

2005 WIRING DIAGRAMS - TABLE OF CONTENTS

2005 Domestic and International Models

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HOW-TO-USE THESE WIRING DIAGRAMS

Page numbering

The wiring diagrams identified with page numbers "1", "2", etc. are overall diagrams that include all electrical/electronic systems and their associated wiring and connectors. Circuit specific diagrams for the Starting, Charging, Ignition, Horn and Instruments, Lighting, Cruise Control System, Security, Police and Audio System have been added. The circuit specific diagrams only show the components and wiring in the System(s) listed in the page title. The pages containing circuit specific diagrams are numbered "3C", "4C", etc. The "C" indicates circuit specific.

Troubleshooting

Once a problem has been isolated to a specific system or circuit, the circuit specific diagrams will simplify locating the problem.

NOTE

Harness Part No.'s may be included on some wiring diagrams. Use these numbers for reference purposes only. ALWAYS REFER TO THE PARTS CATALOG WHEN ORDERING WIRING HARNESSSES.

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2005 Domestic and International Models

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FLHT, FLHTI (Fuel Injected), FLHTC, FLHTCI, FLHTC Ultra-I, FLTRI

NOTE

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2005 Domestic and International Models

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FLHPI DOMESTIC and Canada, FLHPEI - California only

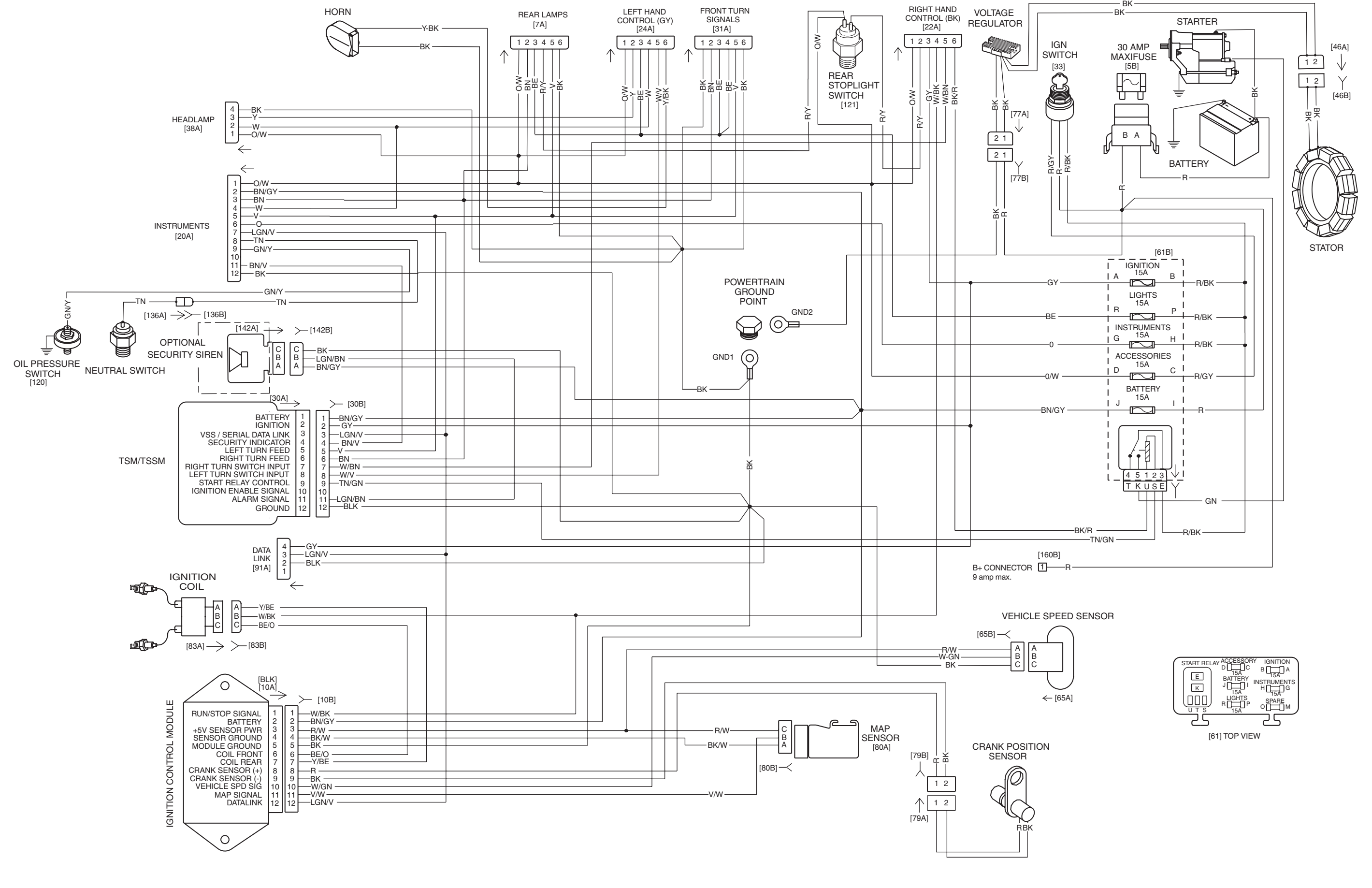
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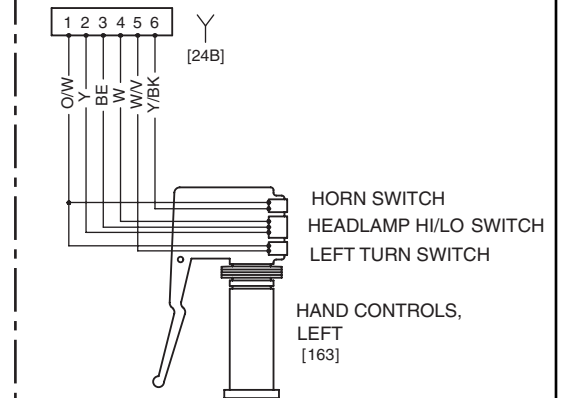
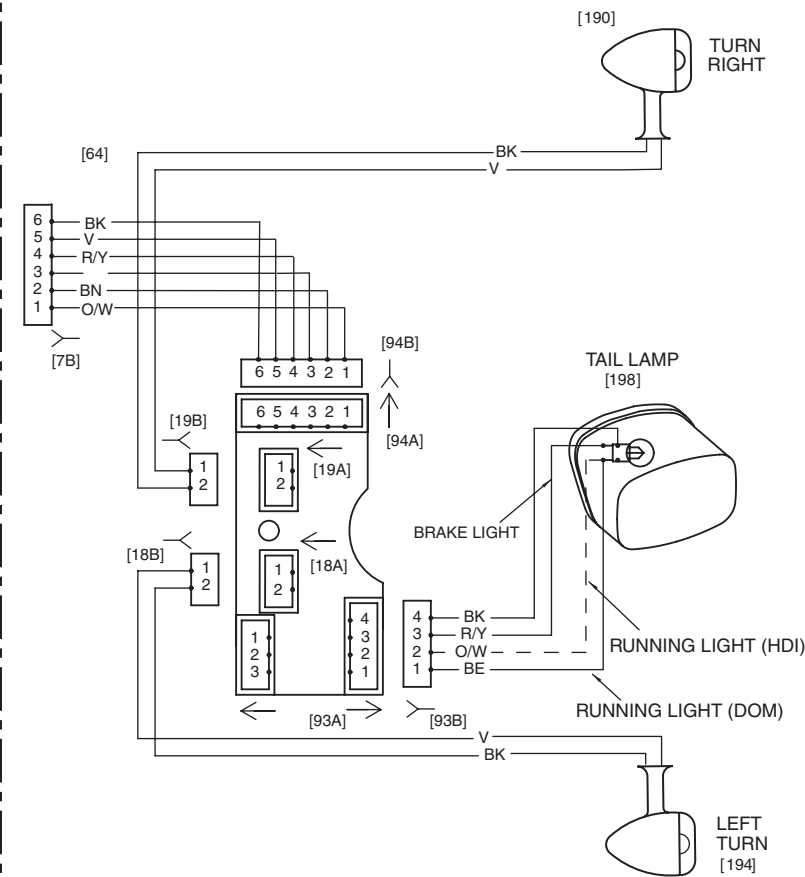
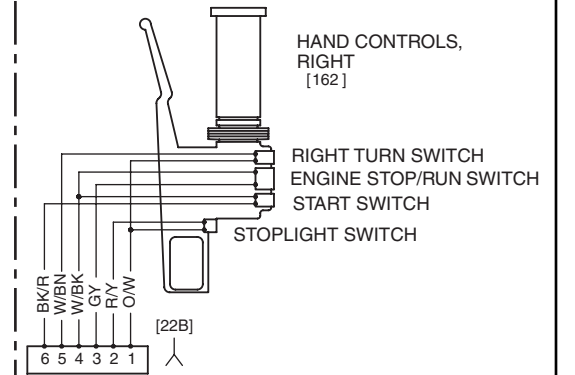
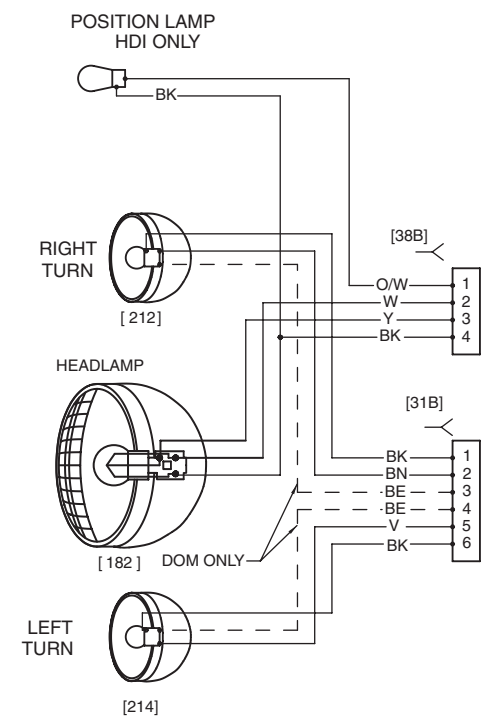
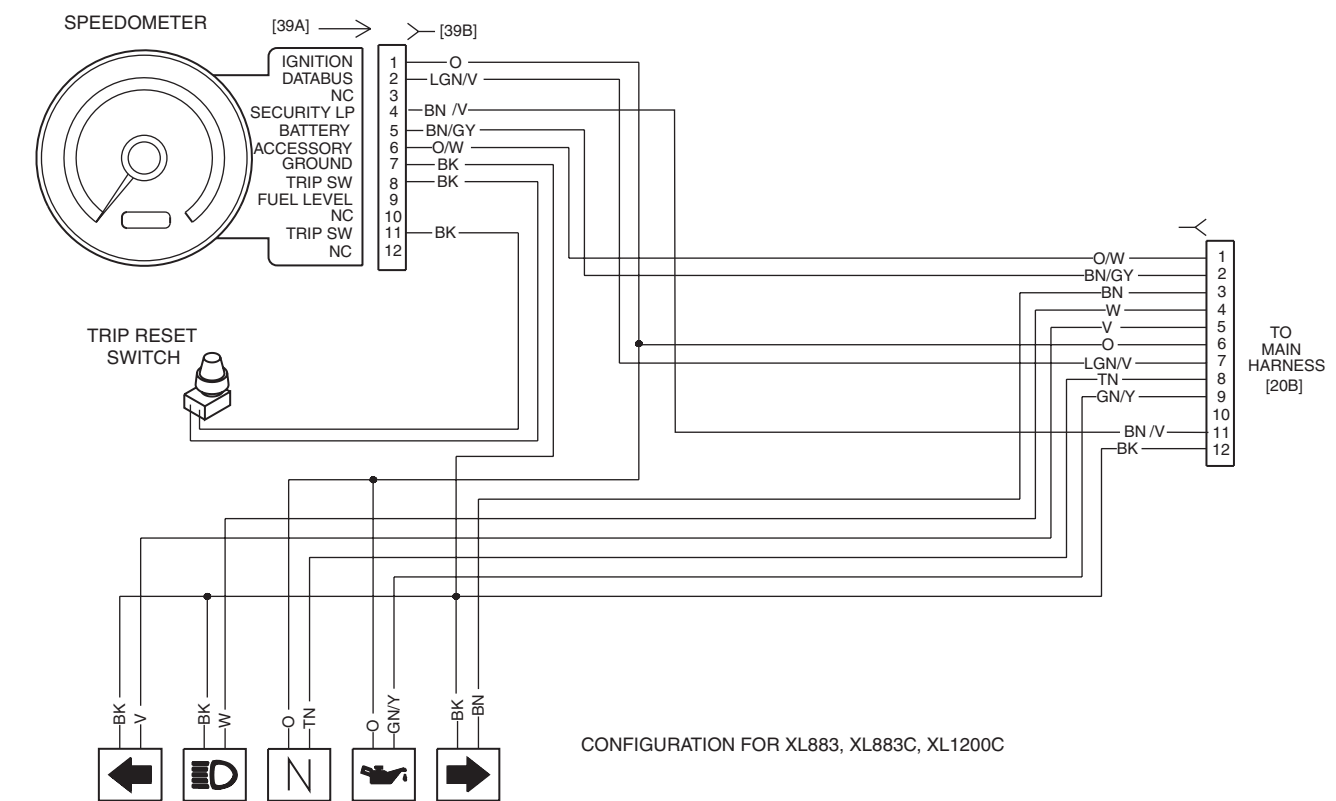
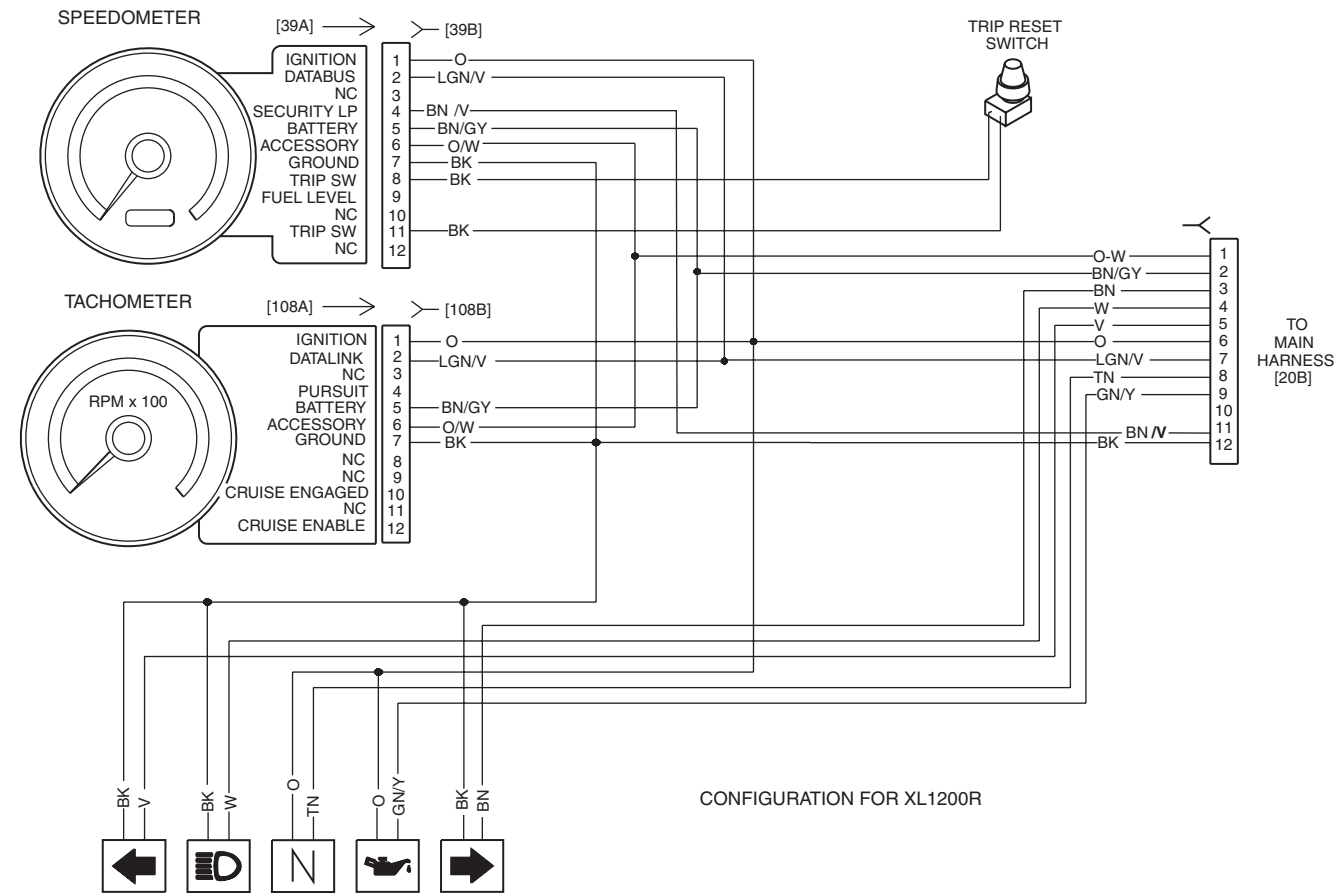
TLE Sidecar, TLE Ultra Sidecar

