

- 1 LS550 V8 Harness
- 2 Peak & Hold Jumper Harness
- 1 LS550 8-Way Connector Kit
- 1 LS550 10-Way Connector Kit
- 1 LS550 12-Way Connector Kit
- 1 Operation and Installation Guide

FT550/FT550LITE Gm Gen III LS Harness Connectors

- **FuelTech FT550** main and auxiliary: Direct connection to FT550, both connectors must be securely installed.

- **CAN A:** 4 way connector in the harness close to the ECU in order to allow CAN communication with the Wideband Nano and other CAN products.

- **CAN B:** Deutsch connector in the harness close to the ECU to allow a second CAN communication with a different protocol. Usually CAN B is used to communicate with stock GM CAN or other equipments.

- **2x FuelTech Peak and Hold:** These are the driver boxes needed to fire low impedance injectors. When the system uses high impedance injectors, two jumper harnesses are required 2001000071 (sold separately). If the Peak and Hold or the jumper wires are not being used, the injectors will not fire.

- **FuelTech Dual WB-O2 Nano:** This connector goes to the FuelTech WB-O2 Nano unit. On the engine side, there is a connector for the wide band O2 sensor 3022000965 (sold separately).

- **3x 40A Relay:** The system has 3 relays to power everything. The Main Relay powers the ECU, WB-O2 Nano and all the sensors. There's a second relay that powers the Peak and Hold drivers and the injectors. Also, there's a third relay that powers the coils.

- **Switched +12V wire:** This wire comes from the ignition switch and it turns the main relay on.

- **Power ground, battery ground and battery positive:** These wires are the system power supply and must be connected exactly as the following: Battery (+) goes straight to the battery's positive or kill switch. Battery (-) and power ground **MUST BE CONNECTED** to the battery's negative terminal.

- **Fuel pressure sensor:** This input can be used to read fuel pressure using a FuelTech PS sensor or SSI P51 Packard sensor.

- **Oil pressure sensor:** This input can be used to read oil pressure using a FuelTech PS sensor or SSI P51 Packard sensor.

- **Crank trigger sensor (Hall effect):** LS harness is ready for both 58x and 24x OEM Hall Effect sensors.

- **Cam sync sensor (Hall effect):** LS Harness is ready for both front and rear cam sync OEM Hall Effect sensors **MUST BE SINGLE TOOTH ON 24X APPLICATIONS.** (USE CAM GEAR #12576407)

- **Flex Fuel Sensor:** GM style Flex fuel sensor ready (sensor 5005100353 sold separately).

- **Engine temperature sensor:** Ready for GM style CLT sensor.

- **Intake air temperature sensor:** Ready for GM style IAT sensor.

- **2x Bosch wideband sensors:** This harness is ready to use a Bosch LSU 4.2 Wideband Sensor.

- **8x fuel injectors outputs:** 8 injectors outputs (EV1 or EV6/EV14 or Nippon Denso) which allows sequential fuel injection and individual fuel cylinder trim.

- **Throttle position sensor:** The TPS measures the throttle position. The LS harness has a 3-way Metri-Pack connector and almost any 0-5V TPS can be used or Electronic throttle body (driveby-wire) (GM 25835421 - Corvette Style)