# RETRO FIT REMOTE LOCKING
## 1PC/3PC TONNEAUX COVER INSTALLATION INSTRUCTIONS

### Holden VE Ute 2007

**Part Number:** EGR-RETROLOCK

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**Care Instructions:**
- Clean Tonneau Cover with a mild detergent and water solution.
- Do not use abrasive cleaners or solvents.

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Place these instructions in vehicle's glove box after installation is complete

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## LIST OF PARTS

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<th>Item</th>
<th>Component Name</th>
<th>Qty</th>
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<tbody>
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<td>Vehicle Wiring Harness</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Tonneau Wiring Harness</td>
<td>1</td>
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<td>3</td>
<td>Interior Light</td>
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<td>4</td>
<td>Rubber Gasket</td>
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</tr>
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<td>5</td>
<td>Actuator Assembly</td>
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</tr>
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<td>6</td>
<td>P-Clips</td>
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<tr>
<td>7</td>
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<td>8</td>
<td>Long Self-Tapping Screws</td>
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<td>9</td>
<td>Phillips Head Screw</td>
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<tr>
<td>10</td>
<td>Flat Washer</td>
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<tr>
<td>11</td>
<td>Star Washer</td>
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<td>12</td>
<td>Lock Cam with Ball Stud</td>
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<td>13</td>
<td>Plastic Spacer</td>
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</tr>
<tr>
<td>14</td>
<td>Module</td>
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<tr>
<td>15</td>
<td>Rivets</td>
<td>4</td>
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<td>16</td>
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<tr>
<td>17</td>
<td>Pullrod Clip</td>
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<td>18</td>
<td>Bedrail Foam Tape</td>
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<td>19</td>
<td>Actuator Bracket</td>
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</tr>
<tr>
<td>20</td>
<td>M6 Phillips Head Screw</td>
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## RECOMMENDED TOOL LIST

<table>
<thead>
<tr>
<th>Drill with Ø3, Ø6, Ø12 &amp; Ø14mm Drill Bits</th>
<th>Flat-Head Screwdriver</th>
<th>Spanners &amp; Sockets</th>
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<tr>
<td>Masking Tape</td>
<td>Tape Measure</td>
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<tr>
<td>Phillips Head Screwdriver</td>
<td>Torx Head Screwdriver and Bits</td>
<td>Scissors</td>
</tr>
<tr>
<td>Rivet Gun</td>
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**IMPORTANT:**
- Read instructions carefully before installation. It is strongly recommended that installation is conducted by an authorized dealer.
- This product must be installed exactly as specified in these instructions. Failure to do so may result in improper fit and/or retention.
- Recommend installation by 2 people.
- Do not cycle remote key fob continuously or the actuator for operation of the remote locking system will burn out.

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**Maintenance:**
The locking mechanisms & Latches only require occasional lubrication with Graphite Powder.
DO NOT use any other lubricants or oils.
Using alternative products will VOID Warranty.
1. Open Tonneau Cover and detach gas struts by inserting a small screw driver and adjusting the spring clip on the strut as shown. **See Dia #1.** NOTE: Do not remove the spring clip. Only a small amount of levering is required to detach.

2. Remove hinge pins and then remove the Tonneau Cover as shown. **See Dia #2.**

3. Remove and retain the ball stud screws and the tie down brackets from the right hand side of the tub as shown. Outline the position of the right hand side lock striker bracket, drill out the rivet holding it in place. Remove and retain Torx head screw, tie down bracket and lock striker. **See Dia #3.**
4. Remove and retain the remaining tie-down bracket on the right hand side of the bed using a torx-head screwdriver as shown. Open the vehicle’s tailgate and remove and retain the two (2) push rivets and peel back the rubber tailgate seal as far as the base of the tailgate as shown for the right hand side only. See Dia #4.

**IMPORTANT:** If vehicle is fitted with a Sports Bar proceed to Diagram #5 below. Otherwise, proceed to Diagram #9.

5. Remove and retain the jacking brackets from the right hand side rail as shown. Remove and retain the hardware that attaches the Sports Bar to the corner pieces as shown. See Dia #5.

6. Remove and retain all Sports Bar hardware. See Dia #6.
7. Lift and pull the right hand side of the bedliner as shown to gain access to the wiring located in the side panel of the vehicle. Disconnect the Sports Bar LED wiring adapter from the vehicle stop light wiring connectors located behind the bedliner. The Sports Bar LED wiring adapter is no longer needed and can be discarded. Also disconnect the Sports Bar LED wiring harness from the Sports Bar LED wiring adapter as shown. See Dia #7.

8. Remove the Sports Bar from the vehicle, ensuring the Sports Bar LED wiring harness is carefully guided out from behind the bedliner and is not damaged. Do not remove the corner pieces. See Dia #8. IMPORTANT: Now proceed to Diagram #10 (Skip Diagram #9).

