

FTI-TLP1 Type 3A - Vehicle Coverage & Preparation Notes

RSTECH,LLC.
SUPPORT - 1 (888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-TL7					Park / Auto			Green White/Blue
Lexus	IS200t PTS	2016	Type 3A	OBD-II	yellow		red (5)	Sample
Lexus	IS250 PTS	2014-15	Type 3A	OBD-II	yellow		red (5)	Sample
Lexus	IS300 PTS	2016	Type 3A	OBD-II	yellow		red (5)	Sample
Lexus	IS350 PTS	2014-16	Type 3A	OBD-II	yellow		red (5)	Sample
								Sample
Toyota	Highlander Hybrid PTS	2014-16	Type 3A	OBD-II	yellow		red (5)	Sample
Toyota	Highlander PTS	2014-16	Type 3A	OBD-II	yellow		red (5)	

Notes:

Firmware: BLADE-AL(DL)-TL7, flash module and update starter before installation

Install: Type 3A vehicles require use of DL-TL7 firmware and connections marked TL7 (BLADE, Pk Light, and intermediate harness configuration connector), using any other connections labeled TL2 or TL6 will result in malfunction.

CAN: The TLP1 harness has multiple configuration options for sourcing vehicle CAN data, this install type requires connection to the CAN source labeled OBD. Do not use the connector labeled BCM.

Lights: Parking lights require connection of the **yellow** wire, labeled TL7 PK LIGHT, to the controller output for status and diagnostic reporting.

Trunk: Trunk release in requires a direct connection to the BECU, connect the harness **red/white** wire to the **red wire** in pin #5, of the 28-pin connector. The covered vehicles also requires use of the harness lock connector to ensure proper synchronization.

PTS Button: Idle Mode, a feature which allows the user to exit a running vehicle and enable shutdown control and monitoring by the remote starter, requires a connection to the vehicle PTS button. If this feature is not desired, no connection is made.

No Takeover: TL7 operation does not provide secure takeover, the vehicle will shut down upon vehicle entry.

- FT-DAS Required for manual transmission.
- BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting			
Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In (Default)
Ignition (Default)	<input type="checkbox"/>	<input type="checkbox"/>	
Trunk	<input type="checkbox"/>	<input type="checkbox"/>	Starter
Starter	<input type="checkbox"/>	<input type="checkbox"/>	Ignition
Parking Light (Default)	<input type="checkbox"/>	<input type="checkbox"/>	Accessory (Default)