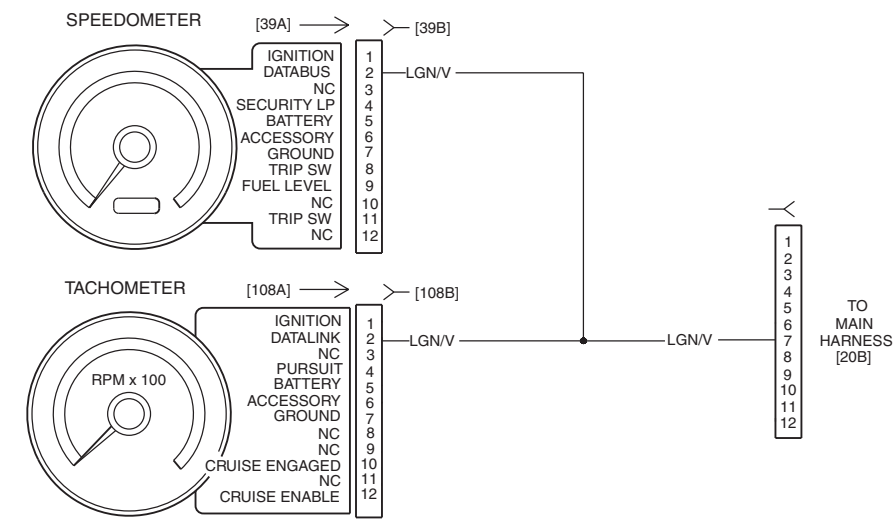
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VRSCA, VRSCB V-Rod

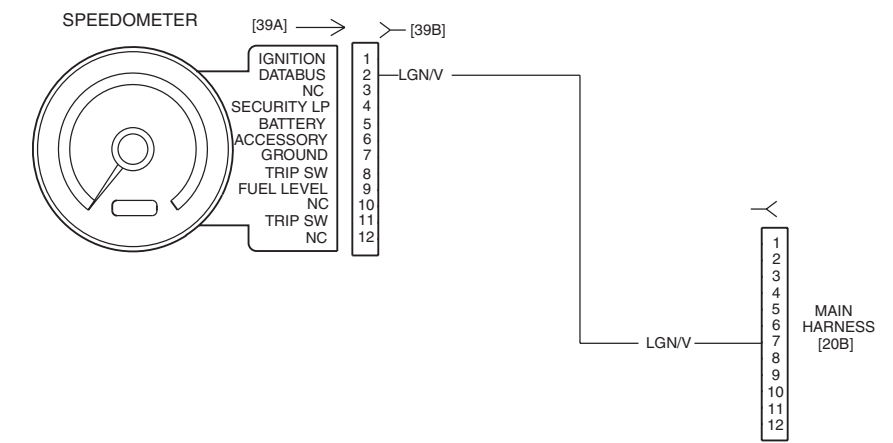
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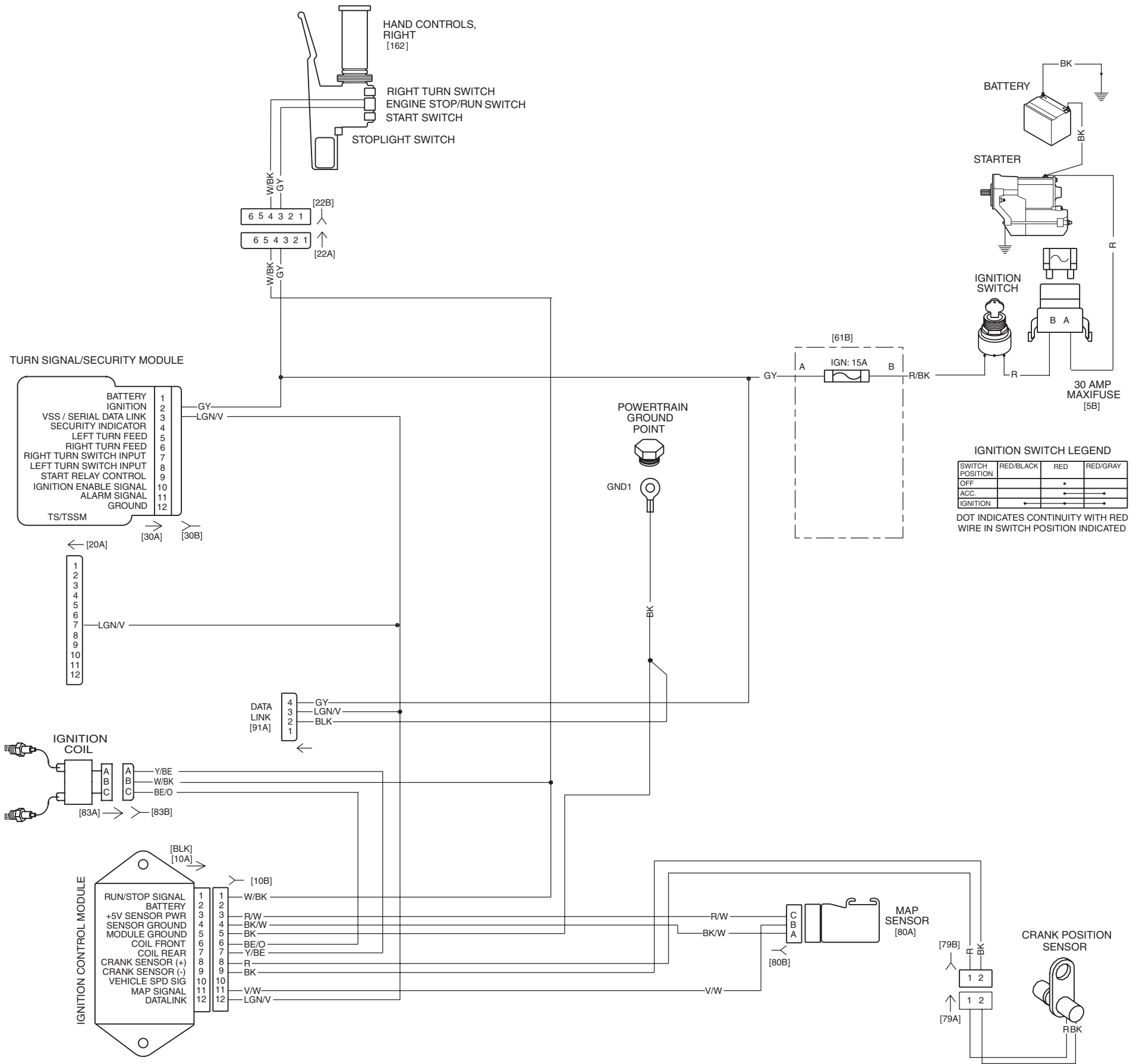


