

EFI HARNESS KIT 558-503, 558-504 & 558-508

Kit Contents:



Main Harness

558-104: Kits 558-504 & 508
558-100: Kit 558-503



Power Harness

558-308: All Kits



Injector Harness

558-200: Kits 558-503 & 504
558-209: Kit 558-508



HEI Adapter

558-304: Kit 558-503



Tach Adapter

271R1012A: All Kits

Important Wiring “Do’s and Don’ts”

An EFI system depends heavily on being supplied a clean and constant voltage source. The grounds of an electrical system are just as important as the power side.

Holley EFI ECU’s both contain multiple processing devices that require clean power and ground sources. The wiring harnesses for them must be installed in such a manner that they are separated from “dirty” power and ground sources.

DO’S

- **Install the main power and ground directly to the battery.**
- Keep sensor wiring away from high voltage or “noisy/dirty” components and wiring, especially secondary ignition wiring, ignition boxes and associated wiring.
- Use shielded/grounded cable that is supplied for wiring crankshaft and camshaft signals.
- Use quality connectors or solder and heat shrink any wire connections.
- It is critical that the engine has a proper ground connection to the battery and chassis.

DON'TS

- **DO NOT EVER** run high voltage or “noisy/dirty” wires in parallel (bundle/loom together) with any EFI sensor wiring. If wires need to cross, try to do so at an angle.
- Do not let Crank and Cam signal wiring near spark plugs and coil wires.
- Do not run non-shielded/grounded wire for crankshaft and camshaft signals, especially magnetic pickups.
- Do not run the USB Communications cable near or with any noisy wires.
- Do not exceed the current limits provided for the various outputs. If current levels exceed these, use the appropriate relay or solenoid drivers.
- Do not use improper crimping tools.
- Don’t use things like “t-taps”, etc. Use quality connectors or solder and heat shrink.
- It is never recommended to splice/share signal wires (such as TPS, etc) between different electronic control units.
- Don’t wire items that require “clean” ground or power to the same points.

Main Harness

The following quick guide overviews all connections on the “Main Harness”. The Main Harness supports all the primary engine sensors, fuel and ignition for 8 cylinder engines, the #1 wideband oxygen sensor, and the first four programmable input and output channels. There are two connectors for this harness designated as “J1A” (pin designations below that start with an A) and “J1B” (pin designations below that start with a B).

The following descriptions indicate the name of the item and the name as labeled on the harness is shown in parenthesis. The pinout for the ECU is then shown. If the wires are terminated into the same connector on every type of main harness, the connector pinout is given as well. If the connector may vary by application, such as a TPS or IAC, the connector pinout is not given. To see the connector pinout for a specific application, locate the wiring diagram themselves contained in the WIRING APPENDIX, located in the software.

Primary Sensors

Throttle Position Sensor (TPS)

Holley EFI systems work with any 0-5V throttle position sensors. The connector on this harness will plug directly into Holley PN 543-111.

A5 – TPS Signal
A18 – Sensor Ground
A26 – Sensor +5V Reference Out

Manifold Air Pressure Sensor (MAP)

Holley EFI systems work with 1 to 5 Bar MAP sensors. Make sure to select the proper sensor used in the handheld or software.

Note: Terminator X and X Max ECU's have an internal 1 bar MAP sensor. For naturally aspirated & nitrous engines, you can connect the 1Bar MAP sensor located on the ECU to an available intake manifold port by using the appropriately sized quick-turn adapter. Other MAP sensors can be used by plugging the MAP sensor connector into the sensor, or using an adapter harness.

A18 – Sensor Ground
A23 – MAP Sensor Signal
A26 – Sensor +5v Reference Out

Coolant Temperature Sensor (CTS)

Holley EFI systems work with any 2 wire thermistor style coolant temperature sensors. Make sure to select the proper sensor in the software.

A18 – Sensor Ground
A19 – Coolant Temp In

Manifold Air Temperature Sensor (MAT)

Holley EFI systems work with any 2 wire thermistor style manifold air temperature sensors. Make sure to select the proper sensor in the software.

A11 – Manifold Air Temp In
A18 – Sensor Ground

Knock Sensor (Knock)

Holley EFI systems work with either a one wire or two wire knock sensor. Application specific harnesses will have the correct knock sensor connections installed on the harness. A Universal harness comes with a 3 pin metripak connector. If a knock sensor is added, it should be connected into this connector

A21 – Knock Sensor #2 Input (**Pin A**)
A29 – Knock Sensor #1 Input (**Pin B**)
A18 – Sensor Ground (**Pin C**)

Wide Band Oxygen Sensor (WB02)

HP and Dominator EFI systems can work with either a Bosch (PN 554-101) or NTK (PN 554-100) wide band oxygen sensor. These sensors must be purchased from Holley as they are calibrated specifically for use with Holley EFI systems. Terminator X and X Max systems require a Bosch 4.9 (PN 554-155) wide band oxygen sensor and require the adapter harness included with the Terminator X be used.

A34 – WB1 HTR+ (Pin A)
A9 – WB1 HTR - (Pin B)
A16 – WB1 COMPR1 (Pin C)
A7 – WB1 CCOMPR2 (Pin D)
A17 – WB1 VS-/IP- (Pin E)
A33 – WB1 IP+ (Pin F)
A25 – WB1 VS+ (Pin G)
A8 – WB1 Shield (Pin H)

Fuel Pressure (Fuel)

A fuel pressure input is a standard feature on Holley EFI. A connector is installed that is plug-and-play with Holley 100 PSI pressure transducer PN 554-102. A different 0-5V transducer can be used, but the calibration must be set up as a custom sensor in the software. If these are not connected to a pressure transducer, the Fuel and Oil Pressure will read “LOW Err” in the data monitor. This will not cause any issues.

A18 – Sensor Ground (Pin A)
A26 – Sensor +5V Reference Out (Pin B)
A31 – Fuel Pressure Signal (Pin C)

Oil Pressure (Oil)

An oil pressure input is a standard feature on Holley EFI. A connector is installed that is plug-and-play with Holley 100 PSI pressure transducer PN 554-102. A different 0-5V transducer can be used, but the calibration must be set up as a custom sensor in the software. If these are not connected to a pressure transducer, the Fuel and Oil Pressure will read “LOW Err” in the data monitor. This will not cause any issues.

