

Electrical Schematics

For GO-4 Interceptor III 2005-2007 models

Revision Date: October 24, 2007

1. Introduction

This document contains wiring schematic information for the GO-4 Interceptor III 2005 to 2007 models inclusive.

2. Harnesses

Throughout these drawings, square brackets are often used to signify which harness the wire or connector is a part of. The harnesses, symbols, and part numbers are summarized below.

Table 1 - Description of harness symbols used throughout

Symbol Used	Name	Location	Westward Part Number
[C]	Control Harness	Engine Bay	1-67-001
	Injector Harness	Engine Bay	1-67-002
[E]	Engine Harness	Front and Under Dash	1-67-003
[M]	Main Harness	Under Dash and Roof	1-67-004
[ACF]	A/C Condenser Fans	Front	1-67-005
[R]	Rear Lighting	Rear	1-67-006
[B]	Battery Wiring	From battery to load	

3. Connectors

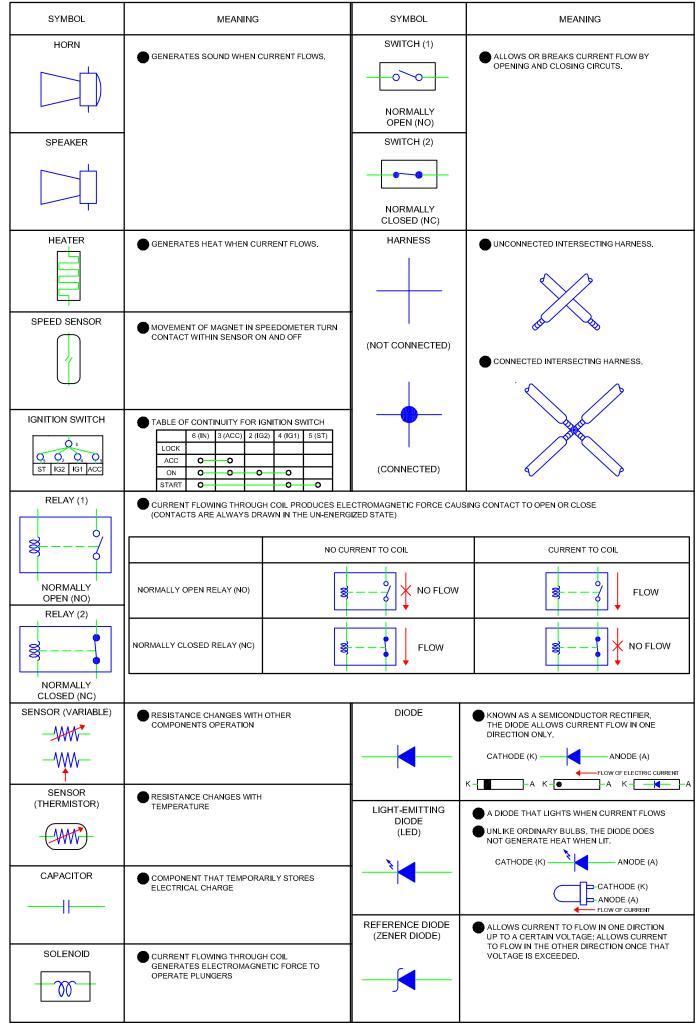
Connectors are shown in the diagrams as viewed from the mating side, as though looking into the pins. Connectors related to the system are listed on the page where they appear. Several common connectors are used for interconnections between harnesses, and are listed in drawings starting with "X".

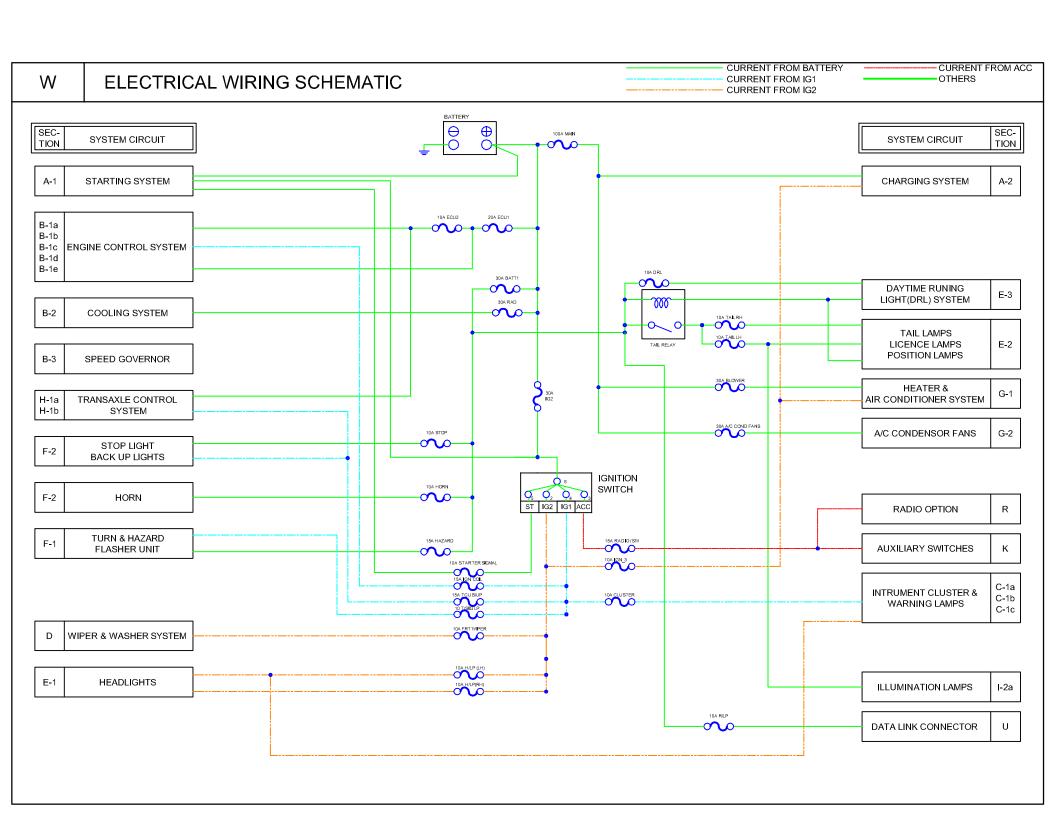
4. Wiring Colors

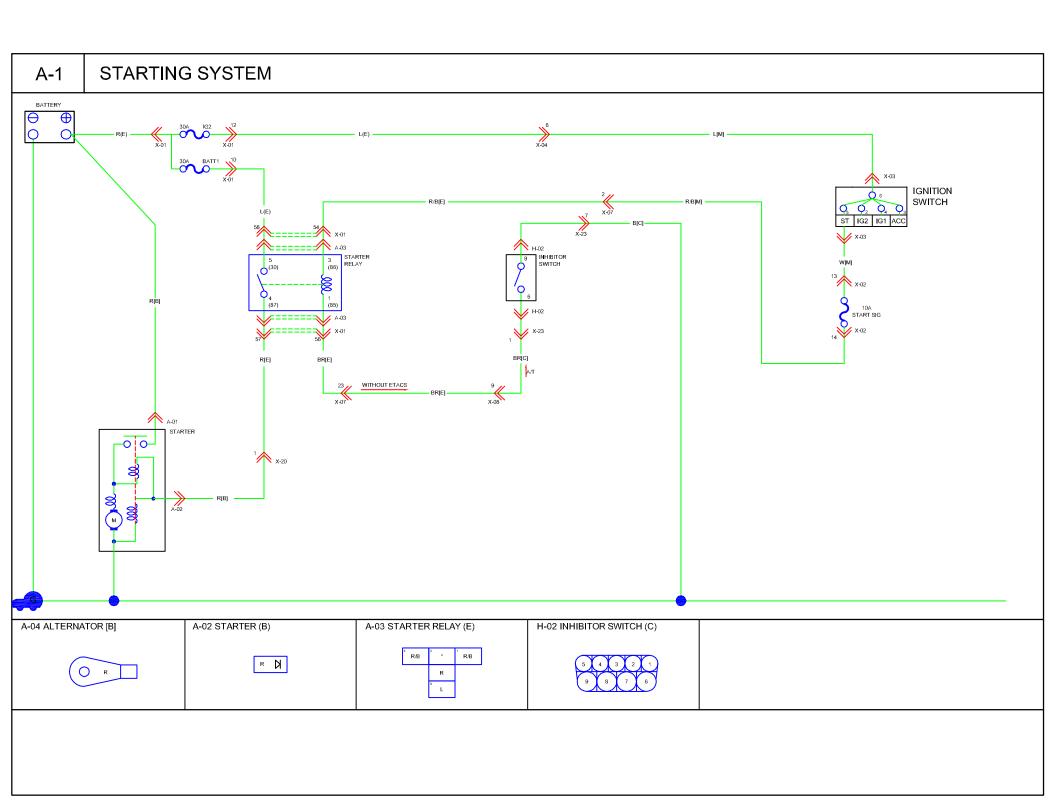
Wire insulation color is shown using a one or two letter naming convention. If the wire is striped, the bulk color appears first, and the stripe color second, separated by a slash (/). The letter-color relationship is summarized below.