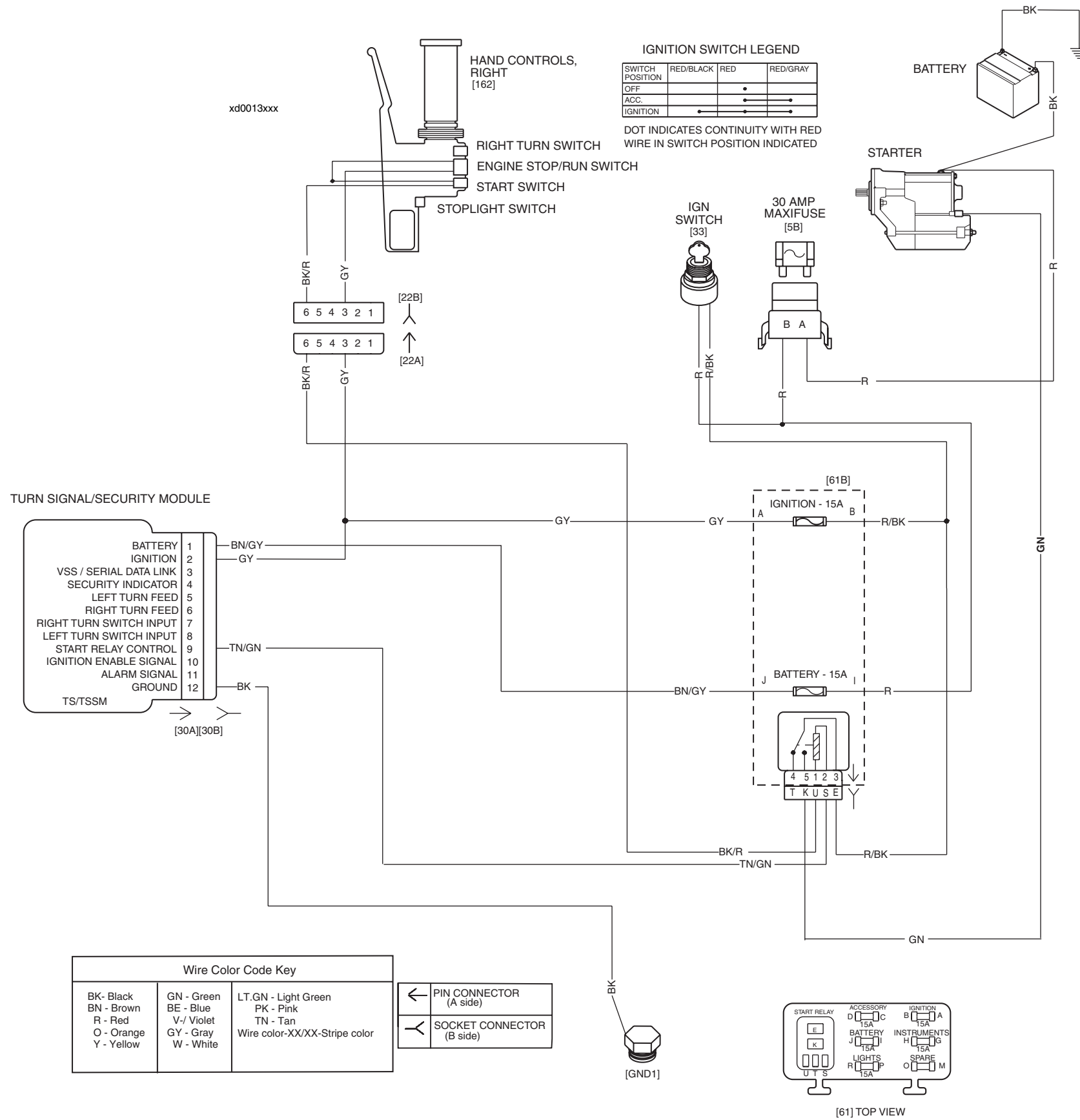


CONFIGURATION FOR XL1200R

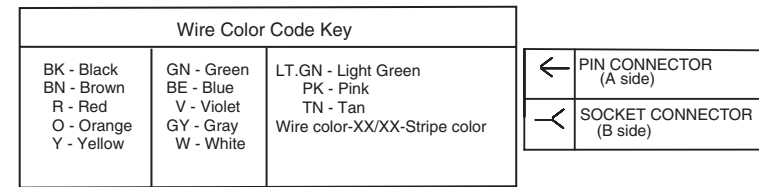
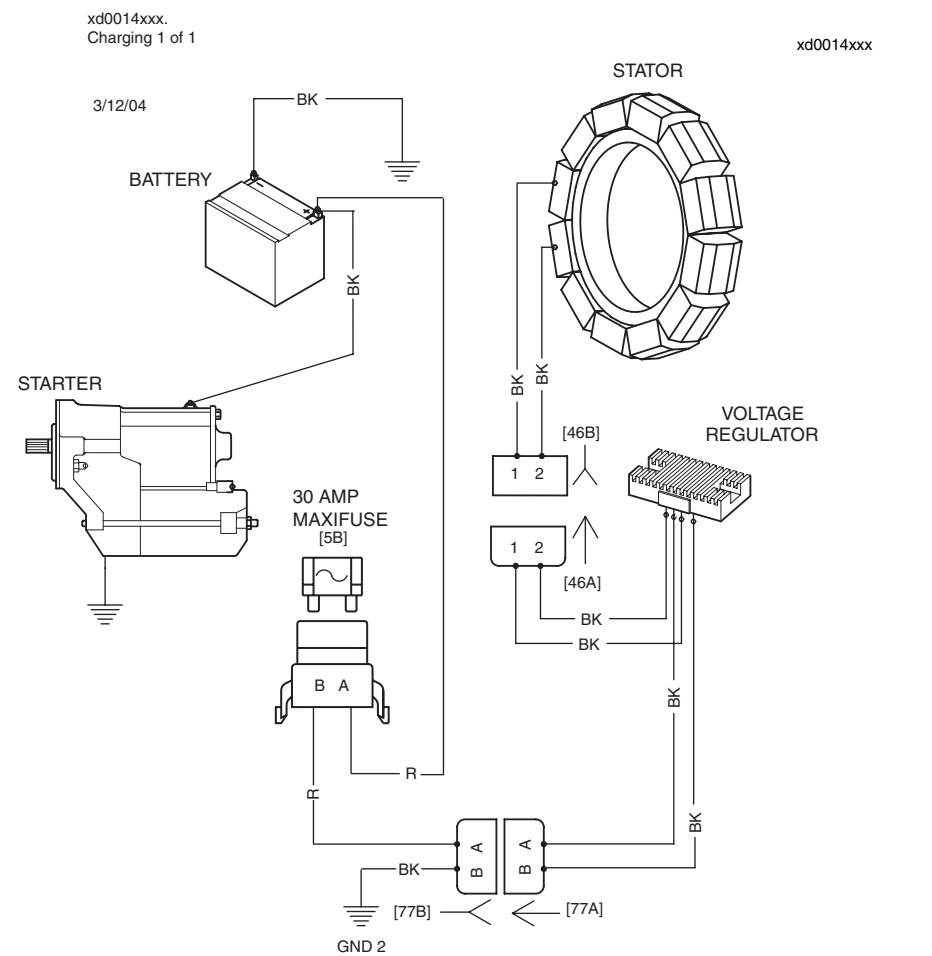