A18 – Sensor Ground (Pin A)
A26 – Sensor +5V Reference Out (Pin B)
A20 – Fuel Pressure Signal (Pin C)

CANbus (CAN)

All harnesses have a CANbus communications connector. This is used to communicate with CANbus devices, such as the Pro Dash or 3.5” Terminator X handheld. If these devices or any other CANbus device is not being used, there is no need to do anything with this connector.

A24 – CAN Lo (Pin B)
A32 – CAN Hi (Pin A)

Primary Outputs

Idle Air Control (IAC)

The terminated IAC connector is for a 4 wire stepper type IAC (Holley PN 543-105). A 2 wire PWM (Pulse Width Modulated) IAC can be used, see section 9.2. The following shows the outputs for a stepper IAC.

B1 – IAC A Lo
B2 – IAC A Hi
B8 – IAC B Lo
B9 – IAC B Hi

Fuel Injector Outputs (Injectors)

All terminated harnesses have a fuel injector connector. Various fuel injector harnesses plug into this connector. It is essential these harnesses are used so that injector firing sequence is maintained.

Note that for engines with different firing orders, you do NOT change these pins. The engine's firing order is input in the software itself. Pin's A-H are routed to the cylinder number designation for the engine (i.e. A goes to cylinder #1, B goes to cylinder #2, etc). V8 harnesses offered by Holley are labeled for GM, Ford, and Chrysler engines.

B19 – Injector A (**Pin A**)
B26 – Injector B (**Pin B**)
B25 – Injector C (**Pin C**)
B13 – Injector D (**Pin D**)
B7 – Injector E (**Pin E**)
B4 – Injector F (**Pin F**)
B5 – Injector G (**Pin G**)
B6 – Injector H (**Pin H**)
+12V Power – (**Pins J/K**)

Ignition Adapter (Ignition)

The Ignition Adapter connector contains all the wires needed to connect to adapter harnesses offered by Holley for various ignition systems and crank and cam sensor. The only ignition related wiring that is NOT contained on this connector is individual coil driver outputs for DIS applications.

The adapter is pinned as follows:

A30 – Crank signal Input – Both digital and inductive (proper type must be selected in the software) (**Pin A**)
A22 – Cam signal Input / Ignition Bypass Output– Both digital and inductive (proper type must be selected in the software) **NOTE:** If using a computer-controlled GM HEI Distributor, this pin will serve as the ignition bypass output (**Pin B**)
A14 – IPU Ground (**Pin C**)
Chassis Ground – (**Pin D**)
A10 – Switched +12v (**Pin E**)
A27 – NOT USED (**Pin F**)
A14 – IPU Ground (**Pin G**)
A28 – EST/Spout Output (**Pin H**)
A14 – Shield Ground (**Pin J**)
A14 - Shield Ground (**Pin K**)

NOTE: The crank and cam input wiring in both the main harness and adapter harnesses use a shielded/grounded cable. The shield is grounded at the ECU end. You do not ground both end of shielded/grounded cable. It is always recommended to use shield/grounded cable to protect the integrity of the crank or cam sensor input signals. This is especially important when using a magnetic pickup. A hall effect sensor is much less susceptible to noise interference and is always the recommended sensor type to use.

Holley offers the following ignition adapter harnesses:

271R1012A – “Tach Out” – This adapter connects into the “Tach Out” on a CD ignition box when the ECU is NOT controlling ignition timing. This adapter is included with all HP and Avenger TBI and Multiport Fuel Injection systems.

558-303 – Magnetic Pickup Harness – Intended for magnetic pickups. Either crank trigger or distributor mounted - Does not contain cam sync wiring.

558-304 – HEI – Connects to a small cap GM HEI computer controlled distributor

558-305 – Ford TFI – Connects to a Ford TFI distributor.

558-306 – Universal Unterminated Ignition Harness – Contains ignition adapter connector and all wiring to connect to any crank and cam sensors (pins A-K). Also, contains shielded/grounded cable for crank and cam sensor inputs. The user must supply terminals and connectors to plug into their chosen sensors.

558-323 – HyperSpark Distributor – Connects to a Holley Sniper EFI HyperSpark distributor.

558-324 – MSD Pro Billet Distributor – Connects to an MSD Pro Billet Distributor (Green and Purple 2-Wire Connection)

Loose Wires

The following loose wires in the main wiring harness should be connected as follows on all systems:

12V Switched – Color = Red/White – Should be connected to a clean +12 volt power source. Power source should only be active when the ignition is on. Make sure source has power when engine is cranking as well. Not all sources apply power when the ignition switch is in “cranking” position.

12V Battery – Color = Red – Should be connected directly to the battery. There is a fuse holder attached that should contain a 20A rated fuse. This powers the fuel pump and fuel injectors.

12V Fuel Pump – Color = Green - Used to directly power a fuel pump (+12 volt). Fully terminated harnesses utilize a relay to supply this power. 14 gauge wire is used. Due to this, it is not recommended for pumps that draw over 10-12 Amps to use this wire. For high current pumps, use this wire to trigger a separate relay and use larger gauge wire to feed the pump - 10 gauge is recommended.