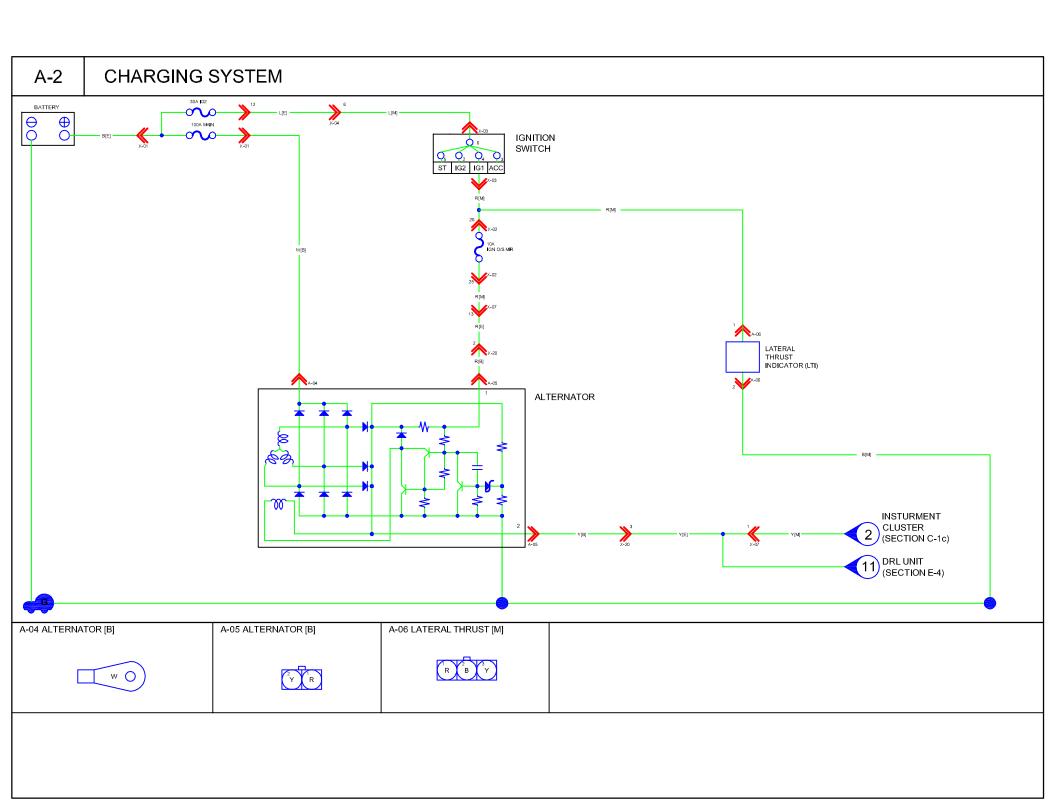
Table 2 - Naming convention for wire insulation colors

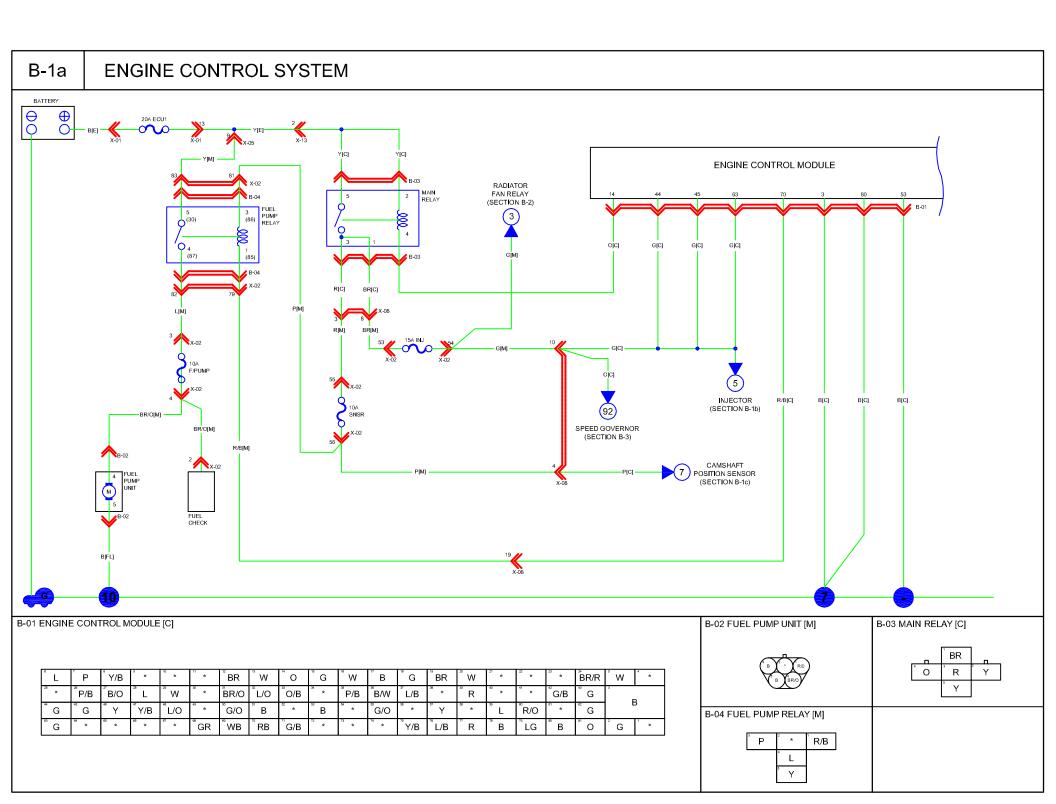
Color	Symbol	Color	Symbol
Red	R	Yellow	Y
Green	G	Orange	O
Blue	L	Grey	GR
Black	В	Tan	T
Brown	BN	Pink	P
White	W		





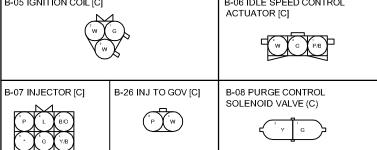






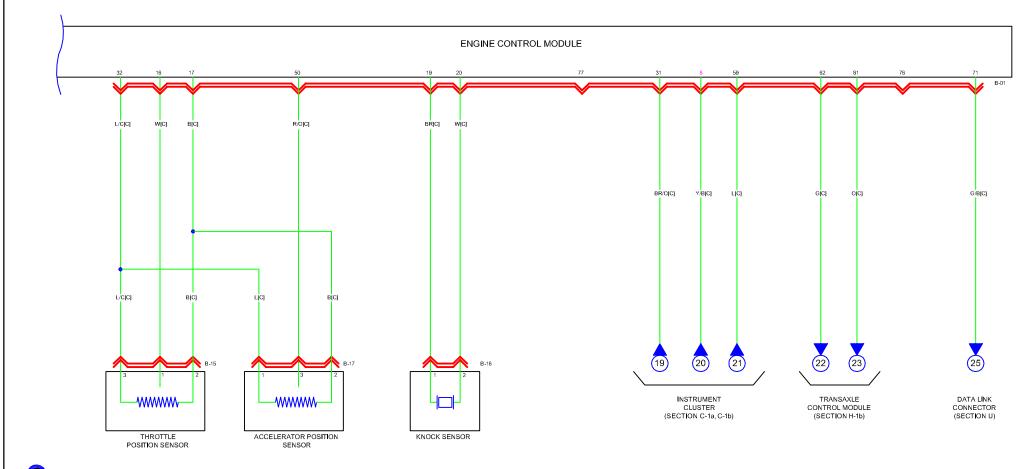
ENGINE CONTROL SYSTEM B-1b BATTERY \oplus 0 ENGINE CONTROL MODULE IGNITION SWITCH P/B(C) 15A INJ (SECTION B-1a) B/O(C) IGN COIL G(C) G(C) 丰 IGNITION COIL PURGE CONTROL SOLENOID VALVE IDLE SPEED CONTROL ACTUATOR INJECTORS SPEED GOVERNOR B-06 IDLE SPEED CONTROL ACTUATOR [C] B-01 ENGINE CONTROL MODULE [C] B-05 IGNITION COIL [C]