CM7000/7200

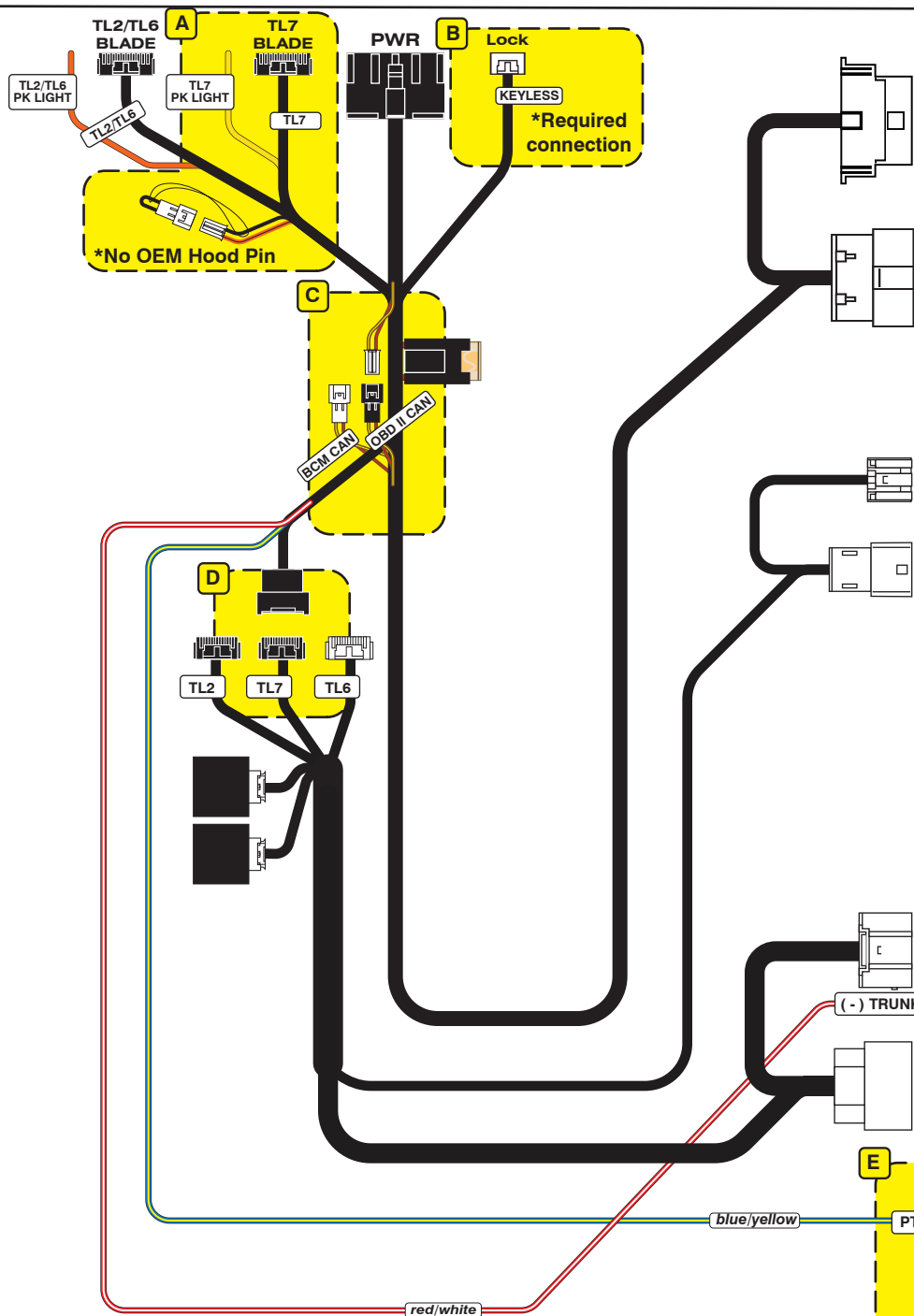
CM-900S/900AS

CM900AS/900S Jumper



FTI-TLP1 Type 3A - Installation Notes & Wiring Diagram

- A** Type 3A install requires using the BLADE and PK LIGHT connections marked TL7, secure unused TL2 & TL6 connections. If vehicle is not equipped with an immobilizer, connect jumper before programming.
- B** Type 3A installation requires using the 6-pin CM lock connector to maintain synchronization with the factory lock system, failure to make connection will result in malfunction and performance issues.
- C** Type 3A install sources CAN data from the vehicle OBD-II connector, use the connector marked OBD and secure the unused BCM connector for safety.
- D** Type 3A installation uses BLADE-AL(DL)-TL7 firmware and the intermediate configuration jumper marked TL7, using any other jumper will result in malfunction. Secure unused connectors for safety.
- E** PTS connection is required for IDLE MODE (allows user to exit running vehicle, enabling shutdown control and monitoring by the remote starter), connection is not required if this feature is not desired.



No Takeover: TL6 firmware operation does not provide secure takeover, the vehicle will shut down upon opening driver's door.

Module Programming Procedure

- Step 1 - Activate IGN, module LED goes red at IGN
- Step 2 - Wait, LED should go solid green to complete programming
- Step 3 - If module flashes green, turn IGN off and wait for solid red LED
- Step 4 - When LED goes solid red, activate IGN and wait for solid green
- Step 5 - Programming complete

LED Programming Error Codes

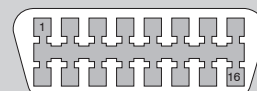
Module LED flashing RED during programming

- 1x - CAN error, confirm harness configuration
- 2x - No IGN, confirm IGN power and harness configuration
- 3x - IMMO/CAN error, confirm harness configuration
- 4x - No VIN, module may default to base platform #2
- 5x - Unknown VIN, module may default to base platform #2
- 6x - OEM starter detected, cycle IGN, if issue persists, remove and reprogram

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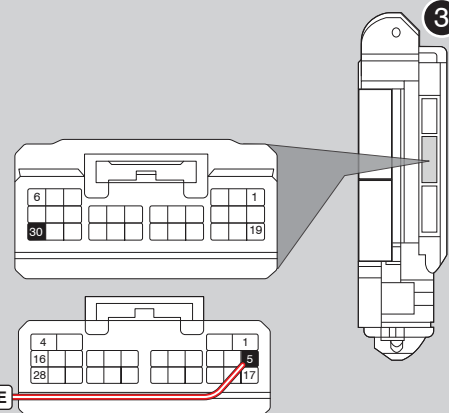
OBD-II Connector



Steering Lock Connector



Main Body ECU



PTS Button



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