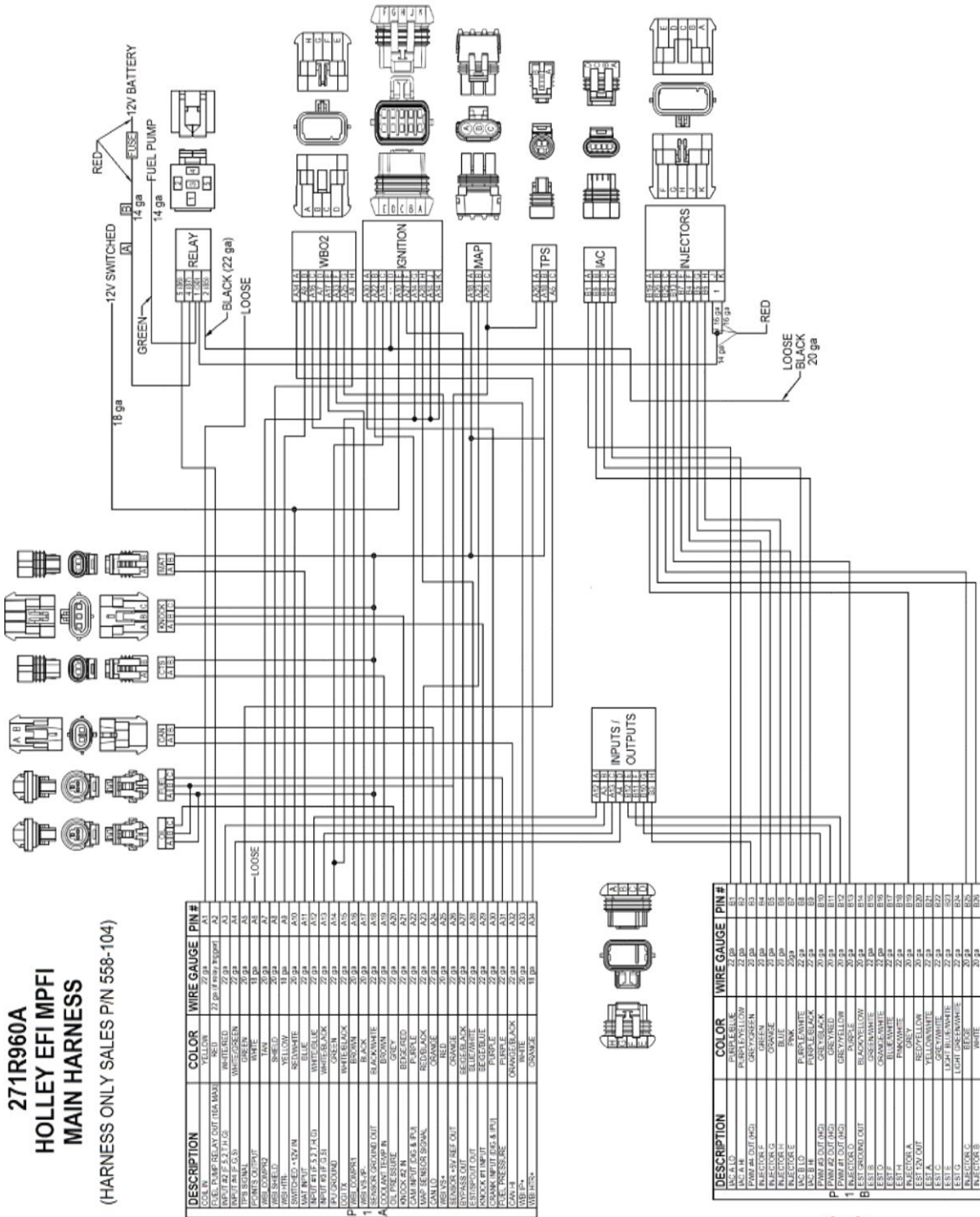
Points Output – Color = White – Used to trigger a CD ignition box. See the ignition wiring section for detailed wiring.

Ignition/DIS Chassis Ground – Color = Black – Connect to a ground point that has excellent connectivity with both the engine and the battery.

“Coil – ” – Color = Yellow – Used for an RPM input signal when not controlling timing and NOT running a Capacitive Discharge (MSD) ignition system. **WARNING!** Connecting this wire to the coil of a CD ignition will damage the ECU.

271R960A HOLLEY EFI MPFI MAIN HARNESS

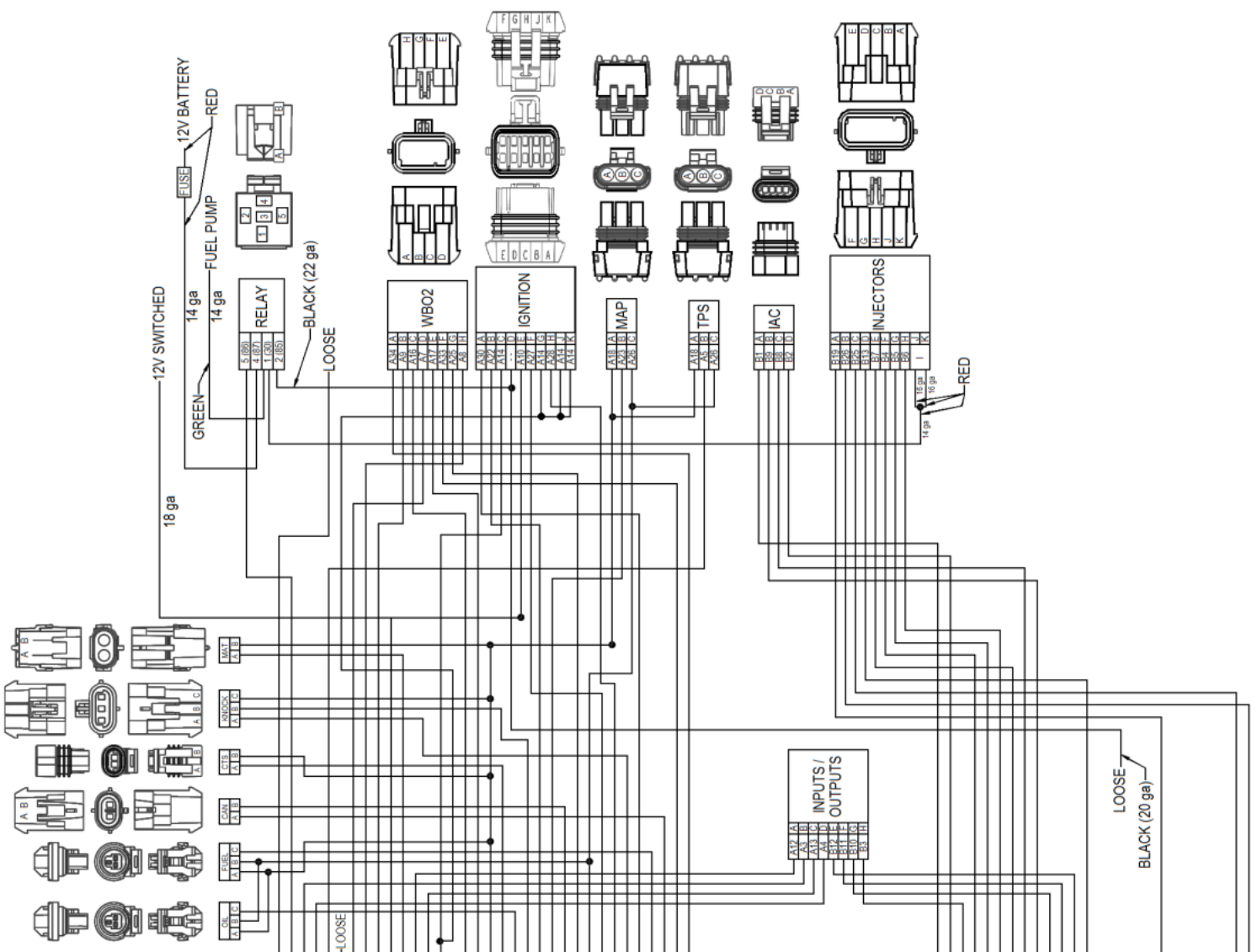
(HARNESS ONLY SALES PIN 558-104)



