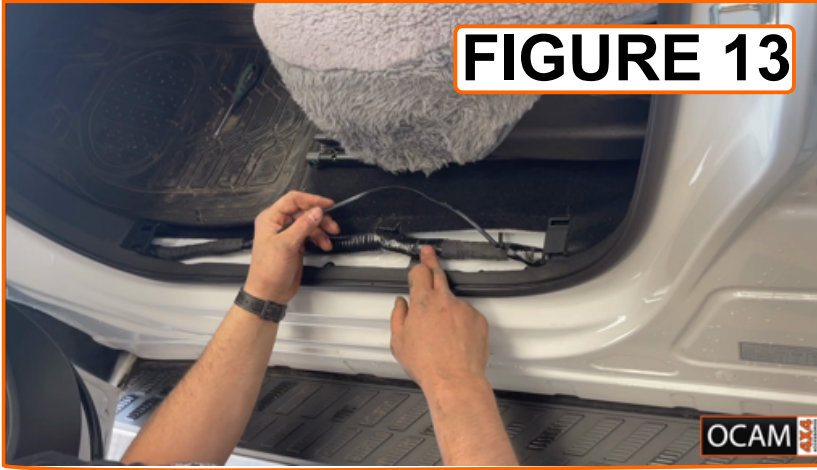
FIGURE 11

Step 9. Carefully grip inside edge of door sill trim panel and lift the panel until comes free. **Figure 11**. Check and make sure that the white retaining clips have stayed on the sill trim panel. If not carefully remove the clips and reattach clips to the sill panel.



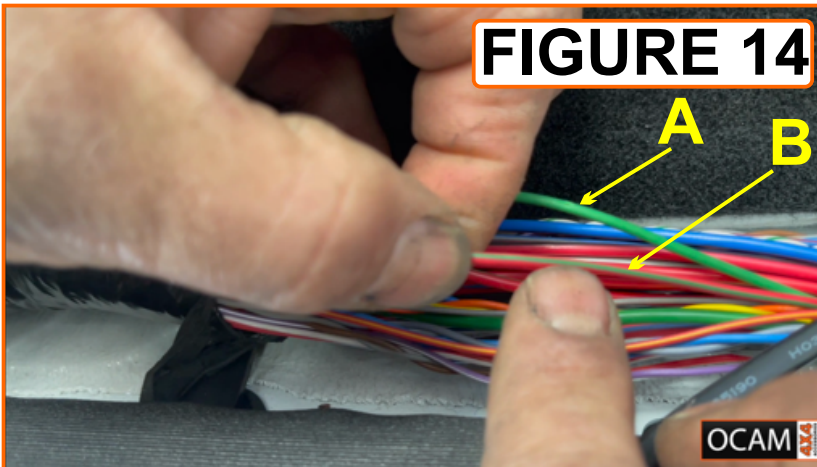
FIGURE 12

Pass the wiring harness back into the access hole in the carpet and direct the harness under the carpet and out the side adjacent to the vehicle wiring harness. **Figure 12**. Pull all excess harness out from under the carpet.

FIGURE 13

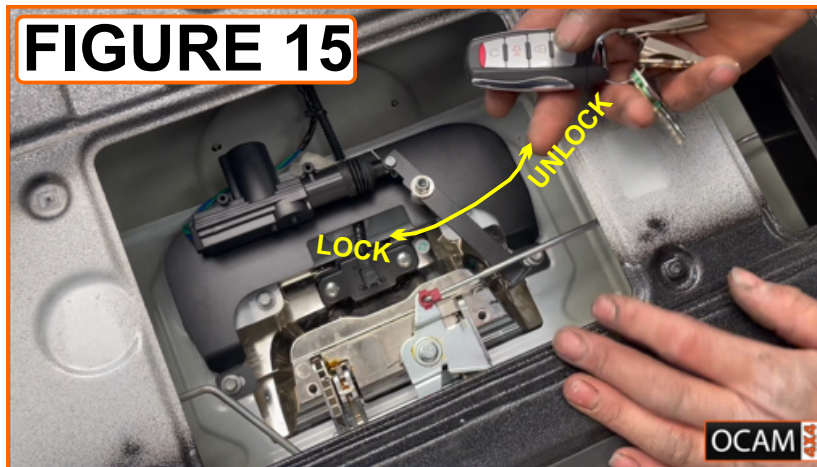
Step 10. Carefully remove the insulation tape from around the existing vehicle wiring harness in the area as shown in **figure 13**.

Expose the vehicle wires and locate the following. There are two (2) solid green wires a thick and a thin one. You need to locate and identify the **thin solid green wire**. Next locate and identify the **thin red wire with a green trace (stripe)**. These two wires are for the vehicle central locking system. (**A & B in figure 14**). Peel an amount of insulation from each of these wire to facilitate connection of the tail gate locking wires.

FIGURE 14

Expose the wires in the tail gate locking harness. Strip insulation of both the blue and green wires.

Wrap the **blue wire around the green wire** of the vehicles harness then wrap the **green wire around the red wire with the green trace**.

FIGURE 15

Check that the wires are connected correctly and make good connection. Do not allow the exposed wires to touch each other.

Step 11. Using the vehicle key fob observe the electric lock in the tail gate. Press the lock button and the locking arm should move against the vehicle tail gate unlatching mechanism. Then press the unlock button and the locking should move away from the tail gate latch at which point the tail gate latching mechanism should be free to move the latch rods and the tail gate will be free to open. **FIGURE 15.**

FIGURE 16

Step 12. When the locking system works correctly finally connect the wires tightly and solder the wires securely. **Figure 16.** Wrap insulation tape around each wire connection and then wrap insulation tape around the original vehicle harness. Move excess wire back under the carpet and reinstall the sill plate. Reinstall the locking mechanism cover plate and then the tail gate cover.. Your all done.....