CONFIGURATION FOR XL883, XL883C, XL1200C

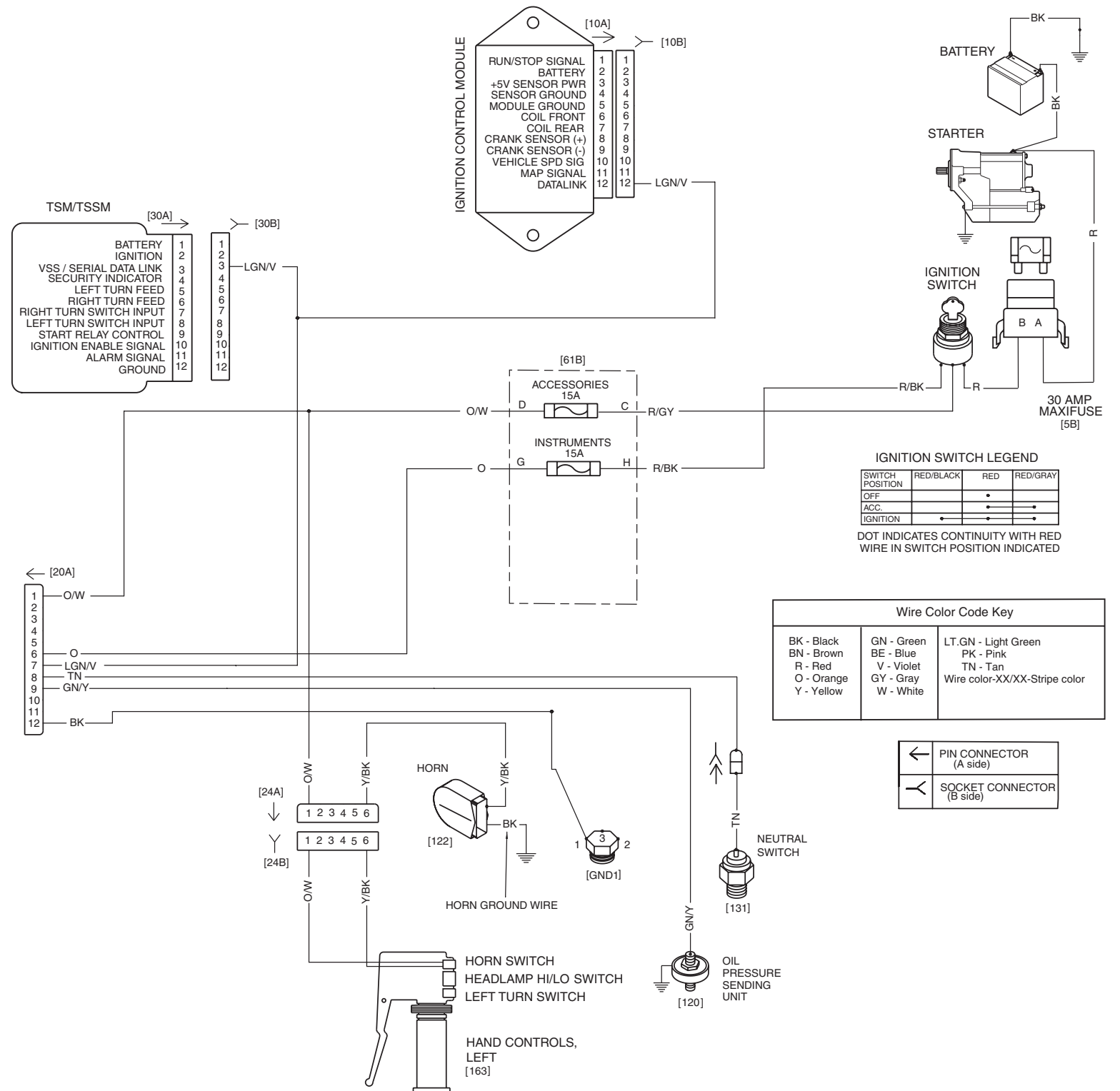
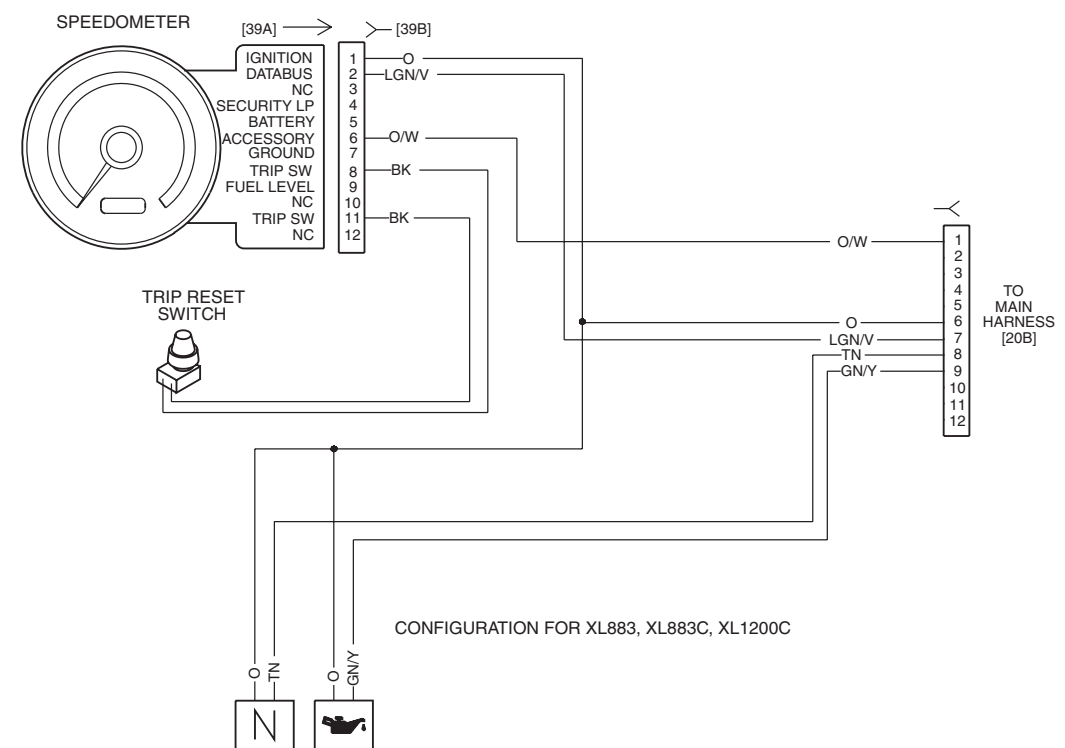
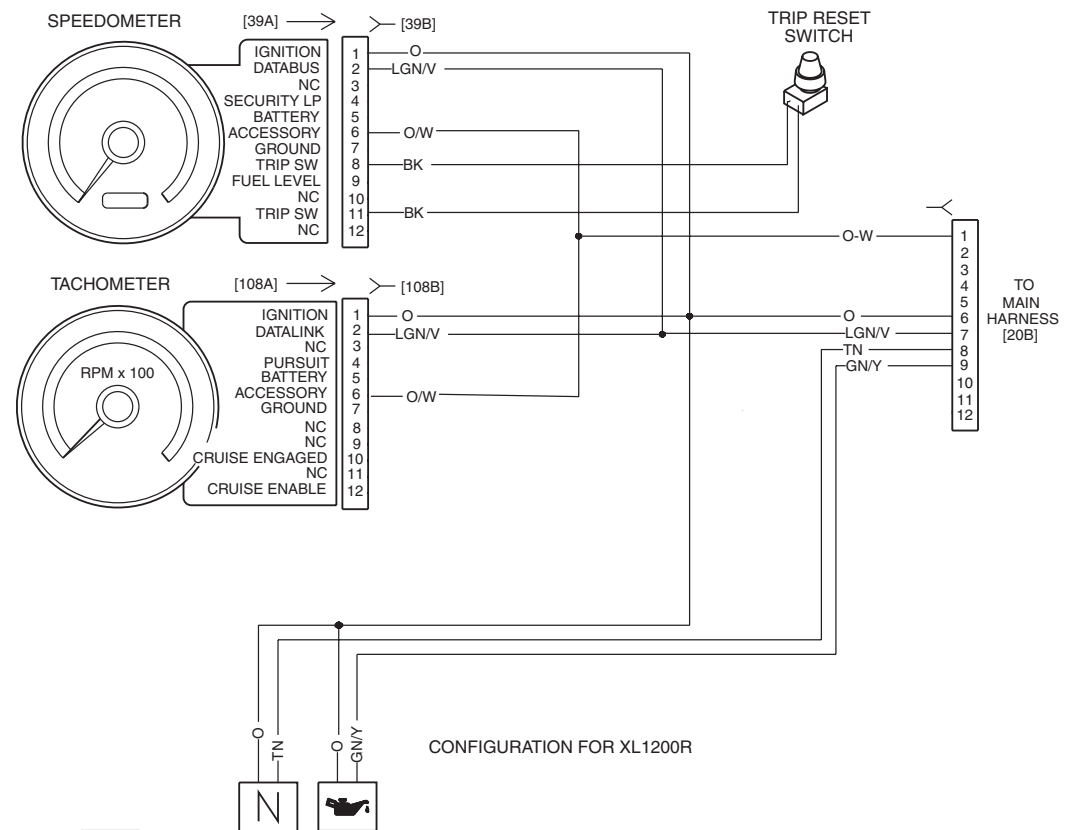