DESCRIPTION	COLOR	WIRE GAUGE	PIN #
12V FUEL PUMP RELAY OUT (10A MAX)	RED	22 ga (18 AWG) 1000 FT	A1
12V SWITCHED	GREEN	18 ga	A2
12V BATTERY	RED	14 ga	A3
RELAY	BLACK (22 ga)	22 ga	A4
WBO2	WHITE	22 ga	A5
IGNITION	WHITE	22 ga	A6
MAP	BLUE	22 ga	A7
TPS	YELLOW	22 ga	A8
IAC	BLACK	22 ga	A9
INJECTORS	VARIOUS	20 ga	A10-A16
INJECTOR A	PURPLE	20 ga	A10
INJECTOR B	GREEN	20 ga	A11
INJECTOR C	ORANGE	20 ga	A12
INJECTOR D	BLUE	20 ga	A13
INJECTOR E	RED	20 ga	A14
INJECTOR F	PURPLE	20 ga	A15
INJECTOR G	ORANGE	20 ga	A16
INJECTOR H	GREEN	20 ga	A17
INJECTOR I	BLUE	20 ga	A18
INJECTOR J	RED	20 ga	A19
INJECTOR K	PURPLE	20 ga	A20
INJECTOR L	ORANGE	20 ga	A21
INJECTOR M	GREEN	20 ga	A22
INJECTOR N	BLUE	20 ga	A23
INJECTOR O	RED	20 ga	A24
INJECTOR P	PURPLE	20 ga	A25
INJECTOR Q	ORANGE	20 ga	A26
INJECTOR R	GREEN	20 ga	A27
INJECTOR S	BLUE	20 ga	A28
INJECTOR T	RED	20 ga	A29
INJECTOR U	PURPLE	20 ga	A30
INJECTOR V	ORANGE	20 ga	A31
INJECTOR W	GREEN	20 ga	A32
INJECTOR X	BLUE	20 ga	A33
INJECTOR Y	RED	20 ga	A34
INJECTOR Z	PURPLE	20 ga	A35
INJECTOR AA	ORANGE	20 ga	A36
INJECTOR AB	GREEN	20 ga	A37
INJECTOR AC	BLUE	20 ga	A38
INJECTOR AD	RED	20 ga	A39
INJECTOR AE	PURPLE	20 ga	A40
INJECTOR AF	ORANGE	20 ga	A41
INJECTOR AG	GREEN	20 ga	A42
INJECTOR AH	BLUE	20 ga	A43
INJECTOR AI	RED	20 ga	A44
INJECTOR AJ	PURPLE	20 ga	A45
INJECTOR AK	ORANGE	20 ga	A46
INJECTOR AL	GREEN	20 ga	A47
INJECTOR AM	BLUE	20 ga	A48
INJECTOR AN	RED	20 ga	A49
INJECTOR AO	PURPLE	20 ga	A50
INJECTOR AP	ORANGE	20 ga	A51
INJECTOR AQ	GREEN	20 ga	A52
INJECTOR AR	BLUE	20 ga	A53
INJECTOR AS	RED	20 ga	A54
INJECTOR AT	PURPLE	20 ga	A55
INJECTOR AU	ORANGE	20 ga	A56
INJECTOR AV	GREEN	20 ga	A57
INJECTOR AW	BLUE	20 ga	A58
INJECTOR AX	RED	20 ga	A59
INJECTOR AY	PURPLE	20 ga	A60
INJECTOR AZ	ORANGE	20 ga	A61
INJECTOR BA	GREEN	20 ga	A62
INJECTOR BB	BLUE	20 ga	A63
INJECTOR BC	RED	20 ga	A64
INJECTOR BD	PURPLE	20 ga	A65
INJECTOR BE	ORANGE	20 ga	A66
INJECTOR BF	GREEN	20 ga	A67
INJECTOR BG	BLUE	20 ga	A68
INJECTOR BH	RED	20 ga	A69
INJECTOR BI	PURPLE	20 ga	A70
INJECTOR BJ	ORANGE	20 ga	A71
INJECTOR BK	GREEN	20 ga	A72
INJECTOR BL	BLUE	20 ga	A73
INJECTOR BM	RED	20 ga	A74
INJECTOR BN	PURPLE	20 ga	A75
INJECTOR BO	ORANGE	20 ga	A76
INJECTOR BP	GREEN	20 ga	A77
INJECTOR BQ	BLUE	20 ga	A78
INJECTOR BR	RED	20 ga	A79
INJECTOR BS	PURPLE	20 ga	A80
INJECTOR BT	ORANGE	20 ga	A81
INJECTOR BU	GREEN	20 ga	A82
INJECTOR BV	BLUE	20 ga	A83
INJECTOR BW	RED	20 ga	A84
INJECTOR BX	PURPLE	20 ga	A85
INJECTOR BY	ORANGE	20 ga	A86
INJECTOR BZ	GREEN	20 ga	A87
INJECTOR CA	BLUE	20 ga	A88
INJECTOR CB	RED	20 ga	A89
INJECTOR CC	PURPLE	20 ga	A90
INJECTOR CD	ORANGE	20 ga	A91
INJECTOR CE	GREEN	20 ga	A92
INJECTOR CF	BLUE	20 ga	A93
INJECTOR CG	RED	20 ga	A94
INJECTOR CH	PURPLE	20 ga	A95
INJECTOR CI	ORANGE	20 ga	A96
INJECTOR CJ	GREEN	20 ga	A97
INJECTOR CK	BLUE	20 ga	A98
INJECTOR CL	RED	20 ga	A99
INJECTOR CM	PURPLE	20 ga	A100
INJECTOR CN	ORANGE	20 ga	A101
INJECTOR CO	GREEN	20 ga	A102
INJECTOR CP	BLUE	20 ga	A103
INJECTOR CQ	RED	20 ga	A104
INJECTOR CR	PURPLE	20 ga	A105
INJECTOR CS	ORANGE	20 ga	A106
INJECTOR CT	GREEN	20 ga	A107
INJECTOR CU	BLUE	20 ga	A108
INJECTOR CV	RED	20 ga	A109
INJECTOR CW	PURPLE	20 ga	A110
INJECTOR CX	ORANGE	20 ga	A111