IMPORTANT: If your vehicle was fitted with a Sports Bar, skip Diagram #9 and proceed to Diagram #10.

9. Lift and pull the right hand side of the bedliner as shown to gain access to the wiring located in the side panel of the vehicle. Disconnect the vehicle's stop light wiring connectors located behind the bedliner. See Dia #9.

NOTE: This connector is located above the wheel arch towards the rear of the vehicle.
10. Insert the vehicle wiring harness between the two stop light wiring plugs as shown. See Dia #10.

11. Find the white 2-way connectors on the vehicle (directly behind the wheel arch) and unclip them from the vehicle as shown. Disconnect the white 2-way connectors. Connect the white 2-way connectors on the wiring harness to the white 2-way connectors from the vehicle as shown. Finally clip the white 2-way connector back onto the vehicle. See Dia #11.

12. Find the earth wire terminal behind the bedliner near the vehicle's tailgate and remove the bolt holding the terminal together as shown. Locate the earth wire from the wiring harness and locate it over the hole that the bolt was just removed from. While holding everything in place, re-attach the bolt to the earth wire terminal on the vehicle as shown. See Dia #12.
13. Find the middle tie down bracket hole and push the spade terminal from the vehicle wiring harness through it as shown. See Dia #13.

14. Run the grey 4-way connector from the vehicle wiring harness all the way to the front of the tub behind the bedliner as shown. At the front of the tub, pull the grey 4-way connector 200mm out from behind the bedliner as shown. See Dia #14.

**IMPORTANT:** If vehicle has a Sports Bar proceed to Diagram #15 below. Otherwise, proceed to Diagram #20.

15. Fit the Sports Bar to the vehicle as shown. Tuck the Sports Bar LED wiring harness up under the side rail and behind the bedliner as shown. See Dia #15.
16. Feed the LED wiring loom along the inside of the side panel and attach the Sports Bar LED wiring harness to the vehicle wiring harness as shown. Ensure the male wiring connector is orientated correctly when attaching. See Dia #16.

17. Attach the jacking brackets to the side rail using the retained hex head self-tapping screws as shown. Tighten to torque 3Nm. Fasten the corner pieces to the Sports Bar using the retained M6x30mm screws, M6 spring washers, and M6 flat washers as shown. See Dia #17.

18. Attach the Sports Bar front legs to the clamping plates and side rails using the retained 12Gx1½” self tapping screws, M6 spring washers and washer plates as shown. Do not tighten yet. Repeat process for the Sports Bar rear legs. See Dia #18.
19. Tighten all the screws on the Sports Bar right hand leg in the order A – B – C – D – E – F. Tighten A, B, D & E to torque 12Nm. Tighten C & F to torque 10Nm. Repeat process for the Sports Bar left hand leg. Visually check that all screws are home and all spring washers are compressed. **See Dia #19.**

20. Re-attach the bedliner by lifting it back into position, re-install the front tie-down bracket, the push rivets and the tailgate seal as shown. **See Dia #20.**

21. Position the right hand side tie down bracket and attach the ball stud screw as shown. Tighten to torque 10Nm. Align the right hand side lock striker bracket with the previously drawn outline and attach it to the side rail panel with the tie down bracket and torx head screw as shown. Attach a rivet to the lock striker bracket as shown. **See Dia #21.**
22. Lay the Tonneau Cover upside down on a sheet or mat to prevent scratching. Spread the Tonneau wiring harness out on the Tonneau Cover as shown, taking note of the different connectors and their correct positions. See Dia #22.

23. Once the Tonneau wiring harness is in position, apply masking tape to the area where the wiring intersects to hold the harness in place. See Dia #23.

24. Drill Ø3mm pilot holes followed by Ø12mm holes in the Tonneau Cover at the correct locations as shown. Thread the Tonneau wiring harness (spade terminal end) through the holes as shown. See Dia #24.
25. Attach fourteen (14) p-clips to the Tonneau wiring harness at the correct locations as shown, with the hole located at the top. Attach one (1) p-clips to the Tonneau wiring harness at the correct location as shown, with the hole located underneath. See Dia #25.

26. While holding the p-clips in position, drill Ø3mm holes in the Tonneau Cover through the hole in each p-clip as shown. Fasten the p-clips to the Tonneau Cover using the self-tapping screws provided. See Dia #26. IMPORTANT: Before drilling the holes, ensure p-clips are positioned in such a way that the Tonneau wiring harness will remain firmly attached to Tonneau Cover. Also ensure the p-clip closest to the front of the Tonneau Cover is upside down and positioned at an angle as shown.

