

INSTALLATION INSTRUCTIONS

SUBJECT: AlliLocker

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FITMENT: 2006-2016 LBZ/LMM/LML 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.

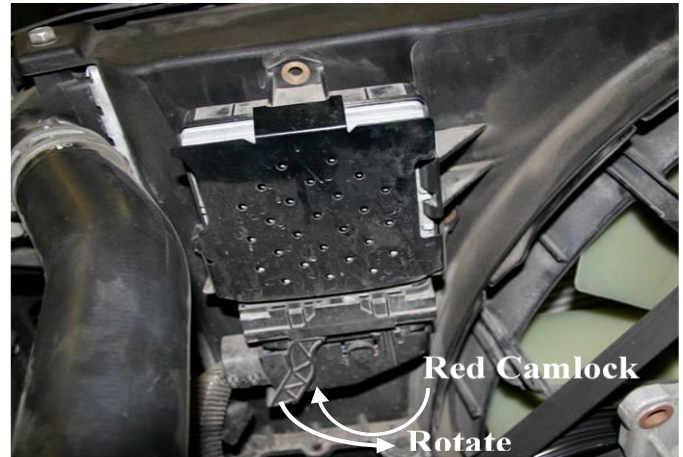
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PROCEDURE:

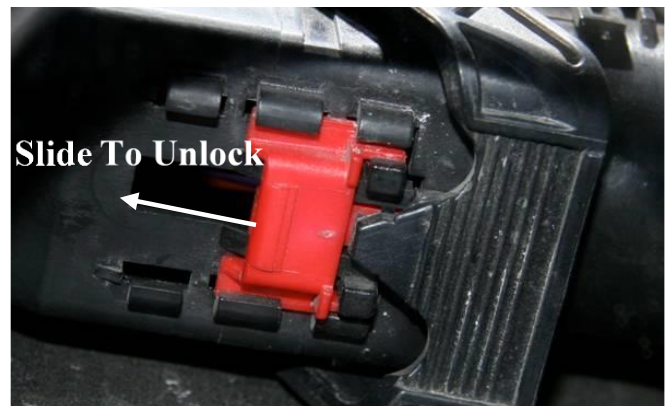
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Preparatory Steps: Disconnect the vehicle batteries.

STEP 1: Remove the TCM from the radiator shroud by prying the push lock connector from the shroud.

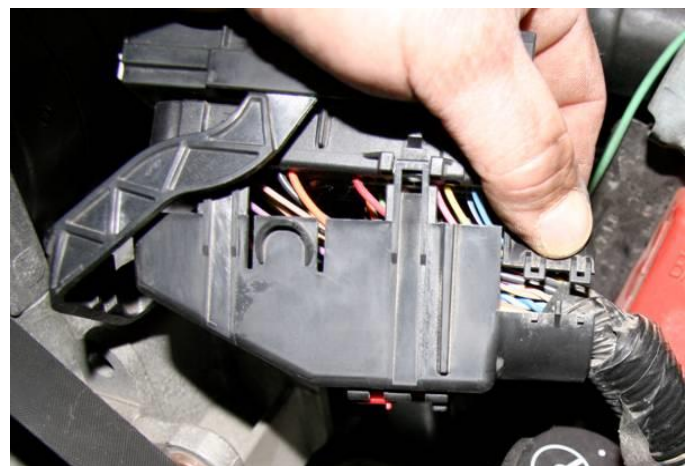


STEP 2: Unhook the TCM harness from the TCM by sliding the red camlock as shown and rotating the camlock lever. Gently pull the connector from the TCM.



STEP 3: Remove the harness shroud from the TCM connector by gently prying the tabs and separating.

NOTE: The cavity numbers are labeled on the back of the connector.



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STEP 4: Locate the TCC clutch control wire.

FOR MY 2006-2014: Locate cavity number **78**. The wire in cavity 78 controls the Torque Converter Clutch (TCC) and is brown or tan in color. See page 4 for a schematic.

FOR MY 2015-2016: Locate cavity number **19**. The wire in cavity 19 controls the Torque Converter Clutch (TCC) and is gray in color. See page 5 for a schematic.

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 should be crimped onto the end attached to the TCM connector. The female should be crimped onto the vehicle harness (solenoid) end of the brown wire.

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 a 12v switched ignition source.

STEP 8: Connect the black wire to Battery Ground.