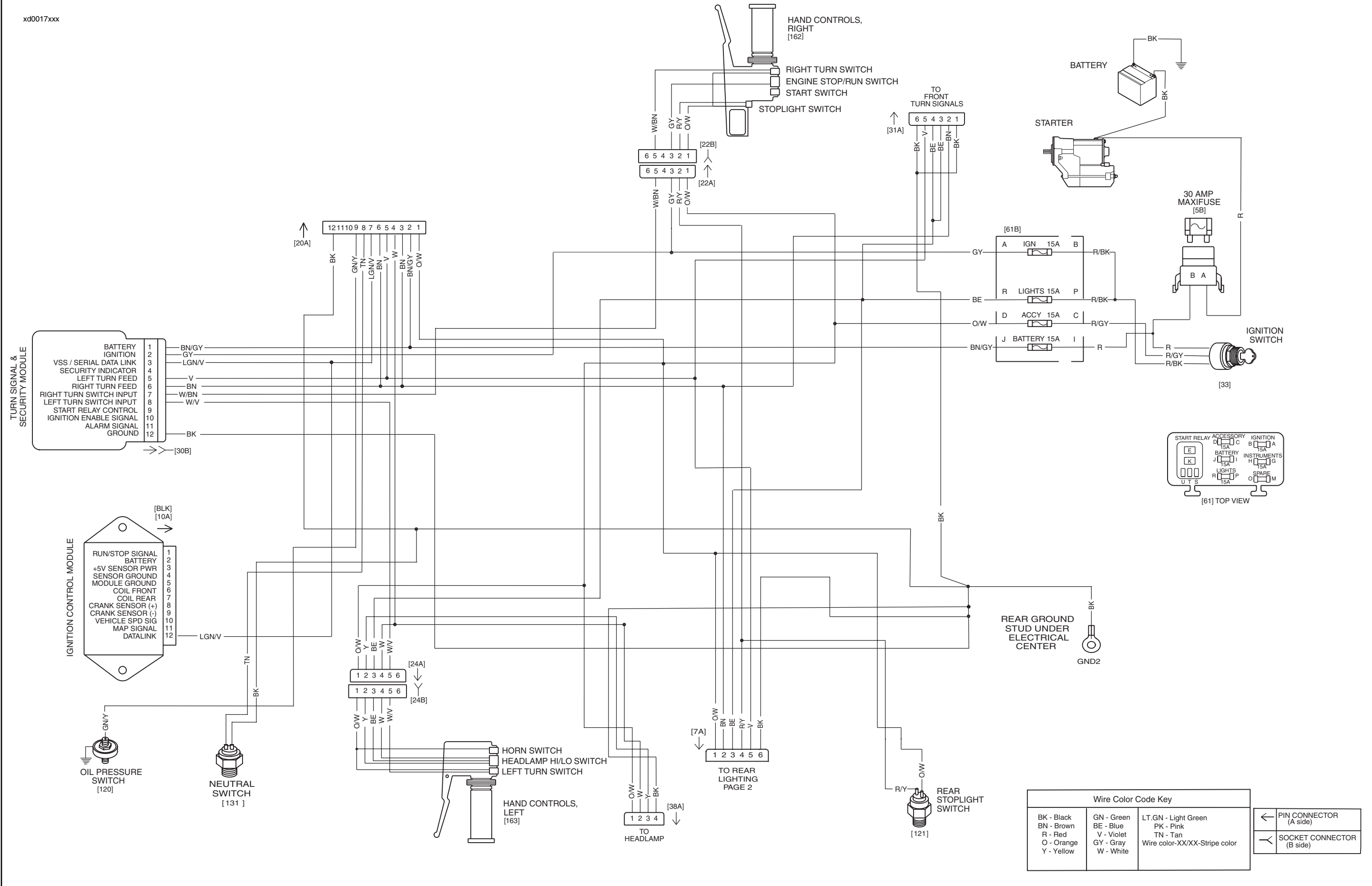


STARTING



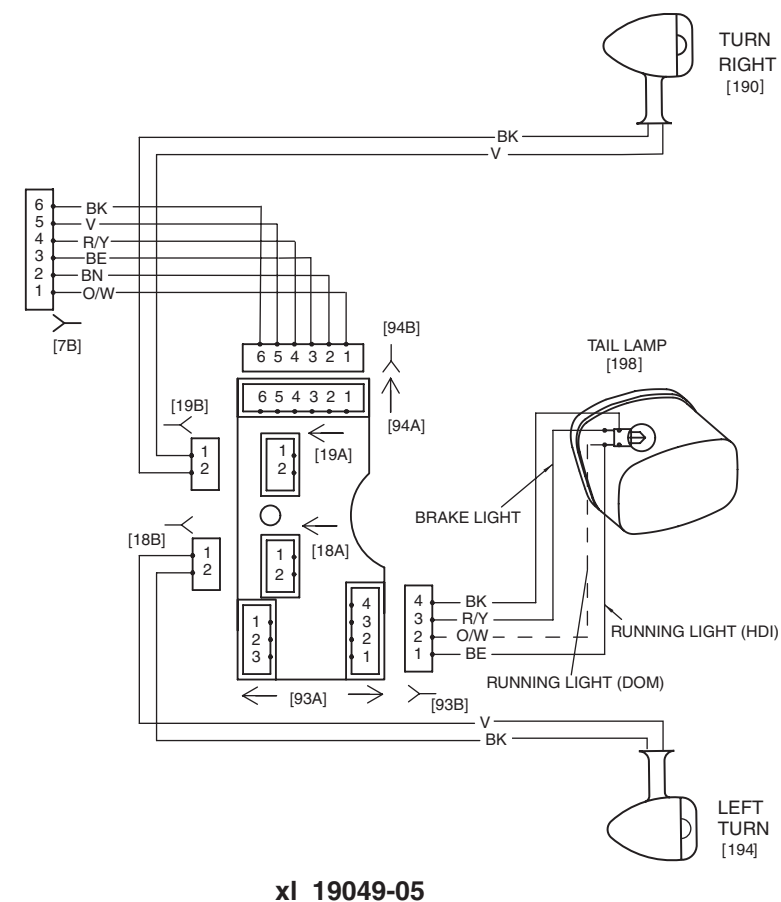
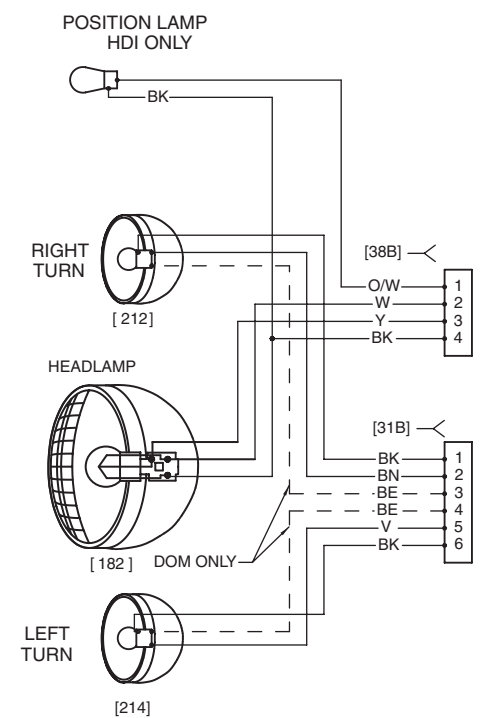
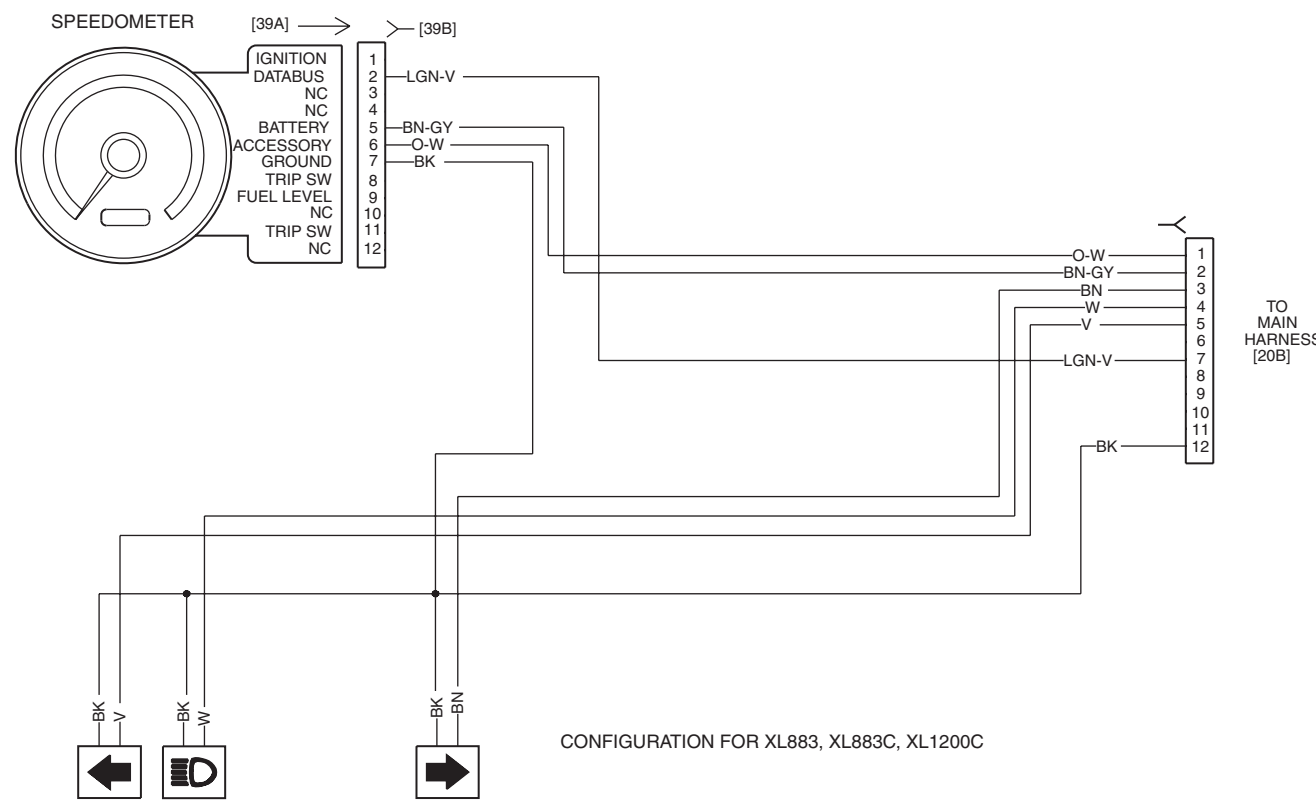
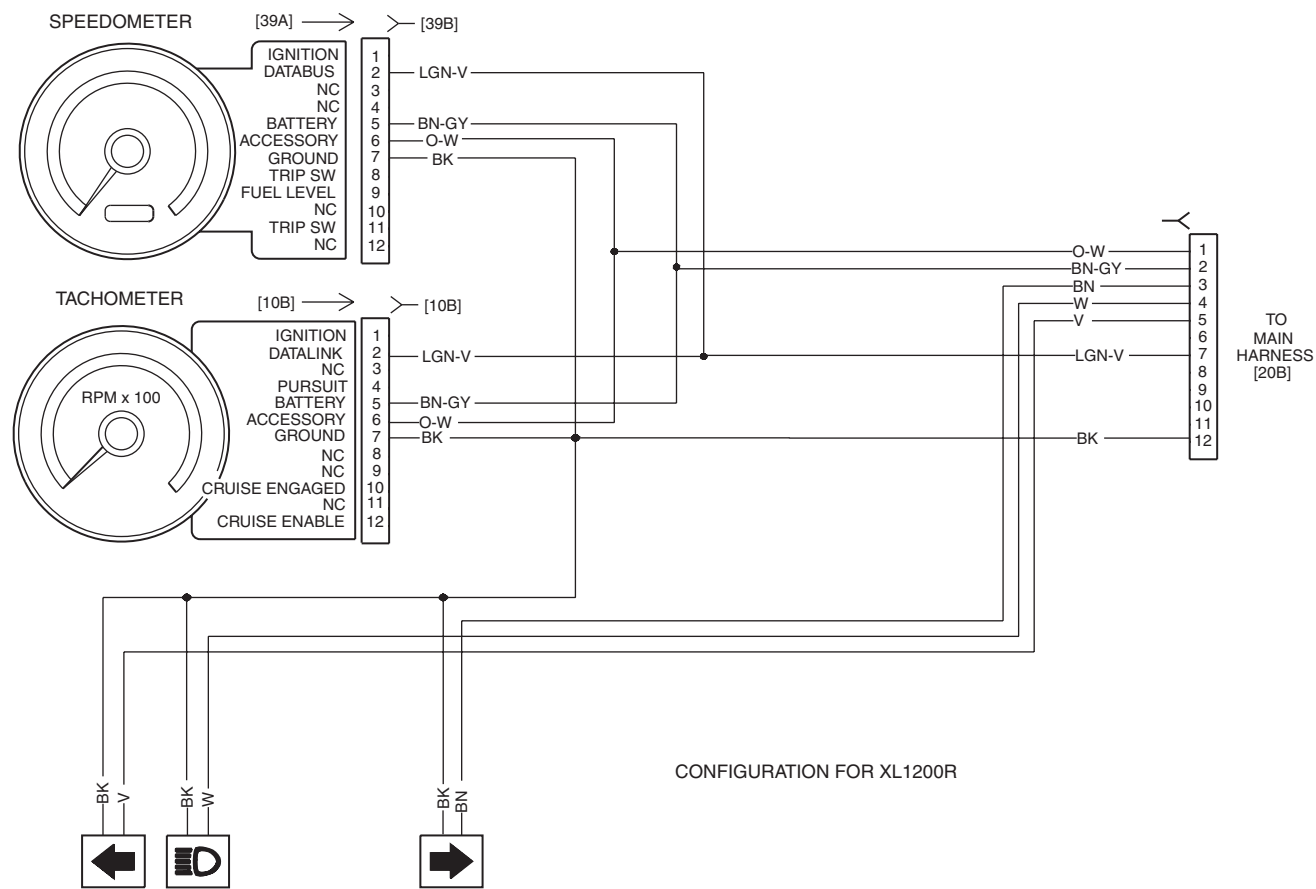
CHARGING