27. While holding the p-clips in position, drill Ø3mm holes in the Tonneau Cover through the hole in each p-clip as shown. Fasten the p-clips to the Tonneau Cover using the self-tapping screws provided. See Dia #27. IMPORTANT: Before drilling the holes, ensure p-clips are positioned in such a way that the Tonneau wiring harness will remain firmly attached to Tonneau Cover.
Diagram #28

28. While holding the p-clips in position, drill Ø3mm holes in the Tonneau Cover through the hole in each p-clip as shown. Fasten the p-clips to the Tonneau Cover using the self-tapping screws provided. See Dia #28. IMPORTANT: Before drilling the holes, ensure p-clips are positioned in such a way that the Tonneau wiring harness will remain firmly attached to Tonneau Cover.

Diagram #29

29. While holding the p-clips in position, drill Ø3mm holes in the Tonneau Cover through the hole in each p-clip as shown. Fasten the p-clips to the Tonneau Cover using the self-tapping screws provided. See Dia #29. IMPORTANT: Before drilling the holes, ensure p-clips are positioned in such a way that the Tonneau wiring harness will remain firmly attached to Tonneau Cover.

Diagram #30

30. While holding the p-clips in position, drill Ø3mm holes in the Tonneau Cover through the hole in each p-clip as shown. Fasten the p-clips to the Tonneau Cover using the self-tapping screws provided. See Dia #30. IMPORTANT: Before drilling the holes, ensure p-clips are positioned in such a way that the Tonneau wiring harness will remain firmly attached to Tonneau Cover.
31. Drill a Ø3mm followed by a Ø14mm hole in the Tonneau Cover at the correct location as shown. See Dia #31.

32. Thread the Tonneau wiring harness though the previously drilled hole as shown. While holding the final p-clip in position, drill Ø3mm hole in the Tonneau Cover through the hole in the p-clip as shown. Fasten the p-clip to the Tonneau Cover using the self-tapping screw provided. See Dia #32.

33. Remove the inspection cover to gain access to the Tonneau's locking mechanism. Remove and discard the screw and washers holding the lock cam in place as shown. Do not remove the lock cam. Fit the ball stud lock cam, plastic spacer, flat washer and star washer to the locking mechanism using the phillips head screw provided. TIGHTEN TO TORQUE 4Nm. See Dia #33. IMPORTANT: Ensure both lock cams are aligned with eachother and with the locking mechanism as shown.
Diagram #34

34. Ensure the pullrod and pullrod clip on the DRIVER’S SIDE of the locking mechanism are orientated correctly as shown. If they are not orientated correctly, remove the pullrod and pullrod clip and re-attach them correctly. You may need to replace the pullrod clip with a new one provided with the hardware kit. See Dia #34.

IMPORTANT: If vehicle has a “TWIN HUMP” Tonneau proceed to Diagram #35 below. Otherwise, proceed to Diagram #40 for “FLAT” Tonneau.

Diagram #35

35. Cut out drill template #1 and position it on the Tonneau Cover over the inspection hole. Once in position, use a centre punch to lightly mark the hole locations onto the Tonneau Cover. Remove the template and drill Ø3mm pilot holes followed by Ø6mm holes at the locations marked. See Dia #35.

Diagram #36

36. Connect the 2-way connector from the Tonneau wiring harness with the actuator as shown. See Dia #36.
Diagram #37

37. Position the actuator inside the Tonneau Cover and attach the long self-tapping screws as shown. Finally, clip the pullrod from the actuator onto the lock cam with ball stud as shown. See Dia #37. NOTE: Ensure the joining element and pull rod clip are attached to the actuator. If they aren’t, clip them into place as shown. Also ensure that all the wiring is moved out of the way and cannot interfere with the locking mechanism. Replace any bedrail foam tape that was damaged with the foam tape provided in the hardware kit.

Diagram #38

38. Cut out drill template #2 and position it on the Tonneau Cover as shown. Once the template is taped in place, use a file to widen the edges of the hole in the Tonneau Cover to meet the edges of the hole in the template as shown. If the holes are already the same size, proceed to the next Diagram. See Dia #38.

Diagram #39

39. Use a centre punch to lightly mark the hole location in the Tonneau Cover as indicated by the drill template. Remove the template and drill a Ø3mm pilot hole followed by a Ø12mm hole at the marked location. Thread the 2-way connector from the Tonneau wiring harness through the drilled hole. See Dia #39.
IMPORTANT: If vehicle has a "FLAT" Tonneau proceed to Diagram #40 below. Otherwise, proceed to Diagram #42 for "TWIN HUMP" Tonneau.

Diagram #40

40. Align the two (2) holes in the actuator bracket to the holes in the actuator as shown, ensure correct orientation. Secure the actuator to the actuator bracket with two (2) long self-tapping screws as shown. See Dia #40.

Diagram #41

41. Connect the 2-way connector from the Tonneau wiring harness with the actuator as shown. Position the actuator inside the Tonneau Cover and attach with three (3) M6 Phillips head screws as shown. Clip the pullrod from the actuator onto the lock cam with ball stud as shown. See Dia #41.