INJECTOR CY	GREEN	20 ga	A112
INJECTOR CZ	BLUE	20 ga	A113
INJECTOR DA	RED	20 ga	A114
INJECTOR DB	PURPLE	20 ga	A115
INJECTOR DC	ORANGE	20 ga	A116
INJECTOR DD	GREEN	20 ga	A117
INJECTOR DE	BLUE	20 ga	A118
INJECTOR DF	RED	20 ga	A119
INJECTOR DG	PURPLE	20 ga	A120
INJECTOR DH	ORANGE	20 ga	A121
INJECTOR DI	GREEN	20 ga	A122
INJECTOR DJ	BLUE	20 ga	A123
INJECTOR DK	RED	20 ga	A124
INJECTOR DL	PURPLE	20 ga	A125
INJECTOR DM	ORANGE	20 ga	A126
INJECTOR DN	GREEN	20 ga	A127
INJECTOR DO	BLUE	20 ga	A128
INJECTOR DP	RED	20 ga	A129
INJECTOR DQ	PURPLE	20 ga	A130
INJECTOR DR	ORANGE	20 ga	A131
INJECTOR DS	GREEN	20 ga	A132
INJECTOR DT	BLUE	20 ga	A133
INJECTOR DU	RED	20 ga	A134
INJECTOR DV	PURPLE	20 ga	A135
INJECTOR DW	ORANGE	20 ga	A136
INJECTOR DX	GREEN	20 ga	A137
INJECTOR DY	BLUE	20 ga	A138
INJECTOR DZ	RED	20 ga	A139
INJECTOR EA	PURPLE	20 ga	A140
INJECTOR EB	ORANGE	20 ga	A141
INJECTOR EC	GREEN	20 ga	A142
INJECTOR ED	BLUE	20 ga	A143
INJECTOR EE	RED	20 ga	A144
INJECTOR EF	PURPLE	20 ga	A145
INJECTOR EG	ORANGE	20 ga	A146
INJECTOR EH	GREEN	20 ga	A147
INJECTOR EI	BLUE	20 ga	A148
INJECTOR EJ	RED	20 ga	A149
INJECTOR EK	PURPLE	20 ga	A150
INJECTOR EL	ORANGE	20 ga	A151
INJECTOR EM	GREEN	20 ga	A152
INJECTOR EN	BLUE	20 ga	A153
INJECTOR EO	RED	20 ga	A154
INJECTOR EP	PURPLE	20 ga	A155
INJECTOR EQ	ORANGE	20 ga	A156
INJECTOR ER	GREEN	20 ga	A157
INJECTOR ES	BLUE	20 ga	A158
INJECTOR ET	RED	20 ga	A159
INJECTOR EU	PURPLE	20 ga	A160
INJECTOR EV	ORANGE	20 ga	A161
INJECTOR EW	GREEN	20 ga	A162
INJECTOR EX	BLUE	20 ga	A163
INJECTOR EY	RED	20 ga	A164
INJECTOR EZ	PURPLE	20 ga	A165
INJECTOR FA	ORANGE	20 ga	A166
INJECTOR FB	GREEN	20 ga	A167
INJECTOR FC	BLUE	20 ga	A168
INJECTOR FD	RED	20 ga	A169
INJECTOR FE	PURPLE	20 ga	A170
INJECTOR FF	ORANGE	20 ga	A171
INJECTOR FG	GREEN	20 ga	A172
INJECTOR FH	BLUE	20 ga	A173
INJECTOR FI	RED	20 ga	A174
INJECTOR FJ	PURPLE	20 ga	A175
INJECTOR FK	ORANGE	20 ga	A176
INJECTOR FL	GREEN	20 ga	A177
INJECTOR FM	BLUE	20 ga	A178
INJECTOR FN	RED	20 ga	A179
INJECTOR FO	PURPLE	20 ga	A180
INJECTOR FP	ORANGE	20 ga	A181
INJECTOR FQ	GREEN	20 ga	A182
INJECTOR FR	BLUE	20 ga	A183
INJECTOR FS	RED	20 ga	A184
INJECTOR FT	PURPLE	20 ga	A185
INJECTOR FU	ORANGE	20 ga	A186
INJECTOR FV	GREEN	20 ga	A187
INJECTOR FW	BLUE	20 ga	A188
INJECTOR FX	RED	20 ga	A189
INJECTOR FY	PURPLE	20 ga	A190
INJECTOR FZ	ORANGE	20 ga	A191
INJECTOR GA	GREEN	20 ga	A192
INJECTOR GB	BLUE	20 ga	A193
INJECTOR GC	RED	20 ga	A194
INJECTOR GD	PURPLE	20 ga	A195
INJECTOR GE	ORANGE	20 ga	A196
INJECTOR GF	GREEN	20 ga	A197
INJECTOR GH	BLUE	20 ga	A198
INJECTOR GI	RED	20 ga	A199
INJECTOR GJ	PURPLE	20 ga	A200
INJECTOR GK	ORANGE	20 ga	A201
INJECTOR GL	GREEN	20 ga	A202
INJECTOR GM	BLUE	20 ga	A203
INJECTOR GN	RED	20 ga	A204
INJECTOR GO	PURPLE	20 ga	A205
INJECTOR GP	ORANGE	20 ga	A206
INJECTOR GQ	GREEN	20 ga	A207
INJECTOR GR	BLUE	20 ga	A208
INJECTOR GS	RED	20 ga	A209
INJECTOR GT	PURPLE	20 ga	A210
INJECTOR GU	ORANGE	20 ga	A211
INJECTOR GV	GREEN	20 ga	A212
INJECTOR GW	BLUE	20 ga	A213
INJECTOR GX	RED	20 ga	A214
INJECTOR GY	PURPLE	20 ga	A215
INJECTOR GZ	ORANGE	20 ga	A216
INJECTOR HA	GREEN	20 ga	A217
INJECTOR HB	BLUE	20 ga	A218
INJECTOR HC	RED	20 ga	A219
INJECTOR HD	PURPLE	20 ga	A220
INJECTOR HE	ORANGE	20 ga	A221