* L	, P	° Y/B	*	10 *	*	¹² BR	w W	" О	" G	18 W	" В	¹⁰ G	"BR	[∞] W	21 *	22 *	23 *	[≈] BR/R	° W	*
25 *	[™] P/B	B/O	28 L	²⁰ W	30 *	³BR/O	L/O	[∞] O/B	34 *	*P/B	*B/W	"L/B	38 *	* R	*	*	[®] G/B	" G]3	3
" G	* G	* Y	"Y/B	[®] L/O	**	®G/O	^{s1} B	52 *	" B	54 %	*G/O	56 *	" Y	50 *	⁵⁰ L	®R/O	81 *	[®] G] '	5
[®] G	*	*	*	*	*GR	∞wв	™RB	[™] G/B	72 *	73 *	74 *	™ Y/B	[™] L/B	" R	⁷⁸ В	"LG	* B	⁸¹ 0	² G	*



B-1c **ENGINE CONTROL SYSTEM** ENGINE CONTROL MODULE G/O[C] L/B[C] O/B[C] G/B[C] B/W[C] G[C] L/O[C] P/B[C] LG[C] BICL INSTRUMENT CLUSTER 10A SNSR (SECTION C-1a) (SECTION B-1a) P/B[C] B[C] B[C] MANIFOLD ABSOLUTE HO2S (B1S1) HO2S (B1S2) ENGINE COOLANT CAMSHAFT POSITION SENSOR CRANKSHAFT POSITION SENSOR PRESSURE SENSOR TEMPERATURE SENSOR B-01 ENGINE CONTROL MODULE [C] B-10 HO2S (B1S1) [C] B-09 MANIFOLD ABSOLUTE PRESSURE SENSOR [C] BR/R W Y/B BR W 0 G W В G BR W BR/O P/B R P/B B/O W L/O O/B ®B/W L/B G/B G 。 G/O G G G Y/B L/O G/O В ®R/O G GR ®WB RB G/B Y/B L/B R В "LG G В 0 B-12 ENGINE COOLANT B-14 CRANKSHAFT POSITION B-11 HO2S (B1S2) [C] B-13 CAMSHAFT POSITION TEMPERATURE SENSOR [C] SENSOR [C] SENSOR [C]

B-1d | ENGINE CONTROL SYSTEM



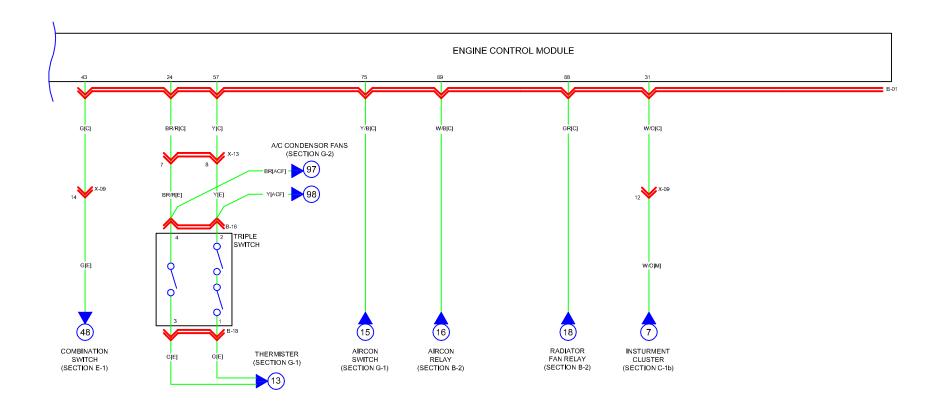


B-01 ENGINE CONTROL MODULE [C]

ů L	, P	* Y/B	*	*	*	¹² BR	13 W	" О	¹⁵ G	16 W	" В	¹⁸ G	[™] BR	[∞] W	21 *	22 *	23 *	[™] BR/R	⁵ W	*
25 *	[™] P/B	B/O	" L	²⁹ W	30 *	BR/O	L/O	®O/B	34 *	[∞] P/B	*B/W	"L/B	38 *	* R	*	41 *	ຶ G/B	° G	3	,
* G	[®] G	** Y	[™] Y/B	[®] L/O	49 *	®G/O	В	52 *	В	*	*G/O	56 *	" Y	*	[®] L	®R/O	*	[®] G		·
[®] G	64 *	es *	*	*	® GR	®WB	" RB	[™] G/B	72 *	73	74 *	[™] Y/B	[™] L/B	" R	в	[®] LG	[®] B	81 0	² G	*

B-15 THROTTLE POSITION SENSOR [C]	B-16 KNOCK SENSOR [C]
B-17 ACCELERATOR POSITION SENSOR [C]	

