

HP AND DOMINATOR COMPONENT SELECTION GUIDE

Use when building Dominator Systems or Custom HP Systems

STEP 1 (required) Choose your ECU	STEP 2 (required) Choose Your Main Harness	STEP 3 (required) Choose Your Injector Harness
554-114 Dominator ECU only 554-113 HP ECU only 558-308 Main Power harness Notes: ECUs include USB communications cable, mounting hardware and software CD. When purchasing an HP or Dominator ECU seperately a main power harness is required.	558-100 4BBL TBI Main Harness Only 558-101 TPI/SR Harness 558-102 LS1 Harness 558-103 LS2 Harness 558-104 Universal MPFI 558-105 Unterminated Harness Notes: Select one that meets customers needs 558-100 - Designed for Holley 4 bbl TBI systems 558-101 - Designed for Holley Stealth Ram Systems and factory GM TPI engines (speed density) 558-102 - Designed for 24x crank and 1x rear mount cam sensor. Connects to factory coil harnesses and all factory sensors. 558-103 - Designed for 58x crank and 4x front mount cam sensor. Connects to factory coil harnesses and all factory sensors. 558-104 - Fully terminated. Designed for single plane style EFI intake manifolds and Holley MPFI intakes 558-105 - 15' harness length. Fully terminated and populated at ECU connections only. User must terminate all sensor ends. Includes a variety of sensor connectors and pins but end user may have to supply sensor pins and connectors suited for their specific application	558-200 V8 Injector harness 558-201 LSx Inj Harness 558-202 Universal 4 Cyl Inj Harness 558-203 Universal 6 Cyl Inj Harness 558-204 Universal Unterminated Inj 558-205 4 Bbl Holley TBI 558-206 Terminated 2x4 Holley TBI 558-207 Unterminated 16 injector MPFI 558-208 Unterminated 24 injector MPFI Notes: Select one that meets customers needs 558-200/203 - Universal "Y" style harness using standard Bosch style injector connectors 558-201 - "Y" style harness for any V8 engine using "EV6" style of injector.  558-202 - Fully terminated 4 cylinder harness using standard Bosch style injector connectors 558-204/207/208 - Terminated at injector connectors (Bosch style). Harness must be assembled and require crimping Metripak 150 connectors. Includes all connectors, pins, terminals, and loom needed. 558-206 - Fully terminated harness when using two 4Bbl Holley TBI units On LS based engines, the LSX harness should be used on LS2/LS7 engines. It utilizes the EV6 connector. The V8 Injector harness should be used on LS1/LS6 engines. It utilizes the Bosch style connector. Truck engines may have three different connectors. The EV6, Bosch and a GM Multec 2. Currently we do not have a harness for the Multec 2.

STEP 4 (required) Choose your Ignition Harness	STEP 5 (optional) Choose Your Transmission Control	STEP 6 (optional) Choose Your Drive-By-Wire Control
558-303 Mag Pickup Ign Harness 558-304 HEI Ign Harness 558-305 Ford TFI Ign Harness 558-306 Universal Unterm Ign Harness 558-307 LS coil retro-fit harness (includes wiring & pins to wire GM LSX coils to non LSX engines. Customer must supply factory GM coil harness) 558-410 Crank/Cam Ign Harness Notes: Select one that meets customers needs if controlling timing 558-303 - Used to connect to a magnetic pickup distributor or crank trigger. Customer must supply sensor connectors/pins. 558-304 - Connects to small cap computer controlled GM HEI 558-306 - Semi-terminated. Includes all wiring to hook up to any crank and cam sensor. Shield/ground cable used. Customer must supply crank/cam pins and connectors for their specific sensor and may have to crimp metripak 150 pins. 558-410 - Fully terminated harness. Connects to Holley 60-2 crank sensor and GM Cam-Sync Distributor AC Delco PN 213-350 or eficonnection.com sync pulse distributor.	558-405 4L60/80 Harness Notes: Transmission control with Dominator ECU ONLY 558-405 - Fully terminated harness for GM 4L60/65/70/80/55E transmissions	558-406 GM DBW Harness Notes: DBW control with Dominator ECU only! Only works with the following throttle bodies and DBW pedal assembly Approved GM throttle body part numbers GM P/N - 12570790 GM P/N - 12580760 Approved GM Throttle Pedal Assy part number: GM P/N 10379038