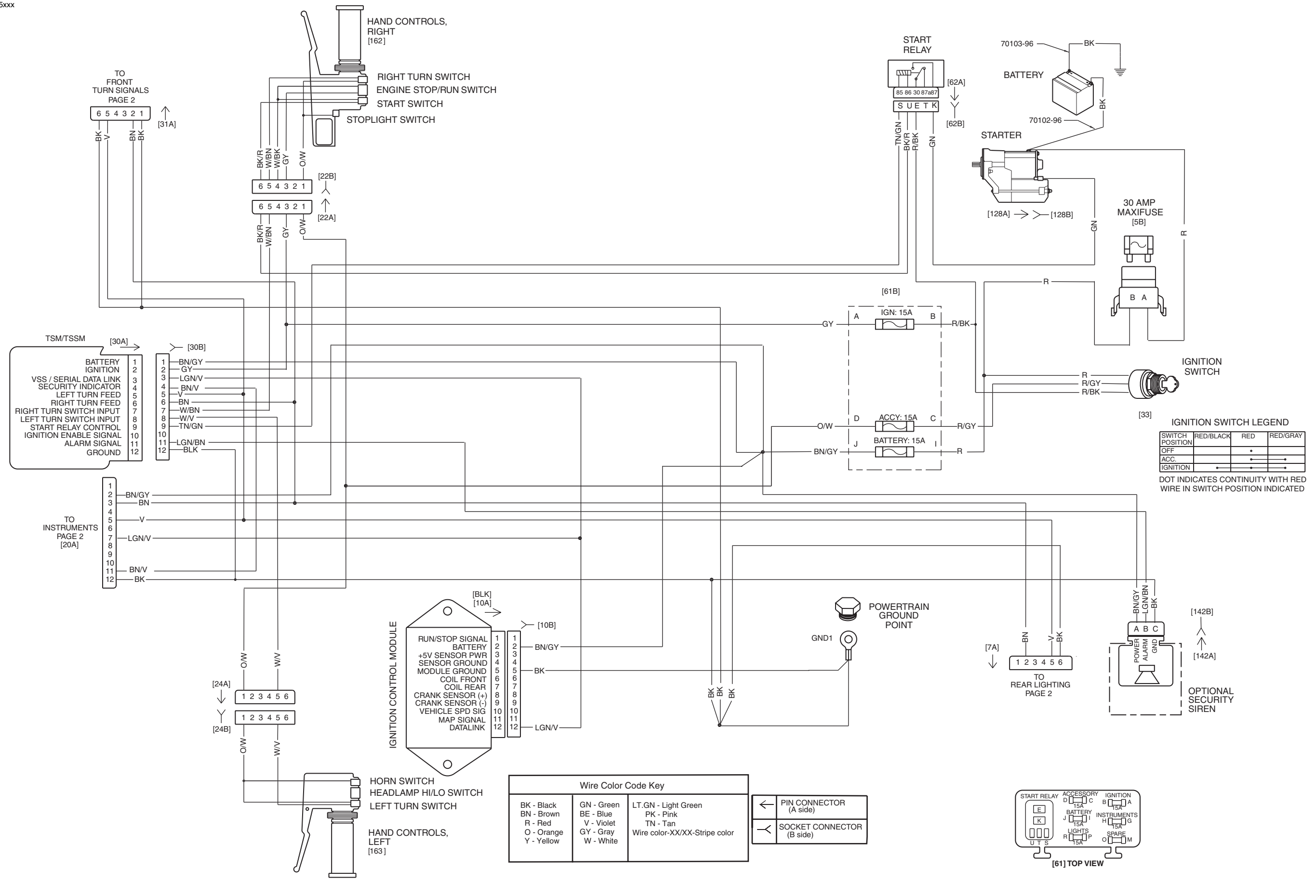


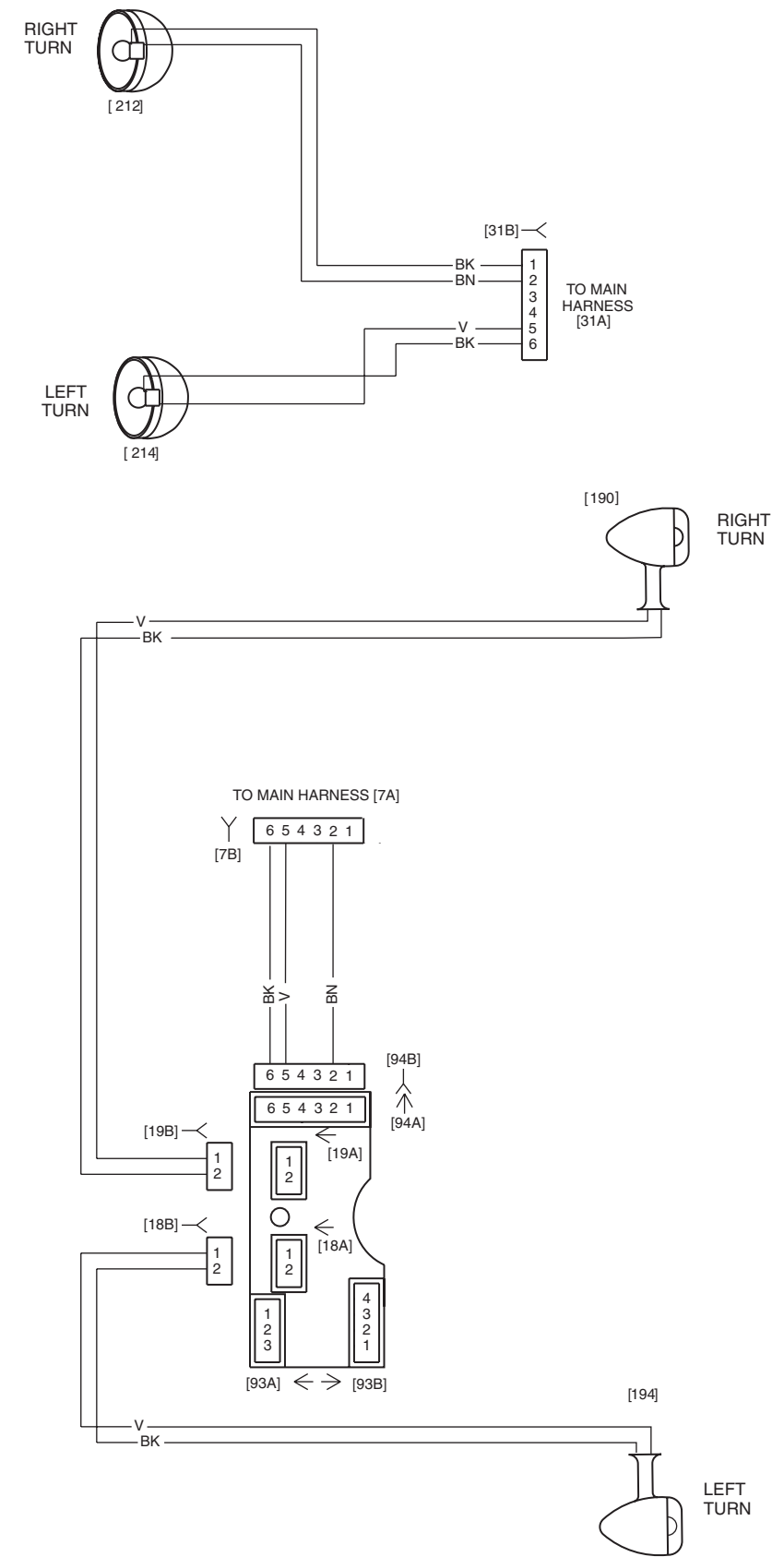
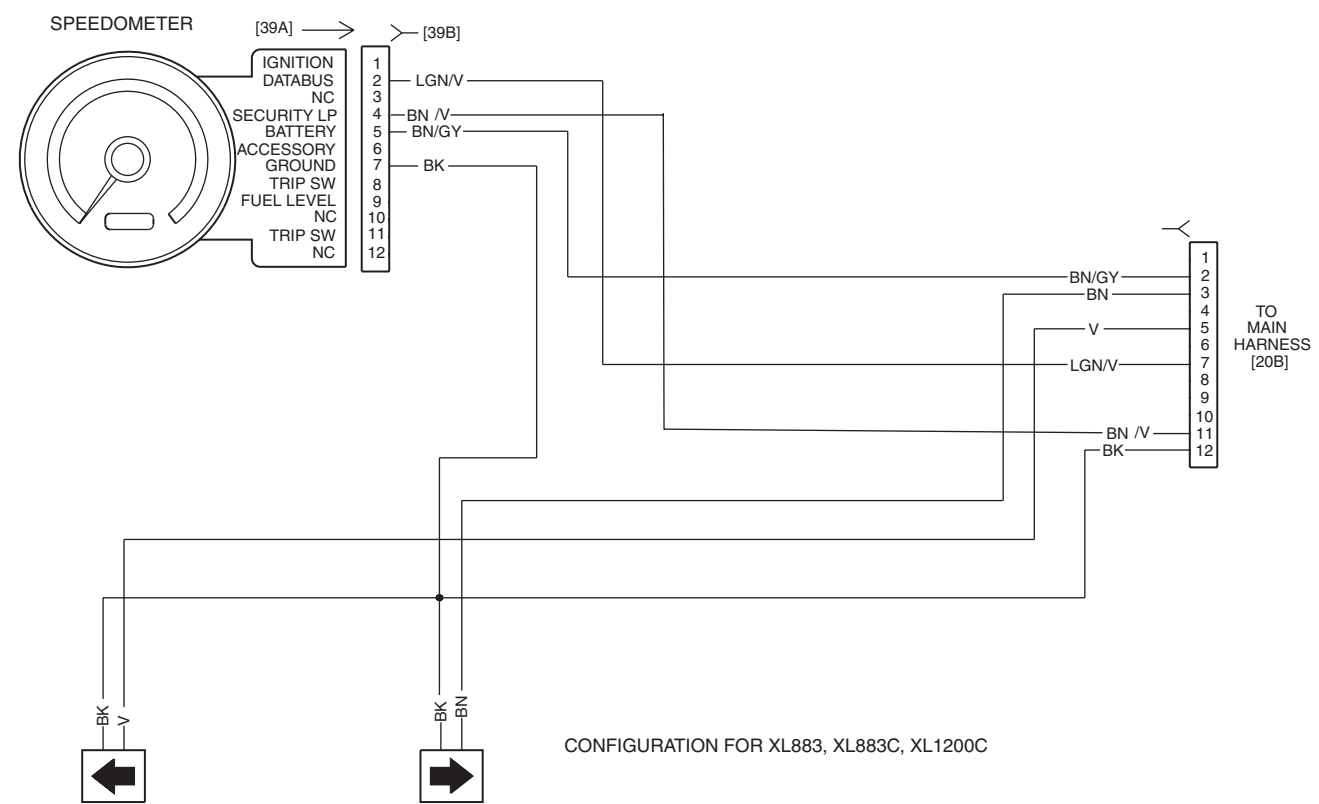
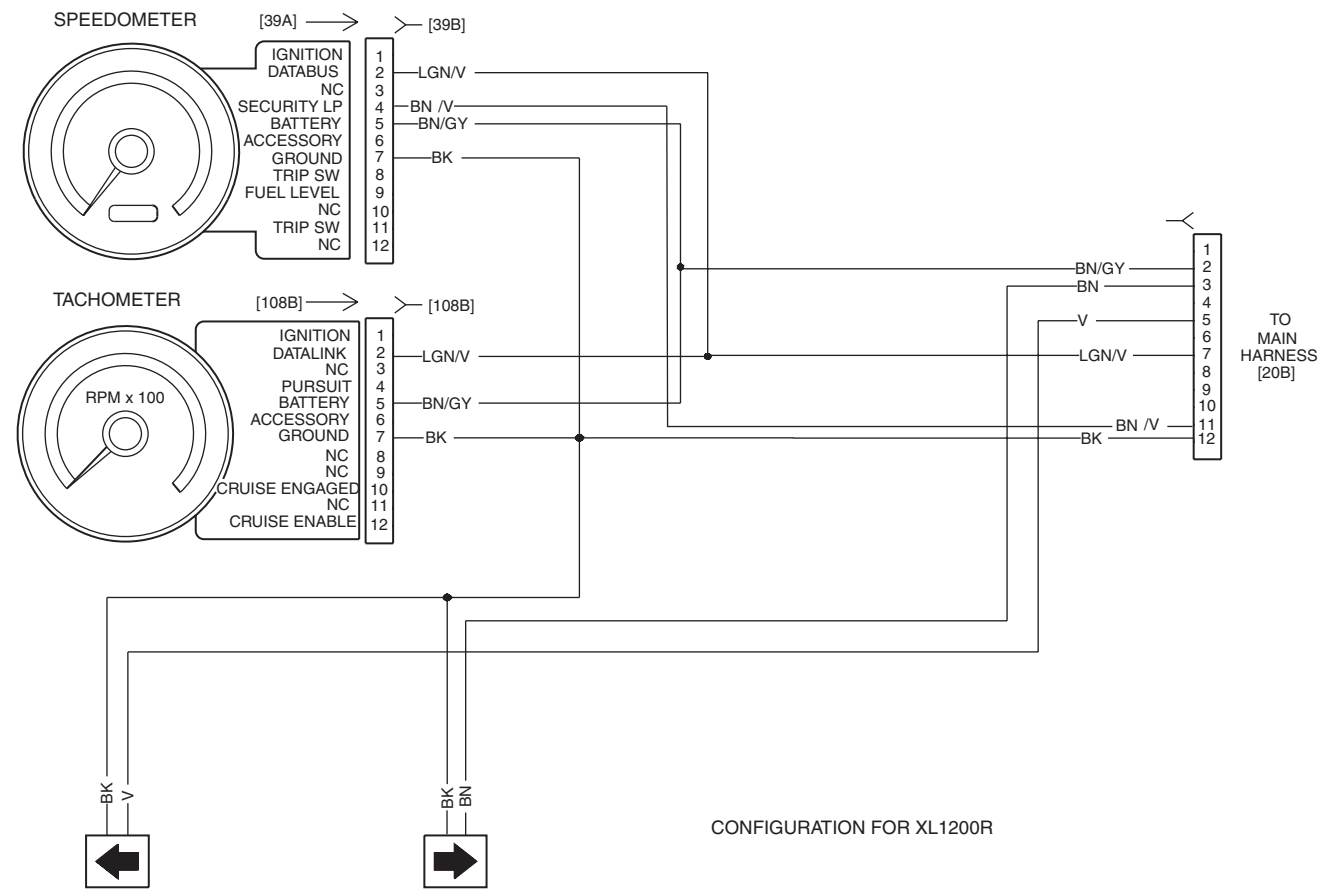