B-1e | ENGINE CONTROL SYSTEM

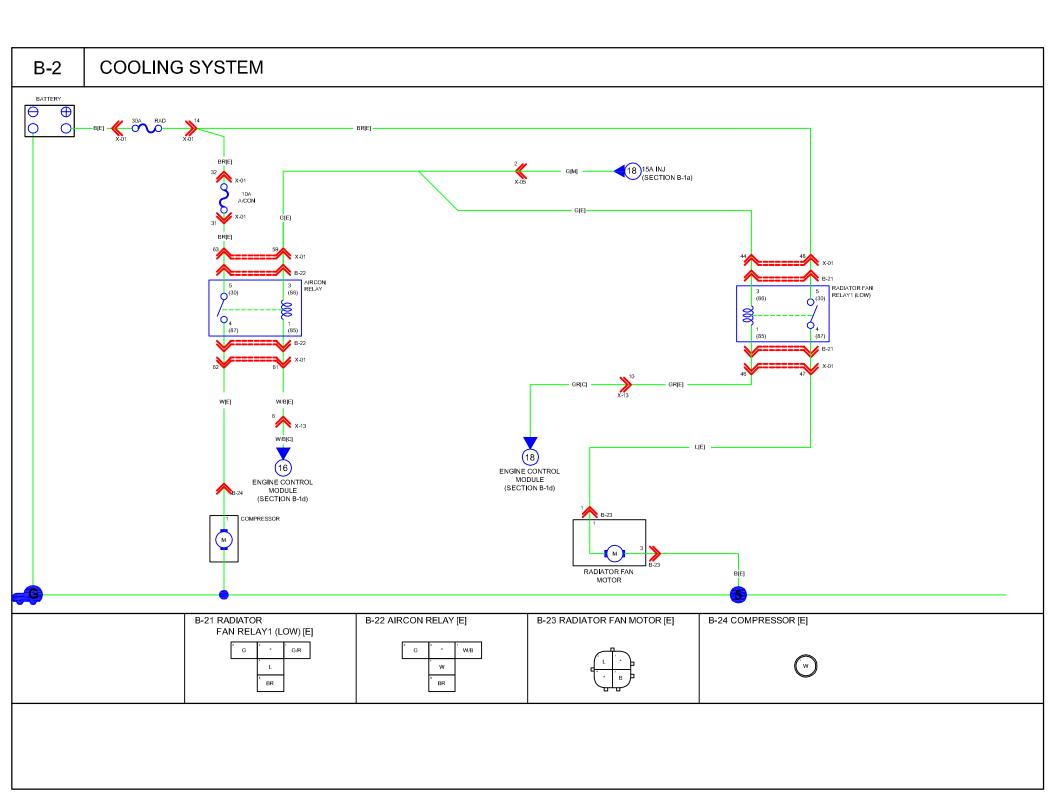


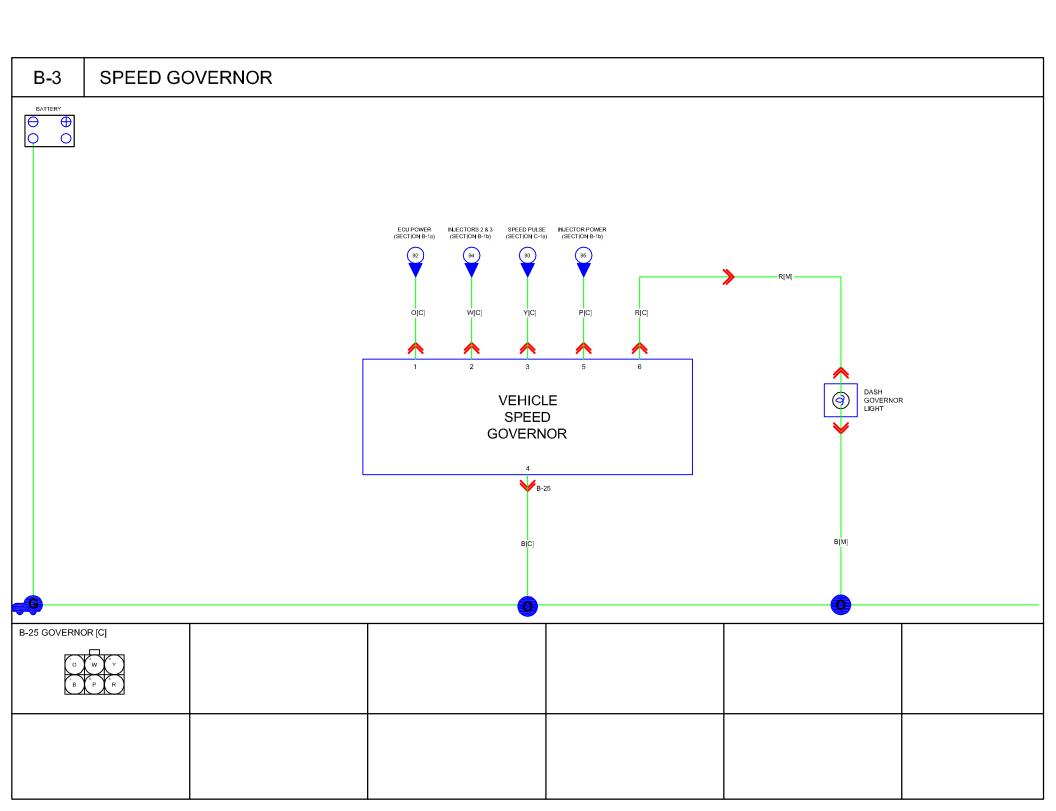


B-01 ENGINE CONTROL MODULE [C]

° L	, P	° Y/B	9 *	10 *	*	¹² BR	13 W	" О	" G	¹⁶ W	" В	G	BR	[∞] W	21 *	22 *	23 *	BR/R	, M	4 *
25 *	[™] P/B	²⁷ B/O	28 L	" W	*	BR/O	*L/O	[∞] O/B	*	[∞] P/B	*B/W	″L/B	36 *	" R	*	*	G/B	° G	,	,
* G	[®] G	* Y	[™] Y/B	*L/O	*	®G/O	" В	52 *	В	*	[®] G/O	56 *	ş. Υ	58 *	» L	®R/O	*	[®] G		•
[®] G	*	*	*	*	[®] GR	ຶwв	[™] RB	"G/B	*	*	*	" Y/B	[™] L/B	" R	" B	[®] LG	в	o 0	² G	*