NOTE: Ensure the joining element and pull rod clip are attached to the actuator. If they aren't, clip them into place as shown. Also ensure that all the wiring is moved out of the way and cannot interfere with the locking mechanism. Replace any bedrail foam tape that was damaged with the foam tape provided in the hardware kit.

Diagram #42

42. Attach the module to the 6-way male connector on the Tonneau wiring harness. Remove the protective backing from the module and adhere it to the Tonneau Cover as shown. See Dia #42.
Diagram #43

43. While holding the spring-loaded catches down, fit the rubber gasket to the interior light as shown. Connect the 2-way male connector from the Tonneau wiring harness to the female connector from the interior light as shown. While holding the spring-loaded catches down, insert the interior light into the Tonneau Cover. The spring-loaded catches will spring back once the light is installed and will hold it in place. See Dia #43. IMPORTANT: Ensure that all the wiring for the interior light is contained inside the Tonneau Cover before installing the interior light.

Diagram #44

44. Open vehicle's tailgate. Fit Tonneau Cover and secure hinges with hinge pins as shown. See Dia #44.

Diagram #45

45. Remove and discard the driver's side gas strut and replace it with the new gas strut supplied in the hardware kit. Attach the gas struts by clipping them into place as shown. ENSURE THE NARROW END OF THE GAS STRUT MOUNTS TO THE VEHICLE. Connect the wiring harness to the terminals on the driver's side gas strut as shown. See Dia #45. NOTE: Attach gas strut with terminals to the driver's side of the vehicle.
IMPORTANT: If vehicle has a Sports Bar proceed to Diagram #46 below. Otherwise, proceed to Diagram #47.

Diagram #46

46. Adjust jacking bolts until corner pieces are level with the main surface of the Tonneau Cover. Once in the correct position, lock the M8 nuts into position against the bracket using a spanner. Repeat for other side of vehicle. See Dia #46.

Diagram #47

47. Loosen the screw found on the terminal housing on the driver's side gas strut, until it can move up and down the strut freely. With the tailgate open, gently close the Tonneau Cover. Inspect the driver's side gas strut and ensure the terminal housing has come into contact with the gas strut's cylinder as shown. Finally, open the Tonneau Cover and tighten the screw on the terminal housing as shown. See Dia #47.

Diagram #48

48. Join the two 4-way connectors located at the front of the tub as shown. Push the terminals behind the bedliner after they are attached. See Dia #48.
Diagram #49

49. Manually lock and unlock the Tonneau Cover using the key supplied. Check operation of the central unlocking mechanism by pressing the lock and unlock on your vehicle's key. Review operation through the inspection cover. Test operation of lock mechanism by pressing Tonneau's push button after you have pressed lock on the vehicle's key, and then again after you have pressed unlock on the vehicle's key. Finally, replace the inspection cover. See Dia #49.

Diagram #50

50. Open and close the Tonneau Cover with the tailgate open to check whether or not the Tonneau Cover interior light is functioning correctly. Ensure that the light turns on when the Tonneau is open and turns off when the Tonneau is closed. If the light DOES NOT work, check adjustment of the gas strut switch (refer to Diagram #47). See Dia #50.
REMOVAL OF TONNEAU COVER

Diagram #1

1. Open Tonneau Cover, pull the 4-way connectors out from behind the bedliner and disconnect them. Disconnect the wiring harness from the terminals on the driver's side gas strut. Detach gas struts by inserting a small screw driver and adjusting the spring clip on the strut as shown. See Dia #1. NOTE: Do not remove the spring clip. Only a small amount of levering is required to detach.

Diagram #2

2. Remove hinge pins and remove the Tonneau Cover as shown. See Dia #2.
REPLACEMENT OF TONNEAU COVER

Diagram #1

1. Fit Tonneau Cover and secure hinges with hinge pins as shown. See Dia #1.

Diagram #2

2. Attach gas struts by clipping into place. ENSURE THE NARROW END OF THE GAS STRUT MOUNTS TO THE VEHICLE. Connect the wiring harness to the terminals on the driver’s side gas strut as shown. Join the two 4-way connectors located at the front of the tub and push them behind the bedliner. See Dia #2. NOTE: Refer to Diagram #47: Ensure the gas strut switch works correctly and adjust if necessary.
DRILL TEMPLATE #1

- Push this edge under rubber seal
- Drill Ø3mm pilot holes then Ø6mm holes
- Align with inspection hole
- Cut away

Rear of tonneau
DRILL TEMPLATE #2

CUT AWAY
ALIGN CENTRE OF TEMPLATE WITH CENTRE OF HOLE IN TONNEAU COVER

DRILL Ø15MM THEN Ø12MM
INCREASE HOLE IN TONNEAU TO Ø15MM

REAR OF TONNEAU