

INSTALLATION INSTRUCTIONS

SUBJECT: AlliLocker

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FITMENT: 2001-2005 LB7/LLY Duramax

KIT P/N: FPE-ALILKR

ESTIMATED INSTALLATION TIME: 30-45 minutes

TOOLS REQUIRED: Wire cutter, wire stripper, pliers, flat head screwdriver, socket/wrench for battery terminal.

KIT CONTENTS:

Item	Description	Qty
1	AlliLocker	1



⚠ WARNING: When engaged, this product inhibits reverse.

⚠ WARNING: This product is intended for closed course race use only. Do NOT use on public roadways.

⚠ WARNING: Always disengage the bypass switch and unlatch the lock switch when not in use.

WARNINGS:

- Use of this product may void or nullify the vehicle's factory warranty.
- User assumes sole responsibility for the safe & proper use of the vehicle at all times.
- The purchaser and end user releases, indemnifies, discharges, and holds harmless Fleece Performance Engineering, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Fleece Performance Engineering, Inc. will not be liable for any direct, indirect, consequential, exemplary, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.

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PROCEDURE:

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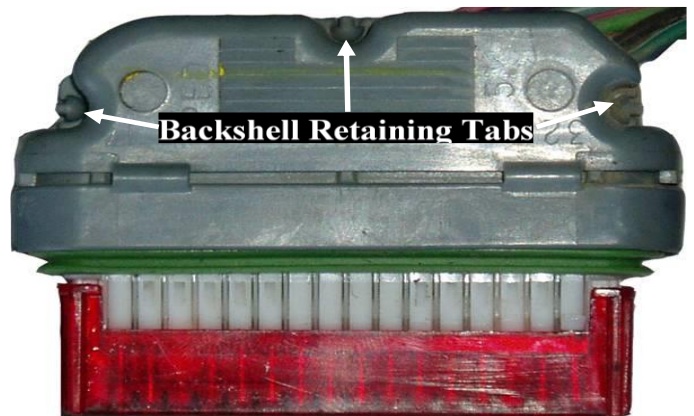
Preparatory Steps: Disconnect the vehicle batteries.

STEP 1: Remove the shroud on the radiator that covers the TCM. It is located on the driver's side.



STEP 2: Remove the red connector from the TCM. The TCM is labeled RED and GRAY to identify the connectors.

STEP 3: Separate the gray backshell of the red connector by pressing the 3 retaining tabs and opening at the split line.



STEP 4: Locate cavity number 29. The wire in cavity 29 controls the Torque Converter Clutch (TCC) and is brown or tan.

STEP 5: Cut this wire about 6" from the TCM connector. Strip the ends of the wire back and crimp on the supplied spade connectors. The male spade connector should be crimped onto the end attached to the TCM connector. The female should be crimped onto the vehicle harness end of the brown wire.



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STEP 6: Connect the AlliLocker harness spade connectors to their appropriate mates on the TCM harness. It will only attach one way. The white wire will connect to the TCM side. The blue wire will connect to the vehicle harness (solenoid) side.

STEP 7: Connect the orange wire to 12v Switched Ignition.

STEP 8: Connect the black wire to Battery Ground.

STEP 9: Re-connect vehicle batteries.

Operation:

	<i>State</i>	<i>Function</i>
<i>Bypass Switch</i>	LED OFF (disengaged)	TCC Operation Controlled by the TCM
	LED ON (engaged)	TCC Operation Controlled by the Lock Switch
<i>Lock Switch</i>	Latched (Down)	When Bypass LED is illuminated, TCC is commanded to lock
	Unlatched (Up)	When Bypass LED is illuminated, TCC is commanded to NOT lock

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Wiring Diagram:

FPE-2021-47 AlliLocker Wiring Diagram
2001-2005 LB7/LLY 5-spd