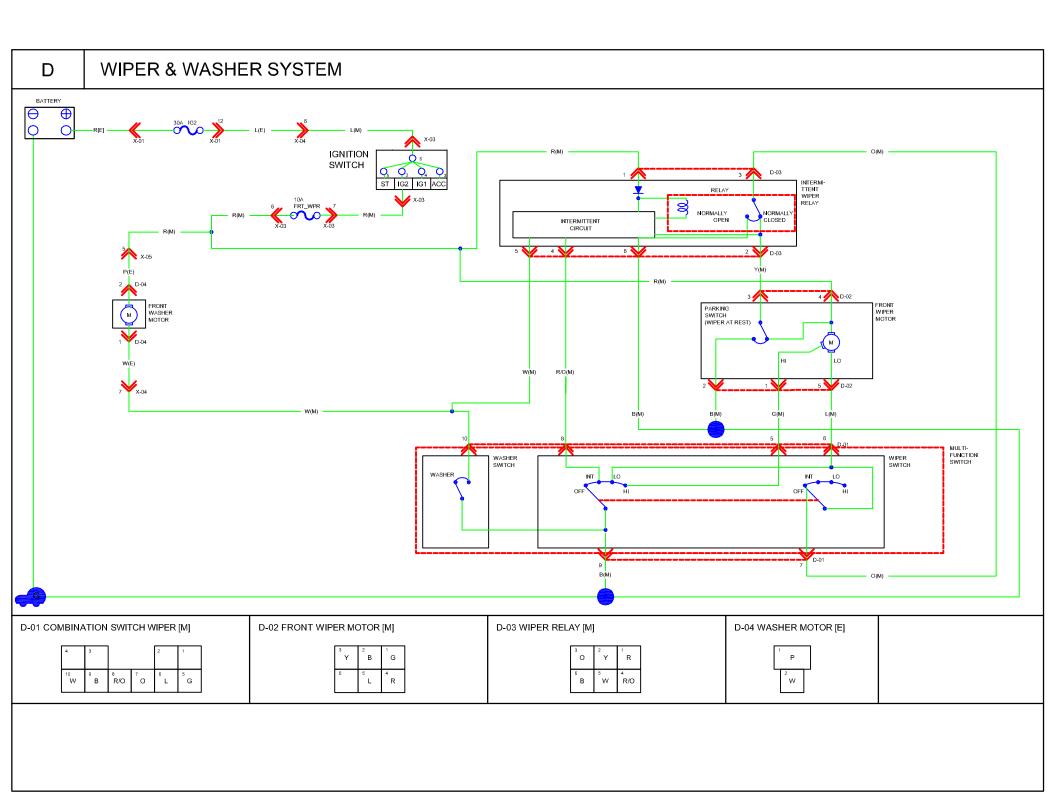
B-18 TRIPPLE SWITCH	
Y G	
BRR G	

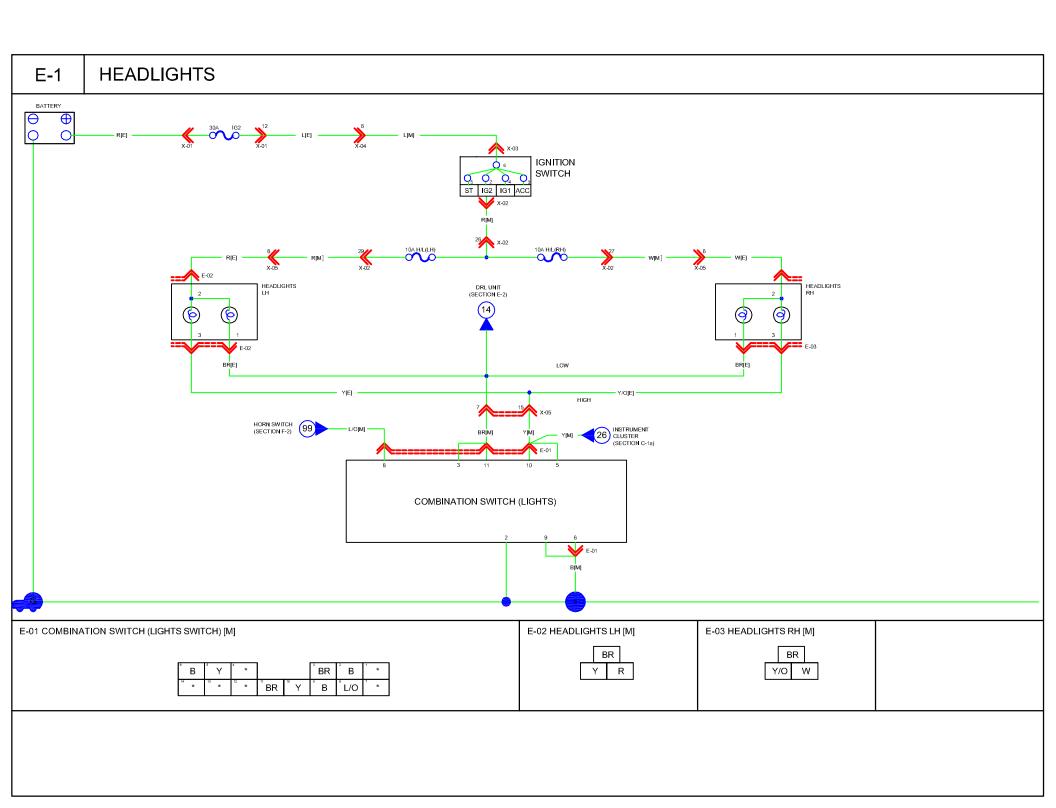


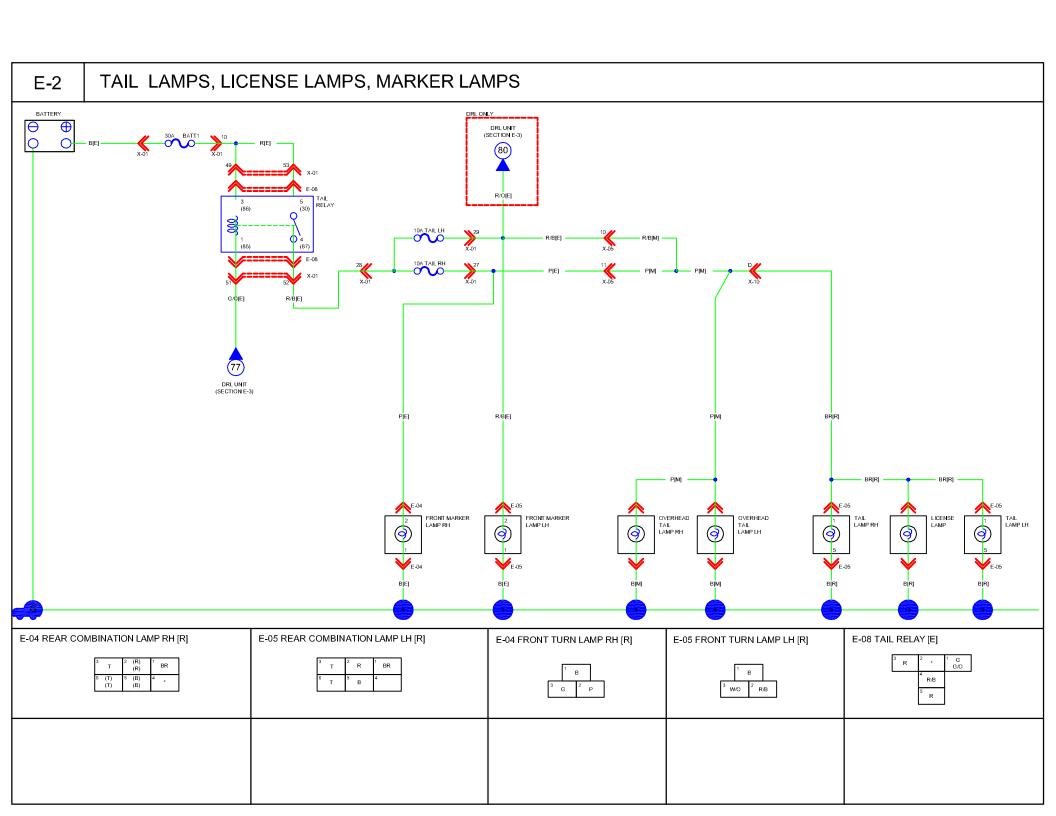


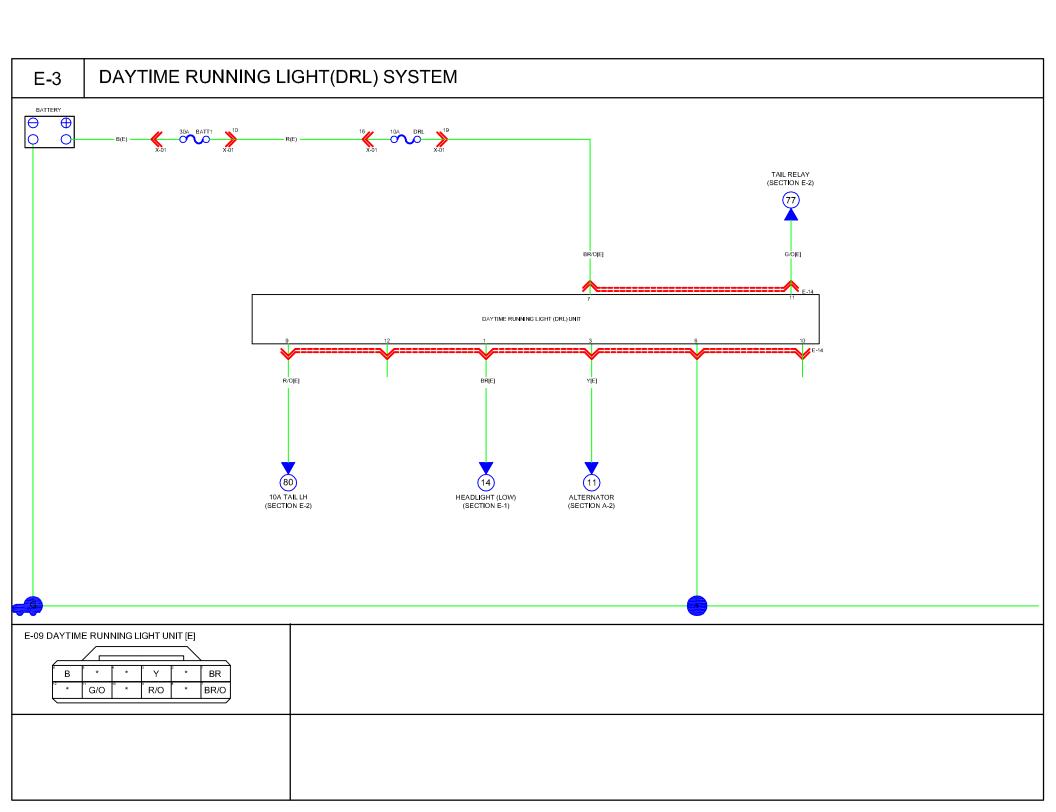
INSTRUMENT CLUSTER & WARNING LAMPS C-1a BATTERY \oplus 0 0 IGNITION SWITCH Ò ST IG2 IG1 ACC A9 TEMP (HIGH) TEMP (LOW) ODO/ TRIP CLOCK FUEL TACO SPEED HI BEAM AIR BAG **₹**₩-€ OIL MICOM B14 A5 A13 A15 BR[M] HEADLIGHTS (SECTION E-1) OIL PRESSURE SWITCH ENGINE COOLANT TEMPERATURE (SECTION B-1c) ENGINE CONTROL MODULE VEHICLE SPEED SENSOR(A/T) SPEED GOVERNOR (SECTION B-3) (SECTION B-1d) (SECTION H-1A) C-01 INTRUMENT CLUSTER [M] C-02 VECHILE SPEED C-03 OIL PRESSURE SWITCH [C] (A) L BLUE PLUG (B) WHITE PLUG SENSOR (M/T) [C] Y/B L/O G ™R/O 。 G/B Y/B В В В BR "W/O