STEP 7 [optional]
Choose your Auxillary Harness

558-400	J1A/B I/O Cnctr. Dom & HP
558-401	J2A Cnctr. & Harness
558-402	J2B Cnctr. & Harness
558-403	J3 Cnctr. & Harness
558-404	J4 Cnctr. & Harness
558-408	J2-J4 Cnctr. Kit

Notes:
558-400 - Connects into Main Harness Input/ Output Connector (8 pin metripak). Loose lead wires.
558-401 - Includes J2A ECU connector with fully terminated #2 wide band oxygen sensor cabling. Comes with loose lead wires for all other input connections (qty 23). ECU pins are pre-crimped.

558-402 - Includes J2B ECU connector. Includes all output connection wires (qty 16). ECU pins are pre-crimped.

558-403 - Includes J3 ECU connector. Includes all input and output connection wires (qty 17). ECU pins are pre-crimped.

558-404 - Includes J4 ECU connector. Includes all input and output connection wires (qty 26). ECU pins are pre-crimped.

See holleyefi.com for more info.

STEP 8 [optional]
Choose Your Injectors

522-191	Single Inj 19PPH
522-198	8 pk Inj 19PPH 300HP Max
522-241	Single Inj 24PPH
522-248	8 pk Inj 24PPH 385 HP Max
522-301	Single Inj 30PPH
522-308	8 pk Inj 30PPH 480 HP Max
522-361	Single Inj 36PPH
522-368	8 pk Inj 36PPH 575 HP Max
522-421	Single Inj 42PPH
522-428	8 pk Inj 42PPH 670 HP Max
522-481	Single Inj 48PPH
522-488	8 pk Inj 48PPH 765 HP Max
522-661	Single Inj 66PPH
522-668	8 pk Inj 66PPH 1050 HP Max
522-831	Single Inj 83PPH
522-838	8 pk Inj 83PPH 1325 HP Max
522-121	Single Inj 120PPH
522-128	8 pk Inj 120PPH 1900 HP Max

Notes:
Choose Injector needed
* Low impedance

STEP 9 [required]
Choose Your Sensors

554-100	NTK Wideband Sensor
554-101	Bosch Wideband Sensor
554-102	100 PSI Sensor
554-103	200 PSI Sensor
554-104	1600 PSI Sensor
538-24	1 bar MAP sensor
538-13	2 bar MAP sensor
554-107	3 bar MAP sensor
554-108	5 bar MAP sensor
534-10	Coolant Temp Sensor
9920-107	Air Temp Sensor

Notes:
Choose all that apply to your customer
554-102/103/104 - Come with short pigtail connector for sensor

Oxygen sensor recommendation:
The NTK sensor is recommended when using leaded or methanol fuels, high exhaust gas temperature applications (turbo charged) or for highest precision feedback.

STEP 13 [optional]
Choose Your Modules

554-111	Nitrous solenoid driver
554-112	2 wire coil driver module
554-115	Peak and Hold Module, Water/Meth

Notes:
554-111 - The nitrous solenoid driver is REQUIRED when progressively controlling nitrous oxide solenoids. It can be used for non-progressive nitrous to replace a standard relay. Requires a PWM - (ground) output

554-112 - Required when using 2 wire coils. One module can drive 4 coils. Dominator and HP ECUs can directly trigger "smart coils" triggered by a 5 volt input.

554-115 - Required to drive a water/ methanol solenoid if there is not an extra injector driver available.