INJECTOR HF	GREEN	20 ga	A222
INJECTOR HG	BLUE	20 ga	A223
INJECTOR HH	RED	20 ga	A224
INJECTOR HI	PURPLE	20 ga	A225
INJECTOR HJ	ORANGE	20 ga	A226
INJECTOR HK	GREEN	20 ga	A227
INJECTOR HL	BLUE	20 ga	A228
INJECTOR HM	RED	20 ga	A229
INJECTOR HN	PURPLE	20 ga	A230
INJECTOR HO	ORANGE	20 ga	A231
INJECTOR HP	GREEN	20 ga	A232
INJECTOR HQ	BLUE	20 ga	A233
INJECTOR HR	RED	20 ga	A234
INJECTOR HS	PURPLE	20 ga	A235
INJECTOR HT	ORANGE	20 ga	A236
INJECTOR HU	GREEN	20 ga	A237
INJECTOR HV	BLUE	20 ga	A238
INJECTOR HW	RED	20 ga	A239
INJECTOR HX	PURPLE	20 ga	A240
INJECTOR HY	ORANGE	20 ga	A241
INJECTOR HZ	GREEN	20 ga	A242
INJECTOR IA	BLUE	20 ga	A243
INJECTOR IB	RED	20 ga	A244
INJECTOR IC	PURPLE	20 ga	A245
INJECTOR ID	ORANGE	20 ga	A246
INJECTOR IE	GREEN	20 ga	A247
INJECTOR IF	BLUE	20 ga	A248
INJECTOR IG	RED	20 ga	A249
INJECTOR IH	PURPLE	20 ga	A250
INJECTOR II	ORANGE	20 ga	A251
INJECTOR IJ	GREEN	20 ga	A252
INJECTOR IK	BLUE	20 ga	A253
INJECTOR IL	RED	20 ga	A254
INJECTOR IM	PURPLE	20 ga	A255
INJECTOR IN	ORANGE	20 ga	A256
INJECTOR IO	GREEN	20 ga	A257
INJECTOR IP	BLUE	20 ga	A258
INJECTOR IQ	RED	20 ga	A259
INJECTOR IR	PURPLE	20 ga	A260
INJECTOR IS	ORANGE	20 ga	A261
INJECTOR IT	GREEN	20 ga	A262
INJECTOR IU	BLUE	20 ga	A263
INJECTOR IV	RED	20 ga	A264
INJECTOR IW	PURPLE	20 ga	A265
INJECTOR IX	ORANGE	20 ga	A266
INJECTOR IY	GREEN	20 ga	A267
INJECTOR IZ	BLUE	20 ga	A268
INJECTOR JA	RED	20 ga	A269
INJECTOR JB	PURPLE	20 ga	A270
INJECTOR JC	ORANGE	20 ga	A271
INJECTOR JD	GREEN	20 ga	A272
INJECTOR JE	BLUE	20 ga	A273
INJECTOR JF	RED	20 ga	A274
INJECTOR JG	PURPLE	20 ga	A275
INJECTOR JH	ORANGE	20 ga	A276
INJECTOR JI	GREEN	20 ga	A277
INJECTOR JJ	BLUE	20 ga	A278
INJECTOR JK	RED	20 ga	A279
INJECTOR JL	PURPLE	20 ga	A280
INJECTOR JM	ORANGE	20 ga	A281
INJECTOR JN	GREEN	20 ga	A282
INJECTOR JO	BLUE	20 ga	A283
INJECTOR JP	RED	20 ga	A284
INJECTOR JQ	PURPLE	20 ga	A285
INJECTOR JR	ORANGE	20 ga	A286
INJECTOR JS	GREEN	20 ga	A287
INJECTOR JT	BLUE	20 ga	A288
INJECTOR JU	RED	20 ga	A289
INJECTOR JV	PURPLE	20 ga	A290
INJECTOR JV	ORANGE	20 ga	A291
INJECTOR JW	GREEN	20 ga	A292
INJECTOR JX	BLUE	20 ga	A293
INJECTOR JY	RED	20 ga	A294
INJECTOR JZ	PURPLE	20 ga	A295
INJECTOR KA	ORANGE	20 ga	A296
INJECTOR KB	GREEN	20 ga	A297
INJECTOR KC	BLUE	20 ga	A298
INJECTOR KD	RED	20 ga	A299
INJECTOR KE	PURPLE	20 ga	A300
INJECTOR KF	ORANGE	20 ga	A301
INJECTOR KG	GREEN	20 ga	A302
INJECTOR KH	BLUE	20 ga	A303
INJECTOR KI	RED	20 ga	A304
INJECTOR KJ	PURPLE	20 ga	A305
INJECTOR KK	ORANGE	20 ga	A306
INJECTOR KL	GREEN	20 ga	A307
INJECTOR KM	BLUE	20 ga	A308
INJECTOR KN	RED	20 ga	A309
INJECTOR KO	PURPLE	20 ga	A310
INJECTOR KP	ORANGE	20 ga	A311
INJECTOR KQ	GREEN	20 ga	A312
INJECTOR KR	BLUE	20 ga	A313
INJECTOR KS	RED	20 ga	A314
INJECTOR KT	PURPLE	20 ga	A315
INJECTOR KU	ORANGE	20 ga	A316
INJECTOR KV	GREEN	20 ga	A317
INJECTOR KW	BLUE	20 ga	A318
INJECTOR KX	RED	20 ga	A319
INJECTOR KY	PURPLE	20 ga	A320
INJECTOR KZ	ORANGE	20 ga	A321
INJECTOR LA	GREEN	20 ga	A322
INJECTOR LB	BLUE	20 ga	A323
INJECTOR LC	RED	20 ga	A324
INJECTOR LD	PURPLE	20 ga	A325
INJECTOR LE	ORANGE	20 ga	A326
INJECTOR LF	GREEN	20 ga	A327
INJECTOR LG	BLUE	20 ga	A328
INJECTOR LH	RED	20 ga	A329
INJECTOR LI	PURPLE	20 ga	