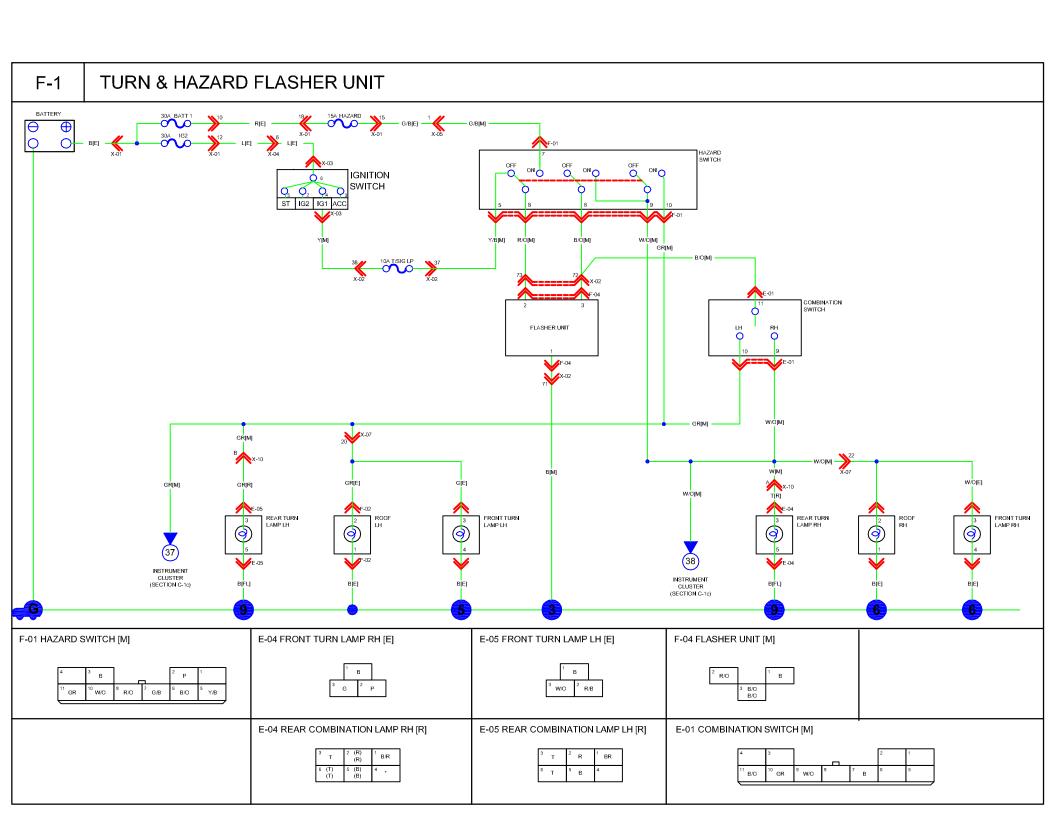
INSTURMENT CLUSTER & WARNING LAMPS C-1b 8 10A R/LP (SECTION I-1a) CHK ENIG T/GATE місом A14 A16 R/O[M] BR/O[M] 9 X-10 R/O[FL] B[FL] BR/O[C] ENGINE CONTROL MODULE (SECTION B-1d) JOINT CONNECTOR FUEL PUMP UNIT (SECTION I-2a) C-01 INTRUMENT CLUSTER [M] B-02 FUEL PUMP UNIT [M] (A) L (B) Y/B L/O W GR G *R/O В BR





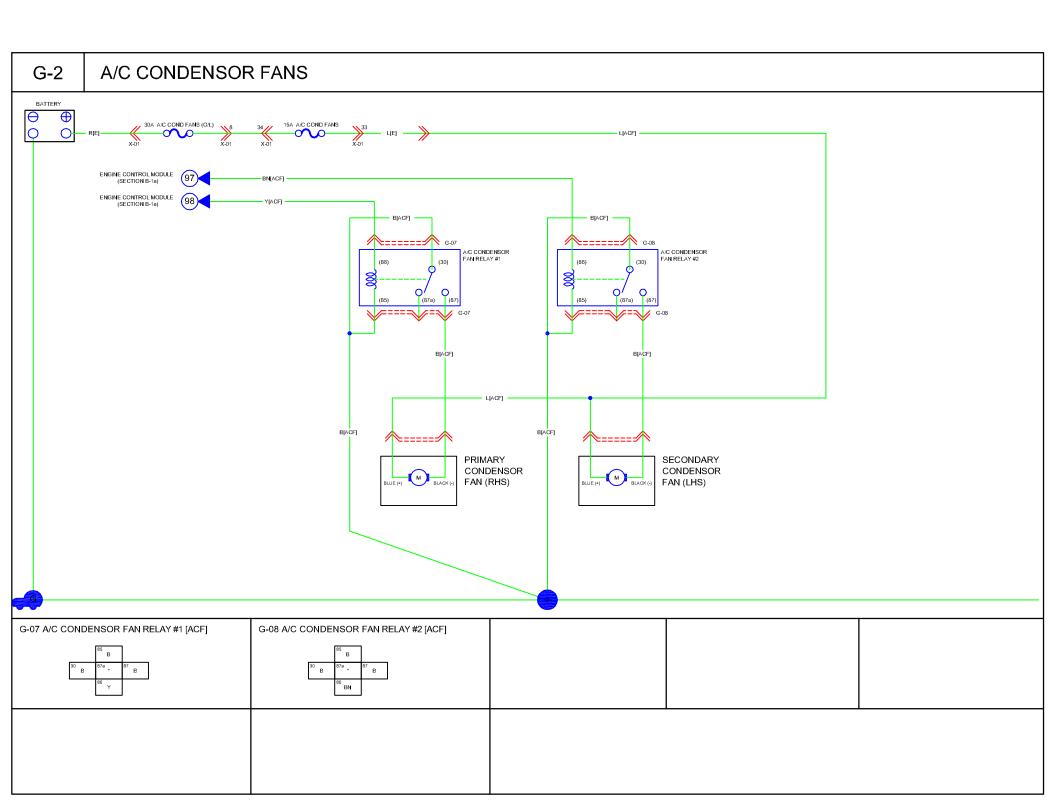






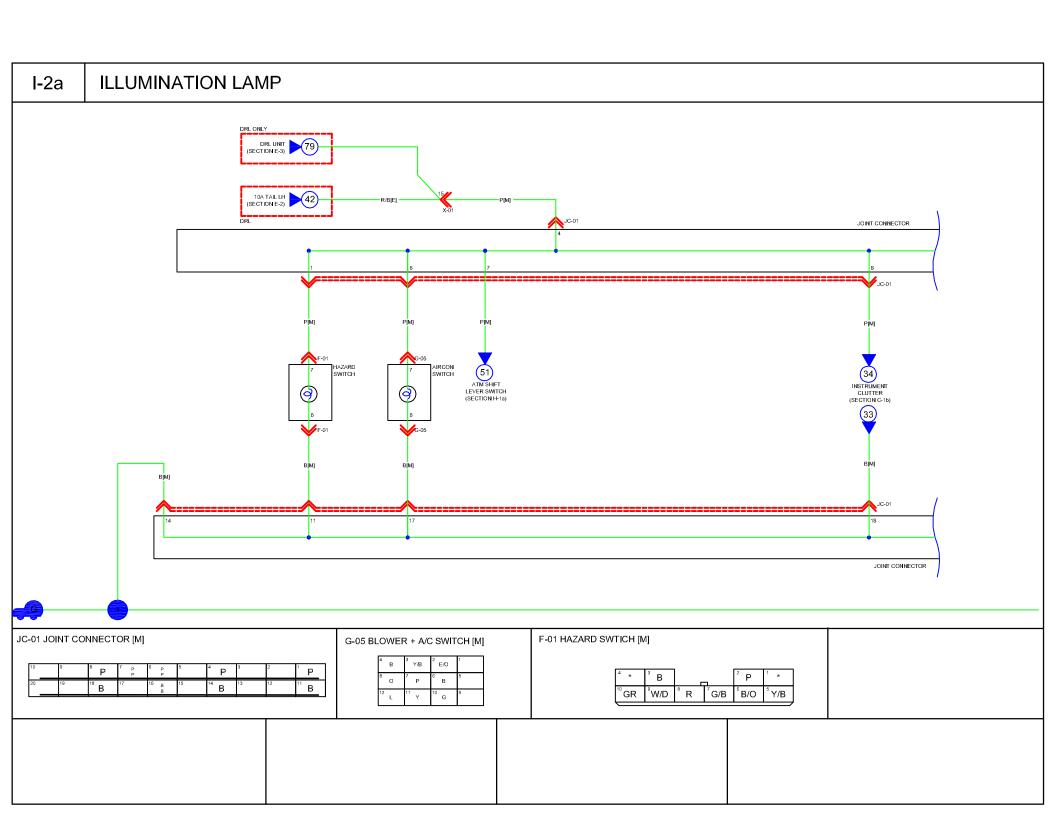
HORN, STOP LIGHTS, BACK-UP LIGHTS F-2 TRANSAXLE CONTROL MODULE (SECTION H-1a) GRIMI (CONTROL HARNESS UNUSED CONNECTOR) SWITCH (SECTION H-1a) OPTION RING TERMINAL ROOF MOUNT STOP LIGHT LH ROOF MOUNT STOP LIGHT RH REAR STOP LIGHT RH REAR STOP LIGHT LH BACK-UP LIGHT LH F-08 STOP SWITCH [E] F-06 HORN [E] F-09 STOP SWITCH (UNUSED) [C] F-11 HORN RELAY [E] E-04 REAR COMBINATION LAMP RH [R] E-05 REAR COMBINATION LAMP LH [R]