STEP 14 [optional]
Choose Your Water Meth

557-100	Pump
557-101	Installation kit
557-103	Solenoid/Nozzle 600CC up to 400HP
557-105	Solenoid/Nozzle 900CC up to 600HP
557-106	Solenoid/Nozzle 1000CC up to 800HP
557-107	Water Inj Filter

Notes:
For a complete kit, a pump, installation kit, filter and solenoid nozzle of the appropriate size is required. A peak and hold module may be required when using an HP ECU.

STEP 15 [optional]
Choose Your Boost Control

557-200	3 port valve
557-201	4 port valve

Notes:
Boost control is not currently available.

Check holleyefi.com for updates and availability.

STEP 10 [optional]
Choose Your Fuel Pump

12-927	In-Line pump (TBI Units)
12-920	In-Line pump (Multi Port Units)

Notes:
12-927 flows 258 pph at 15psi.
12-920 flows 402 pph at 45psi.

26-160 -6 AN fittings (pair)
26-180 -8 AN fittings (pair)

More pumps available soon.

STEP 11 [optional]
Choose your Crank Trigger System

556-110	SBC Crank Trigger Kit
556-111	BBC Crank Trigger Kit

Notes:
556-110/111 - Include everything needed to install a 60-2 crank trigger wheel system on a Small or Big Block Chevy engine for use with an HP or Dominator ECU. Includes wheel, sensor, billet aluminum mounting components, and fully terminated wiring harness with crank and cam sensor connectors. Intended to provide a very accurate RPM signal to the ECU.

STEP 12 [optional]
Choose your DIS

556-100	4 Cyl DIS System
556-105	6 Cyl DIS System
556-101	8 Cyl DIS System
556-102	SB Crank Sensor mounting kit
556-103	BB Crank Sensor mounting kit
556-104	Coil
556-106	5" Crank trigger wheel
556-107	6" Crank trigger wheel
556-108	7 3/4" Crank trigger wheel
556-109	8 1/2" Crank trigger wheel (SBC/BBC)

Notes:
Choose all that apply to your customer
NOTE: The installation of Holley DIS on Small and Big Block Chevy engines requires the purchase of PN 556-101 and either the 556-102 or 556-103
556-100/101/105 - Comes with Coils, Crank/Cam sensor wiring, Coil wiring, and Crank Sensor. Must purchase trigger wheel and mounting kit components in addition.
556-102/103 - Complete trigger wheel and sensor mounting kit for SB/BB Chevy engines. Comes with 8-1/2 trigger wheel, and billet aluminum bracketry to mount crank sensor. Can be mounted on either side of block and is fully adjustable. Requires accessories to be moved 1/8" out. Includes 1/8" water pump pulley spacer.

NOTE: The installation of Holley DIS on non-Small/Big Block Chevy engines requires the purchase of PN 556-100/101/105 and a properly sized trigger wheel (PN's 556-106/107/108/109). The user will have to machine the trigger wheel mounting pattern as well as fabricate a rigid mount for the crank sensor itself.

Individual Trigger Wheels:
PN 556-109 - Bolt hole pattern machined for SB/BB Chevy Engines
PN 556-106/107/108 - Machined only with 1" diameter center hole. Must be machined to mount to specific application.

STEP 16 [optional]
Choose your Gauges / Displays

553-100	Gauge "Black"
553-101	Gauge "Chrome"
553-103	5.7" LCD Touch Screen
553-104	Avenger Handheld Controller

Notes:
Gauges can be individually configured to display any sensor that is parameter available in the ECU (RPM, voltage, oil pressure, etc).

553-104 Can be used with the HP and Dominator & allows basic tuning and monitoring functions. Can also be used as a replacement on the Avenger.

STEP 17 [optional]
Choose Your Accessories

558-407	Multi Map Selector
558-409	Sealed USB Cable

Notes:
558-407 - Four position key switch that allows the user to select from 4 stored calibrations without the need of a laptop computer. Dominator ECU only.