2711R961A HOLLEY EFI 4BBL TBI HARNESS

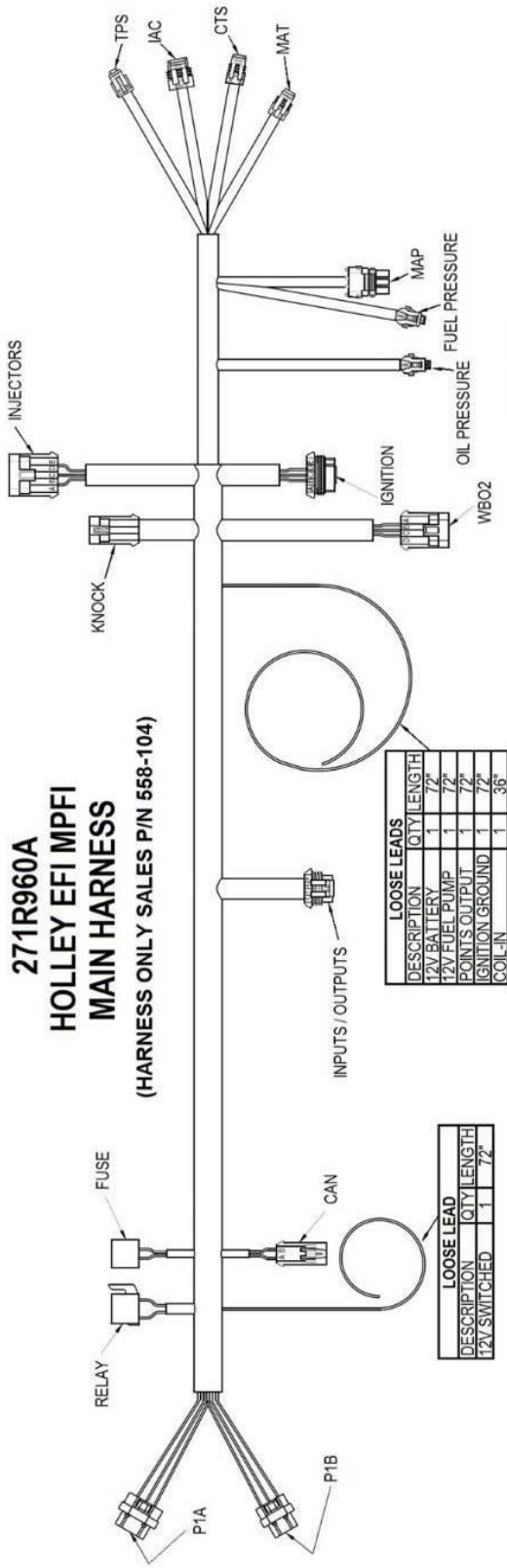
(HARNESS ONLY SALES P/N 558-100)



DESCRIPTION	COLOR	WIRE GAUGE	PIN #
COIL - IN	YELLOW	22 ga	A1
FUEL PUMP RELAY OUT (10A MAX)	RED	22 ga (if relay trigger)	A2
INP #1 (F, 5.2 T, H, G)	WHITE/RED	22 ga	A3
INP #2 (F, 5.2 T, H, G)	WHITE/GREEN	22 ga	A4
TPS SIGNAL	GREEN	20 ga	A5
POINTS OUTPUT	WHITE	18 ga	A6
WBI CAMERA2	TAN	20 ga	A7
WBI SHIELD	YELLOW	20 ga	A8
WBI HTR	YELLOW	18 ga	A9
SWITCHED +12V IN	RED/WHITE	20 ga	A10
MAP INP-IT	BLUE	22 ga	A11
INP #1 (F, 5.2 T, H, G)	WHITE/BLUE	22 ga	A12
INP #3 (F, 5.2 T, H, G)	WHITE/BLACK	22 ga	A13
PTU GROUND	GREEN	22 ga	A14
IGN TX	WHITE/BLACK	22 ga	A15
WBI CAMERA1	BROWN	20 ga	A16
WBI SHIELD	BROWN	20 ga	A17
SENSOR GROUND OUT	BLACK/WHITE	22 ga	A18
COOLANT TEMP IN	BROWN	22 ga	A19
OIL PRESSURE	GREY	22 ga	A20
KNOCK #2 IN	BEIGE/RED	22 ga	A21
CAM INP-IT (IG & IP-U)	PURPLE	22 ga	A22
MAP SENSOR SIGNAL	RED/BLACK	22 ga	A23
CAN LO	ORANGE	22 ga	A24
WBI VS+	RED	20 ga	A25
SENSOR +5V REF OUT	ORANGE	22 ga	A26
BYPASS OUT	BEIGE/BLACK	22 ga	A27
EST-SPUT OUT	BLUE/WHITE	22 ga	A28
CLOCK #1 INP-IT (IG & IP-U)	BEIGE/BLUE	22 ga	A29
CLOCK #2 INP-IT (IG & IP-U)	PURPLE	22 ga	A30
FUEL PRESSURE	PURPLE	22 ga	A31
CAN #1	ORANGE/BLACK	22 ga	A32
WBI IP+	WHITE	20 ga	A33
WBI IP+	ORANGE	18 ga	A34

DESCRIPTION	COLOR	WIRE GAUGE	PIN #
IAC A LO	PURPLE/BLUE	22 ga	B1
PURPLE FLOW	PURPLE/BLACK	22 ga	B2
INJECTOR F	GREY/GREEN	20 ga	B3
INJECTOR G	GREEN	20 ga	B4
INJECTOR H	ORANGE	20 ga	B5
INJECTOR I	BLUE	20 ga	B6
INJECTOR J	PINK	20 ga	B7
IAC B LO	PURPLE/WHITE	22 ga	B8
IAC B HI	PURPLE/BLACK	22 ga	B9
PWM #3 OUT (HG)	GREY/BLACK	20 ga	B10
PWM #2 OUT (HG)	GREY/RED	20 ga	B11
PWM #1 OUT (HG)	GREY/YELLOW	20 ga	B12
INJECTOR D	PURPLE	20 ga	B13
EST GROUND OUT	BLACK/YELLOW	20 ga	B14
EST B	BLACK/WHITE	22 ga	B15
EST F	ORANGE/WHITE	22 ga	B16
EST H	PINK/WHITE	22 ga	B17
EST I	PINK/WHITE	22 ga	B18
INJECTOR A	GREY	20 ga	B19
EST 12V OUT	RED/YELLOW	20 ga	B20
EST A	YELLOW/WHITE	22 ga	B21
EST C	GREY/WHITE	22 ga	B22
EST E	LT. BLUE/WHITE	22 ga	B23
EST G	LT. GREEN/WHITE	22 ga	B24
INJECTOR C	BEIGE	20 ga	B25
INJECTOR B	WHITE	20 ga	B26