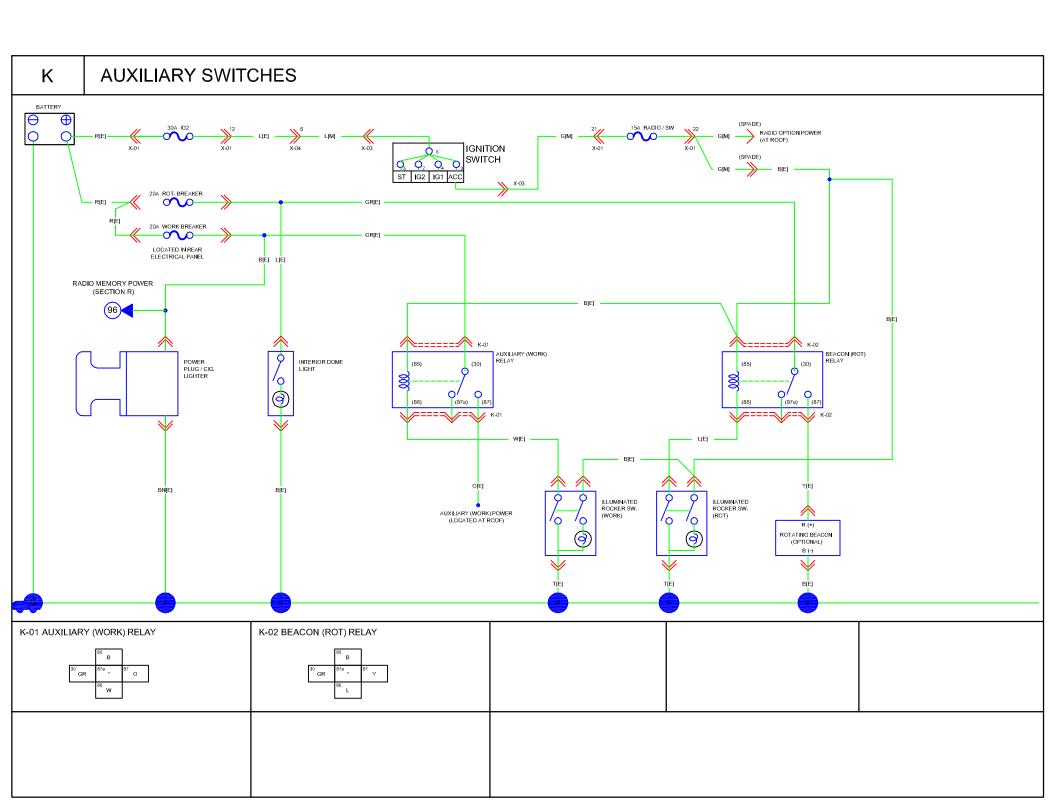
HEATER & AIR CONDITIONER SYSTEM G-1 BATTERY \oplus 0 BLOWER RESISTOR IGNITION MOTOR SWITCH M ST IG2 IG1 ACC IGN O/S MIR AIRCON BR[M] G/O[M] (HIGH) (MED) JOINT CONNECTOR BLOWER THERMISTOR SWITCH 1 ENGINE CONTROL MODULE (SECTION B-1e) G-02 BLOWER MOTOR [C] G-03 THERMISTOR [E] G-04 BLOWER RELAY [E] G-05 BLOWER + A/C SWITCH [M] В L/O NOTE A/C S/W & BLOWER S/W IN SAME ASSEMBLY G-06 RESISTOR [C]

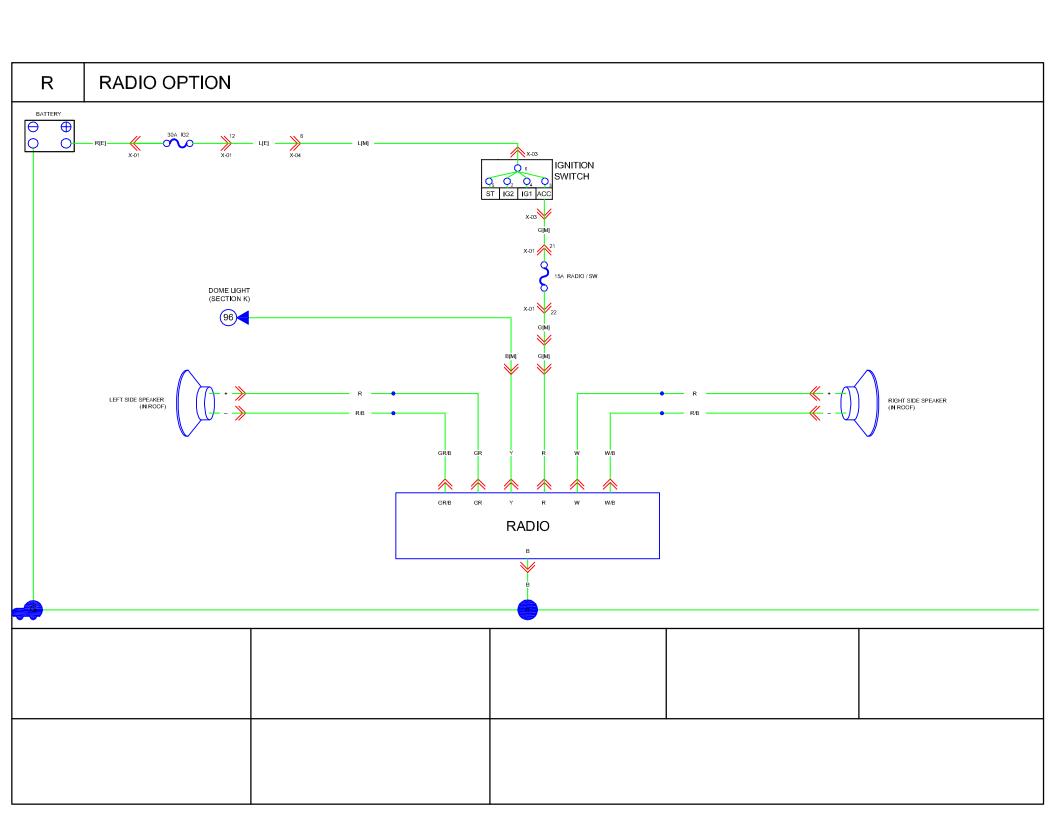


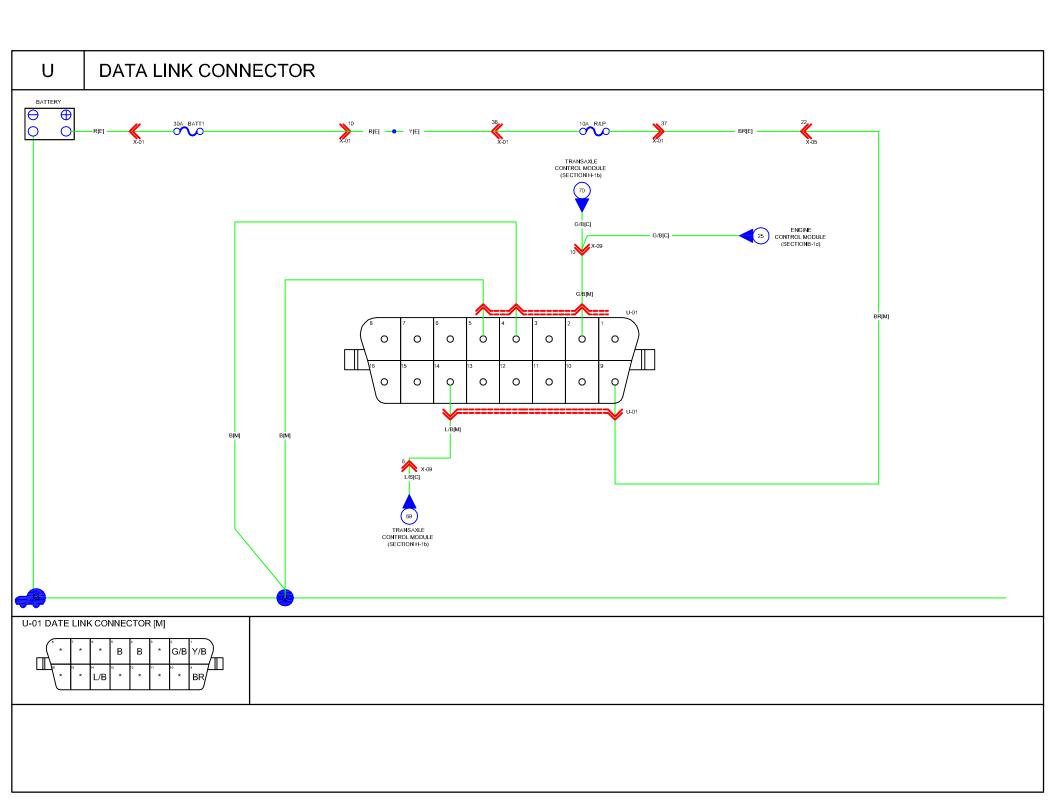
H-1a TRANSAXLE CONTROL SYSTEM BATTERY \oplus 0 IGNITION VEHICLE SWITCH SPEED SENSOR ST IG2 IG1 ACC (A/T ONLY) INHIBITOR SWITCH TCU B/UP JOINT CONNECTOR (SECTION I-2a) BACK-UP BR[E] LIGHT (SECTION F-2) X-13 L[C] ATM SHIFT LEVER SWITCH (O/D OFF SWITCH) 29 INSTRUMENT R[C] L/O[C] W[C] G/O[C] CLUSTER (SECTION C-1a) INSTRUMENT CLUSTER (SECTION C-1c) TRANSAXLE CONTROL MODULE G/O[M] H-01 TRANSAXLE CONTROL MODULE [C] REAR ELECTRICAL BOX H-02 INHIBITOR SWITCH [C] H-03 ATM SHIFT LEVER SWITCH [M] W/B W G 0 G/B L/B В G/O Υ W G GR H-04 VEHICLE SPEED SENSOR [C] BR GR