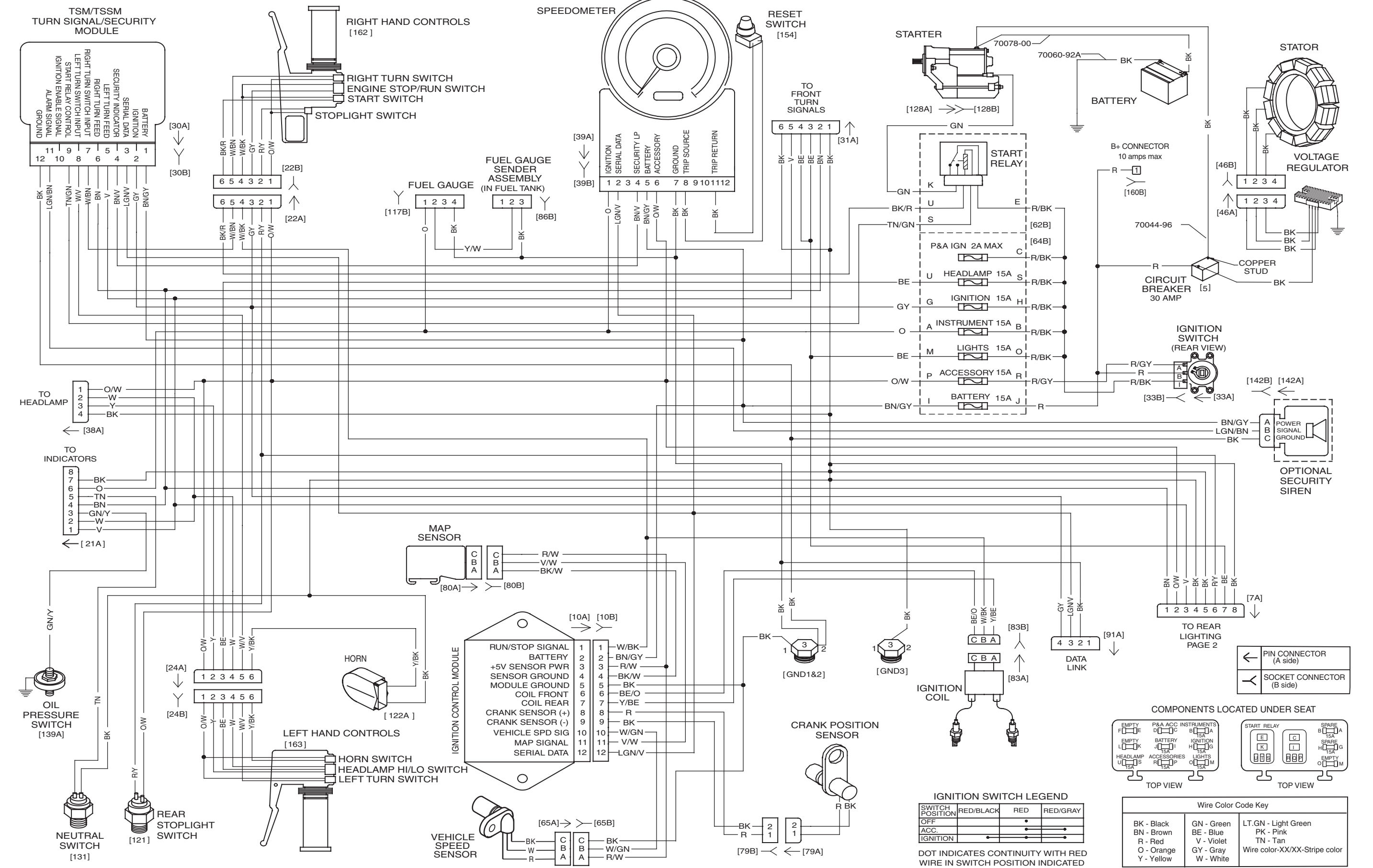
Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

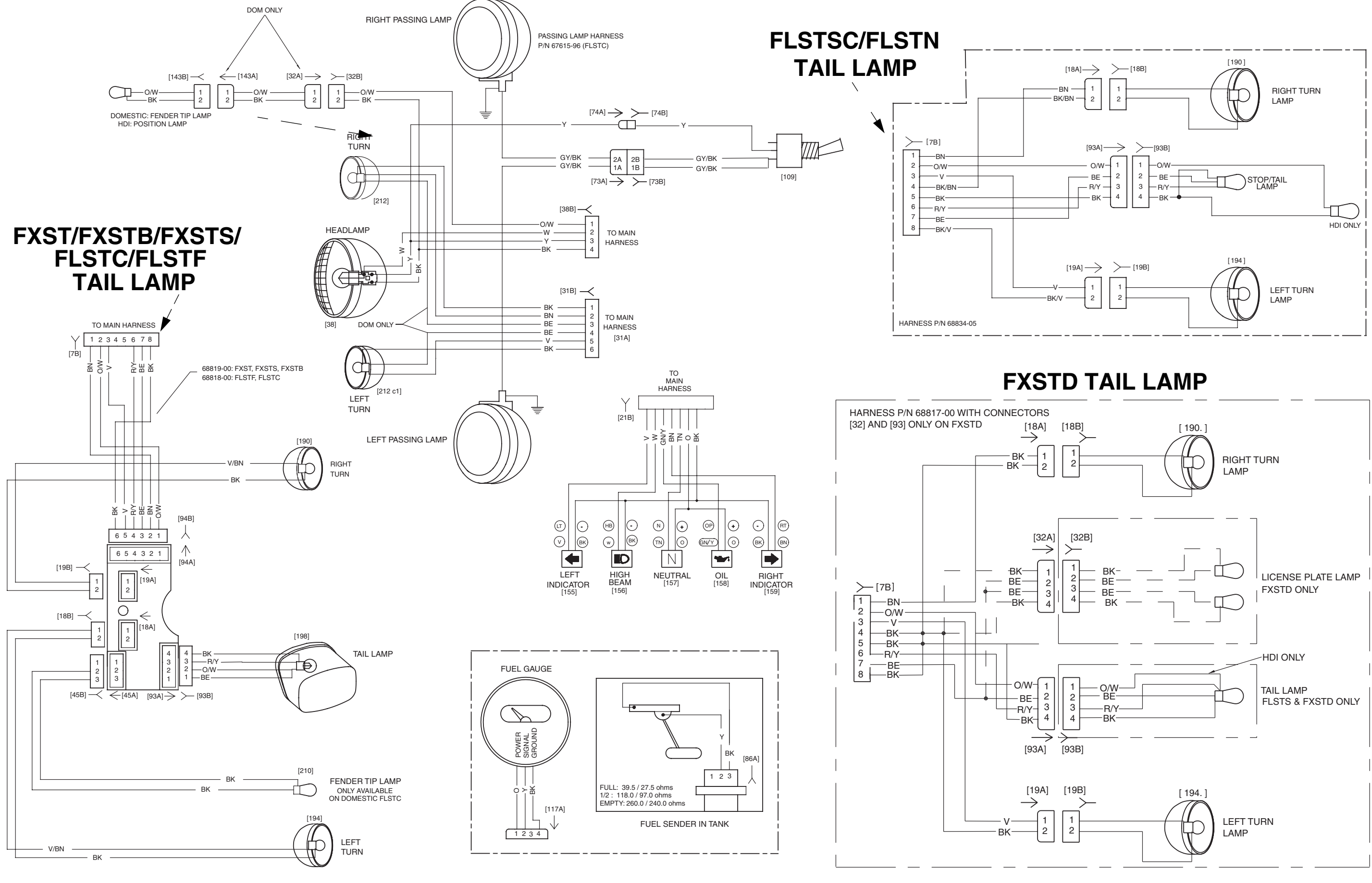
←	PIN CONNECTOR (A side)
↘	SOCKET CONNECTOR (B side)





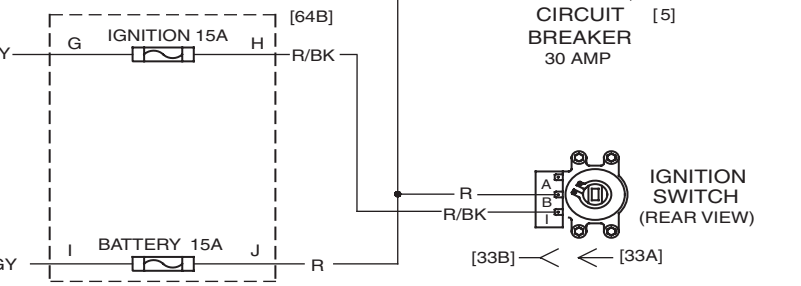
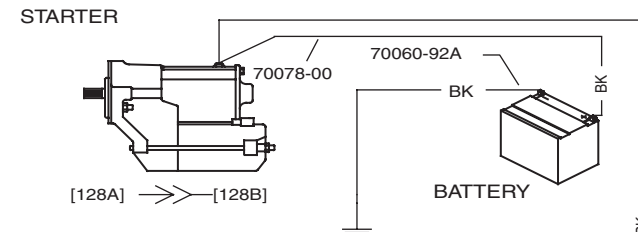
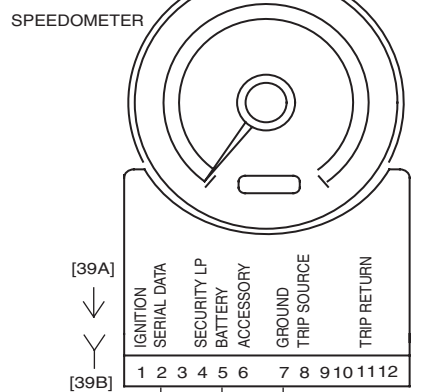
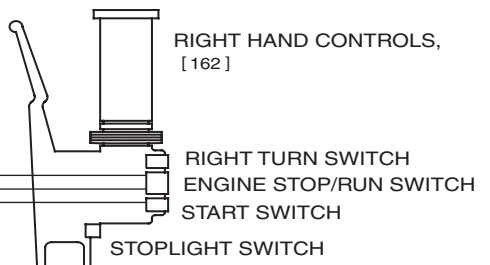
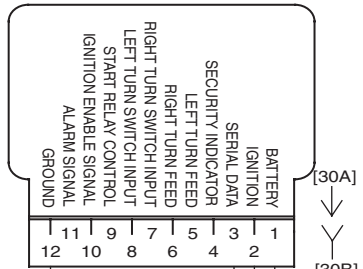