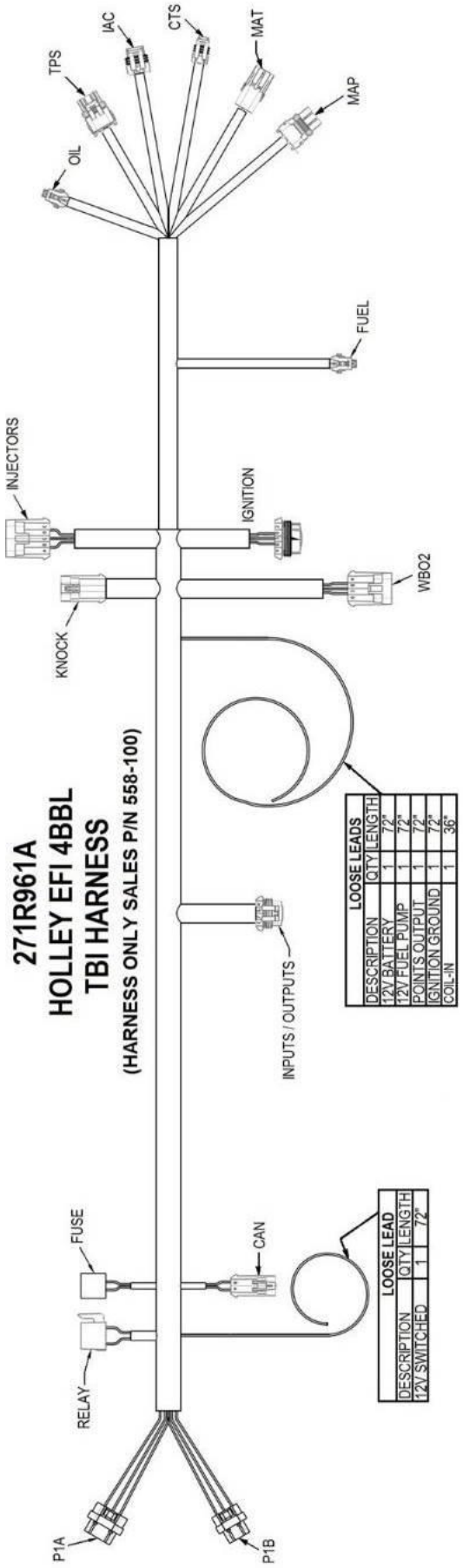
271R960A
HOLLEY EFI MPFI
MAIN HARNESS
 (HARNESS ONLY SALES P/N 558-104)



DESCRIPTION	QTY	LENGTH
12V BATTERY	1	72"
12V FUEL PUMP	1	72"
POINTS OUTPUT	1	72"
IGNITION GROUND	1	72"
COIL-IN	1	36"

DESCRIPTION	QTY	LENGTH
12V SWITCHED	1	72"

271R961A
HOLLEY EFI 4BBL
TBI HARNESS
 (HARNESS ONLY SALES P/N 558-100)



DESCRIPTION	QTY	LENGTH
12V BATTERY	1	72"
12V FUEL PUMP	1	72"
POINTS OUTPUT	1	72"
IGNITION GROUND	1	72"
COIL-IN	1	36"

DESCRIPTION	QTY	LENGTH
12V SWITCHED	1	72"

ECU Pinout

The following is a pinout of the J1A and J1B connectors for HP, Dominator, Terminator X, and Terminator X Max ECU's:

J1A Connector

Pin	Function
A1	Coil - Input
A2	Fuel Pump Out (+12v) (10A Max)
A3	Input #2 (F52THG)
A4	Input #4 (F5G)
A5	TPS Input
A6	Points Trigger Output
A7	WB1 COMPR2
A8	WB1 Shield
A9	WB HTR -
A10	Switched +12v Input
A11	Manifold Air Temp Input
A12	Input #1 (F52THG)
A13	Input #3 (F5G)
A14	Cam/Crank Ground
A15	Gauge Digital Output
A16	WB1 COMPR1
A17	WB1 VS-/IP+
A18	Sensor Ground
A19	Engine Coolant Temp Input
A20	Oil Pressure Input
A21	Knock #2 Input
A22	Cam Sync Input / Ignition Bypass Output
A23	Map Sensor Input
A24	CAN Lo
A25	WB1 VS+
A26	Sensor +5v
A27	NOT USED
A28	EST/Spout Output
A29	Knock #1 Input
A30	Crank Speed Input
A31	Fuel Pressure Input
A32	CAN Hi
A33	WB1 IP+
A34	WB HTR +

J1B Connector

Pin	Function
B1	IAC A Lo
B2	IAC A Hi
B3	Output #4 (G P-)
B4	Injector F Output
B5	Injector G Output
B6	Injector H Output
B7	Injector E Output
B8	IAC B Lo
B9	IAC B Hi
B10	Output #3 (G P-)
B11	Output #2 (H P+) for HP and Dominator, (G P-) for Terminator X and X Max
B12	Output #1 (H P+) for HP and Dominator, (G P-) for Terminator X and X Max
B13	Injector D Output
B14	EST Ground Output
B15	EST 2 Output (Cylinder #2)
B16	EST 4 Output (Cylinder #4)
B17	EST 6 Output (Cylinder #6)
B18	EST 8 Output (Cylinder #8)
B19	Injector A Output
B20	EST 12V Output
B21	EST 1 Output (Cylinder #1)
B22	EST 3 Output (Cylinder #3)
B23	EST 5 Output (Cylinder #5)
B24	EST 7 Output (Cylinder #7)
B25	Injector C Output
B26	Injector B Output

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1-866-464-6553

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