Operation:

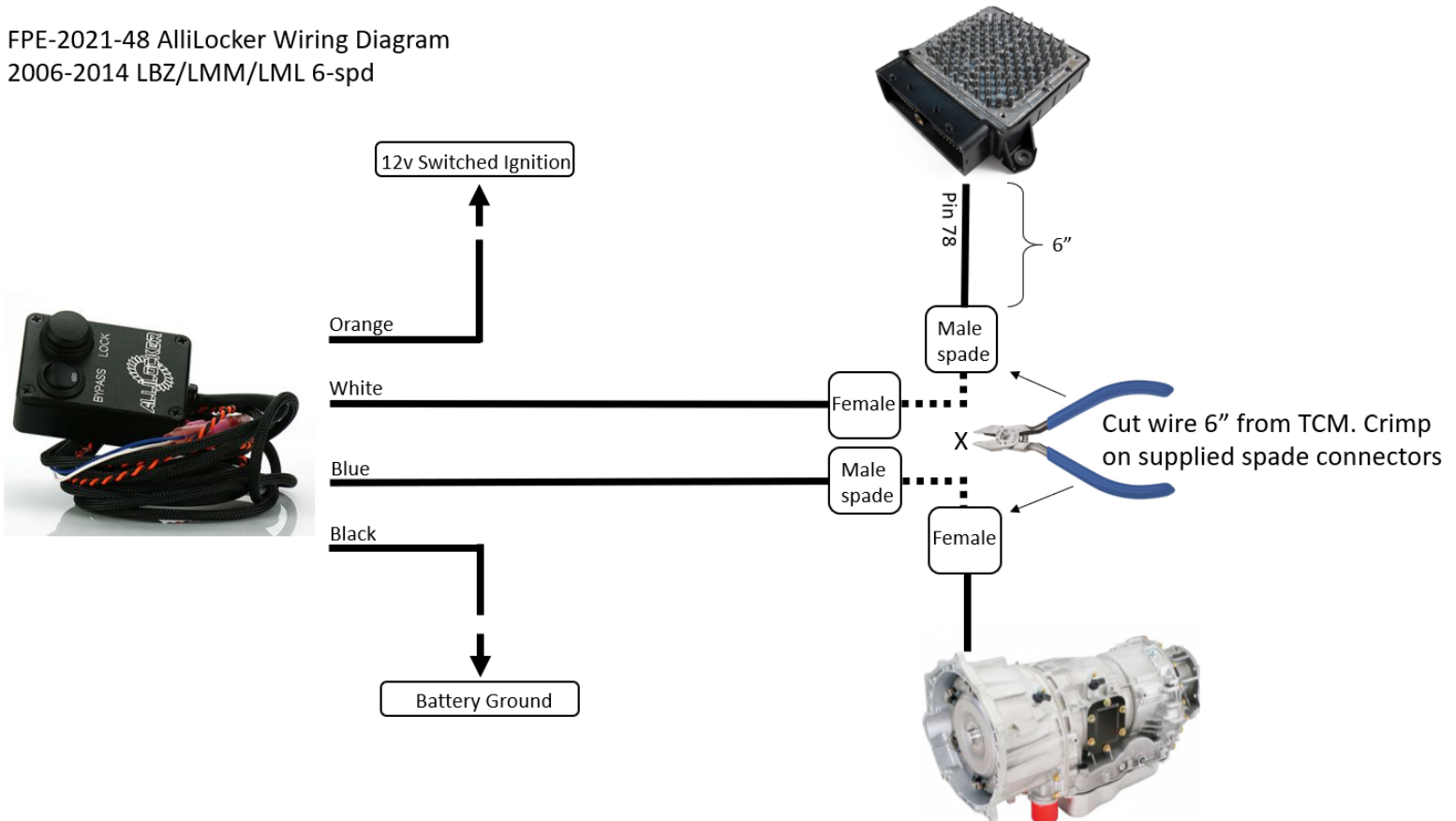
	<i>State</i>	<i>Function</i>
<i>Bypass Switch</i>	LED OFF (disengaged)	TCC Operation Controlled by the TCM
	LED ON (engaged)	TCC Operation Controlled by the Lock Switch
<i>Lock Switch</i>	Latched (Down)	When Bypass LED is illuminated, TCC is commanded to lock
	Unlatched (Up)	When Bypass LED is illuminated,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

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Wiring Diagram:

FPE-2021-48 AlliLocker Wiring Diagram
2006-2014 LBZ/LMM/LML 6-spd



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FPE-2021-48 AlliLocker Wiring Diagram
2015-2016 LML 6-spd T87 TCM