H-1b TRANSAXLE CONTROL SYSTEM TRANSAXLE CONTROL MODULE L/B[C] G/B[C] GR[C] Y[C] W[C] L[C] B[C] B[C] TURBINE SENSOR ATM SOLENOID STOP LIGHT SWITCH DATA LINK CONNECTOR (SECTION U) ENGINE (SECTION F-2) OIL TEMP CONTROL MODULE (SECTION B-1d) SENSOR PRE-SSURE H-01 TRANSAXLE CONTROL MODULE [C] H-05 TURBINE SENSOR [C] H-06 ATM SOLENOID [C] W/B W G 0 G/B L/B W В G/O Υ Р W G GR BR GR



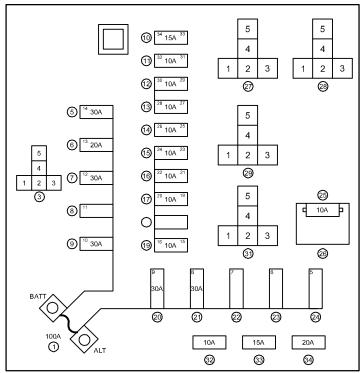






COMMON CONNECTOR X-1

X-01 RELAY BOX [E] (UH BOX)



O100A BATT

3HORN RELAY

30A RAD @20A ECU1

Ø30A IG1

®*

@15A A/C COND FANS 010A A/CON

@10A TAIL LH **10A TAIL RH**

@10A ECU2

@10A STOP **©**10A HORN

Ø10A DRI

15A HAZARD

@30A BLOWER **ூ30A A/C COND FANS** **29** 30A BATT2

3 10A R/LP

@ A/CON RELAY

@ RADIATOR FAN RELAY1

3 START RELAY

® RADIATOR FAN RELAY2

10 TAIL RELAY

10A SPARE

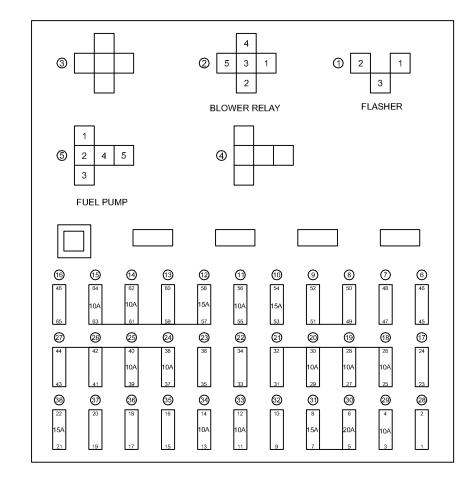
15A SPARE

20A SPARE

X-03 IGNITION SWITCH [M]



X-02 FUSE BOX [M] (IP BOX)



OFLASHER UNIT ØBLOWER UNIT

SFUEL PUMP RELAY

@DIODE-5

@10A IGN O/S MIR @10A H/LP (HP) @10A H/LP (LH)

@15A TCU B/UP

@15A INJ

®*

9*

15A IGN COIL

@10A T/SIG LP

10A CLUSTER

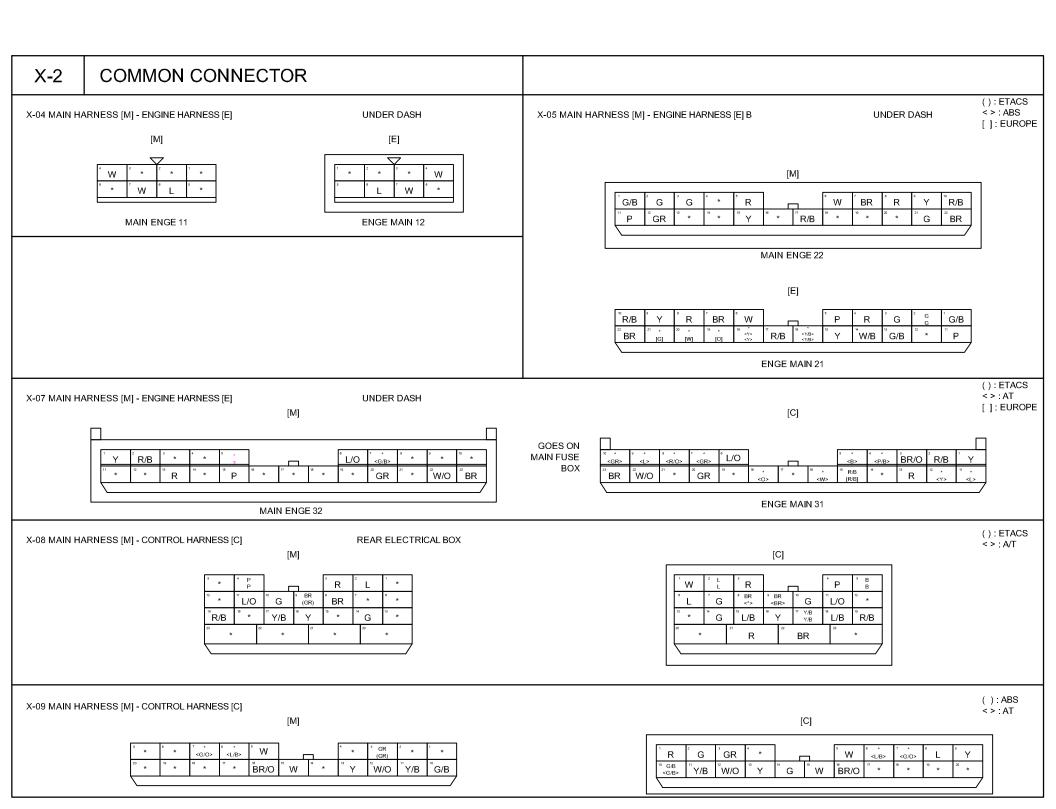
Ø *

@ FUEL CHECK

10A FUEL PUMP 9 20A FRT WIPER

@ 10A A/CON SW **10A START SIG**

15A RADIO / SWITCHES



X-3	COMMON CONNECTOR	
X-13 CONTRO	DL HARNESS [C] - ENGINE HARNESS [E]	():A/T
	[C] BR/B 2 Y	[E] G G/O Y BR/B GR * * Y BR/O W/B BR
X-20 ENGI	IE] [B] [B] [B] [B] [B] [B] [B] [X-23 CONTROL HARNESS [C] - EXTENSION HARNESS [C] (B) (B) (C) (B) (C) (B) (C) (C)
X-10 MAIN	I HARNESS [M] - REAR HARNESS[R] [M] [R] T T R BR T B MAIN REAR 11 MAIN REAR 12	