



SHIFTER MODIFICATION INSTRUCTION MANUAL



ATS SWAP CUMMINS TO ALLISON CONVERSION

2007½+ RAM 6.7L CUMMINS COMMON RAIL





**Installation Manual v1.0:
68-RFE to Allison LCT1000 Conversion Kit
2007½-2019 Ram 6.7L Cummins Common Rail**



Please read all instructions before attempting installation.

Thank you for purchasing the ATS 68RFE to Allison LCT-1000 Conversion Kit for 2007½-2019 Ram 6.7L Cummins. Backed by our proprietary TRANSLator® technology and our exclusive, patent-pending Allison to Cummins Bellhousing, this kit enables the Allison transmission to operate under complete factory functionality from your late model Ram; from push button start to tow/haul mode, electronic range select and electronic transfer case functionality.



NOTE: Vehicle will need to have ECM flashed to an Aisin® calibration; you will need to ensure that this procedure can be completed before proceeding with installation.

SHIFTER MODIFICATION INSTRUCTIONS

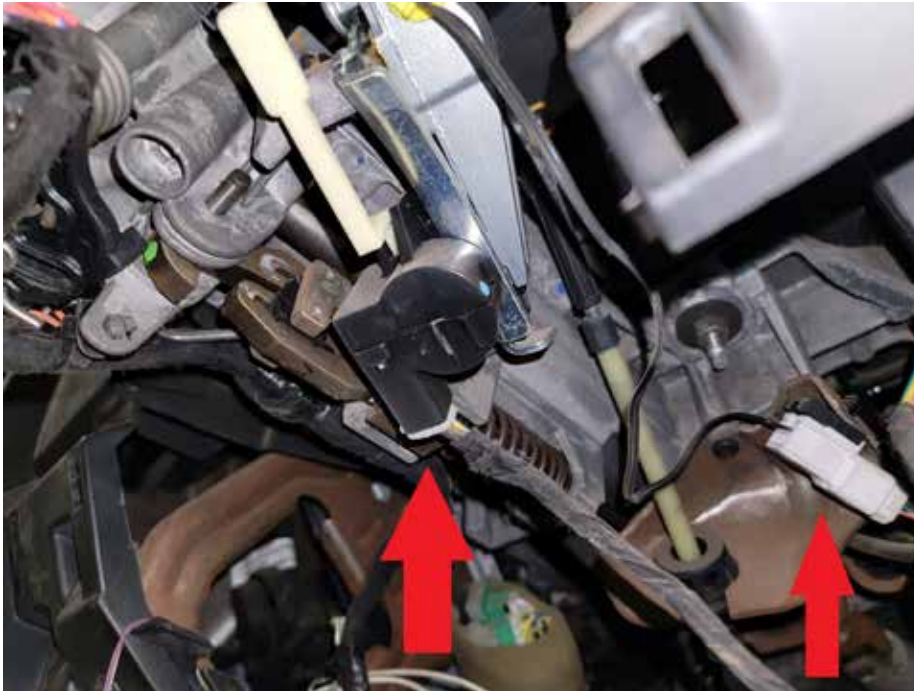
1. Remove 2 screws holding kick panel under steering wheel to dash panel and remove kick panel.



2. Using a long T20 remove 3 screws attaching steering column shroud halves together and lower shroud to steering column.



3. Remove bottom half of steering column shroud.
4. Remove upper half of steering column shroud.
5. Disconnect connector for shift interlock and remove tap shift harness connector from bracket and disconnect.



6. Remove shifter cable from shifter assembly.



7. Remove (3) T27 bolts holding shifter assembly to steering column and remove from vehicle.



8. Trim plastic piece with snips as shown below.



9. Using Dremel or similar tool grind shifter assembly as shown to allow shifter detent to move further up into shifter assembly. (The long side of the curved opening will typically need to be extended to the point where the assembly starts to bend)



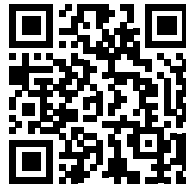
10. Reinstall shifter assembly onto steering column and attach shifter cable and ensure manual position in transmission can be reached by pulling shifter down through gears.
11. Once enough material has been removed reconnect shift interlock and tap shifter connectors, and reinstall steering column shroud and kick panel.

END OF SHIFTER MODIFICATION INSTALLATION.

For electronics upgrade instructions, refer to the **ELECTRONICS INSTALLATION MANUAL**.

For transmission installation instructions, refer to the **TRANSMISSION INSTALLATION INSTRUCTION MANUAL**.

If you need to order either/both of these instructions, please call (800) 949-6002, or you can download them by scanning the QR codes below.



Scan the QR code above to download installation instructions. Installation instructions are in Adobe PDF format.



NOTES

LIMITED WARRANTY STATEMENT:

ATS Diesel Performance warrants the original purchaser that any parts purchased shall be free from defects in material and workmanship. ATS Diesel Performance is the warrantor of this product, in the event this product is purchased from a distributor or retailer other than ATS Diesel Performance the customer must contact ATS Diesel Performance for any warranty concerns, not the purchasing dealer. A defect is defined as a condition that would render the product inoperable. This warranty does not cover deteriorating of plating, paint or any other coating. ATS liability is limited to the repair or replacement, at ATS's option, of any warrantable product returned prepaid with a complete service history and proof of purchase to the factory. A valid proof of purchase is a dated bill of sale. Repaired or replaced, product will be returned to the customer, freight collect on a like-for-like part number basis. Accepted warranty units, which have been replaced, become the sole property of ATS.

A Return Product Authorization number obtained in advance from an ATS customer service representative must accompany products returned for warranty determination. ATS will be the final authority on all warranty decisions.

This warranty shall not apply to any unit which has been improperly stored or installed, subjected to misapplication, improper operating conditions, accidents, or neglect; or which has been improperly repaired, altered or otherwise mistreated by the owner or his agent.

This warranty shall terminate at the end of 12 months in service with the original user. Labor cost incurred by the removal and replacement of an ATS product, while performing warranty work, will be the responsibility of the vehicle owner; in no case does the obligation of ATS Diesel Performance exceed the original purchase price of the product as indicated on the original bill of sale.

Except as set forth in this warranty, ATS disclaims any implied warranty, including implied warranties of merchantability and fitness for a particular purpose. ATS also disclaims any liability for incidental or consequential damages including, but not limited to, repair labor, rental vehicles, hotel costs or any other inconvenience costs. This warranty is in lieu of all warranties or guarantees, either expressed or implied, and shall not extend to any customer or to any person other than the original purchaser residing within the boundaries of the continental US or Canada.



NOTE: We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our Technical Support Webpage (<https://www.atsdiesel.com/instructions>) to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at: suggestions@atsdiesel.com



CONTACT US

ATS Diesel Performance, Inc.
5293 Ward Rd.
Arvada, CO 80002

Toll Free: (800) 949-6002

Local: (303) 431-7973

Fax: (303) 431-0135

Website: www.atsdiesel.com

Email: info@atsdiesel.com

TROUBLESHOOTING:

Thank you for purchasing the ATS Swap Conversion Kit - 68RFE to Allison LCT1000 transmission. This manual is to assist you with your installation and operation of the unit. Please use the contact information to the left for assistance with any troubleshooting or questions regarding this installation. If you are installing the unit for a customer, please pass this manual on to your customer for future reference.

PATENTED INNOVATION MEANS MORE POWER TO THE GROUND.

ATS WARRANTY
5yr/500k



Proudly manufactured in Arvado, Colorado, U.S.A.