2005 ALL CARBURETED SOFTAIL DOM. and INT. MODELS: LIGHTS, FUEL GAUGE & INDICATORS

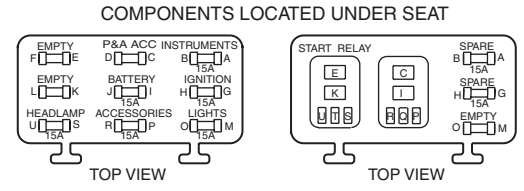
**TSM/TSSM
TURN SIGNAL/SECURITY
MODULE**



IGNITION SWITCH LEGEND

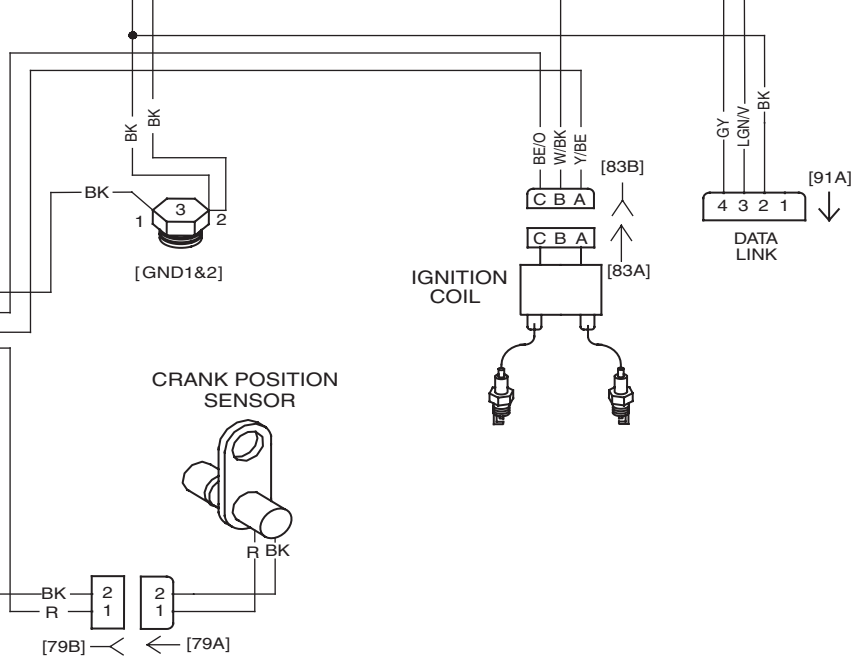
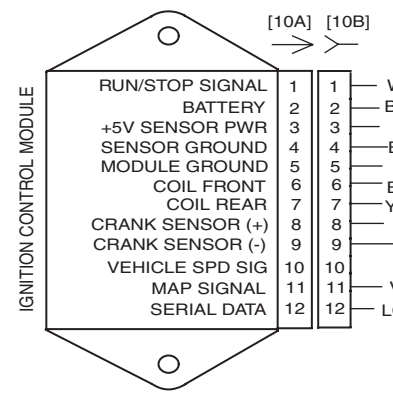
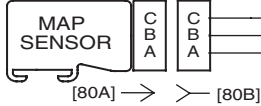
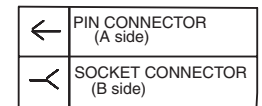
SWITCH POSITION	RED/BLACK	RED	RED/GRAY
OFF		•	
ACC.	•		
IGNITION		•	•

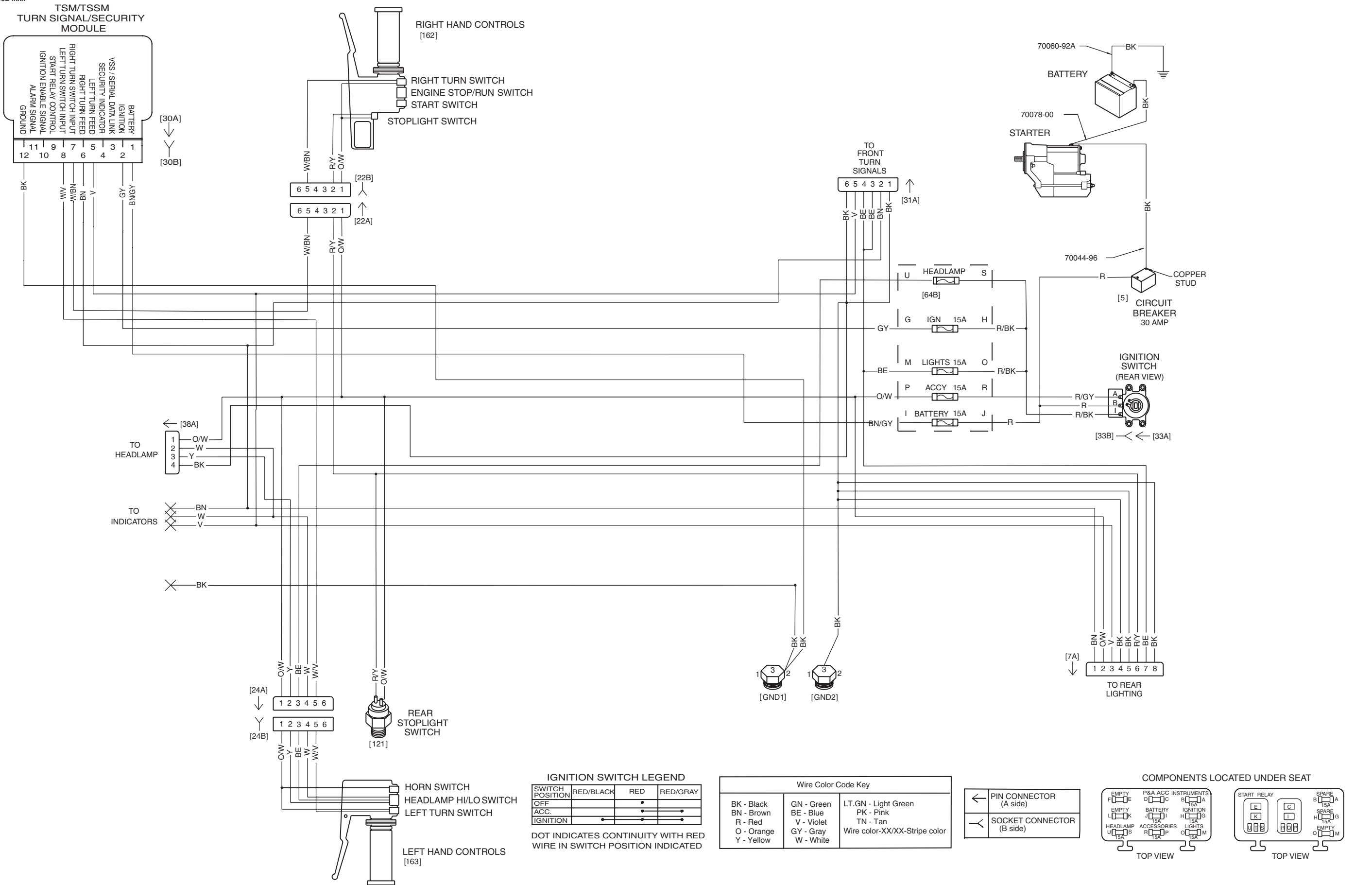
DOT INDICATES CONTINUITY WITH RED WIRE IN SWITCH POSITION INDICATED

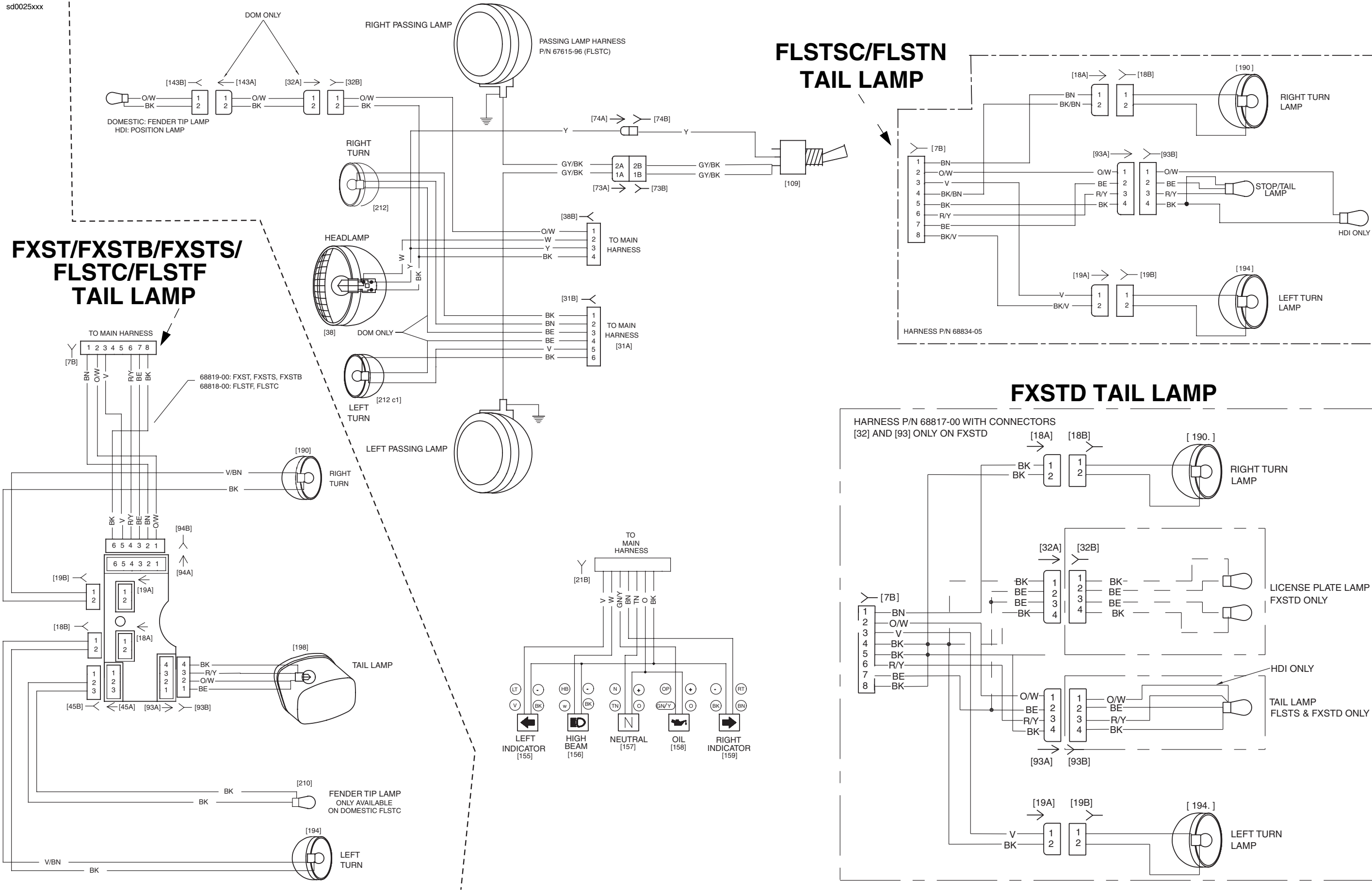


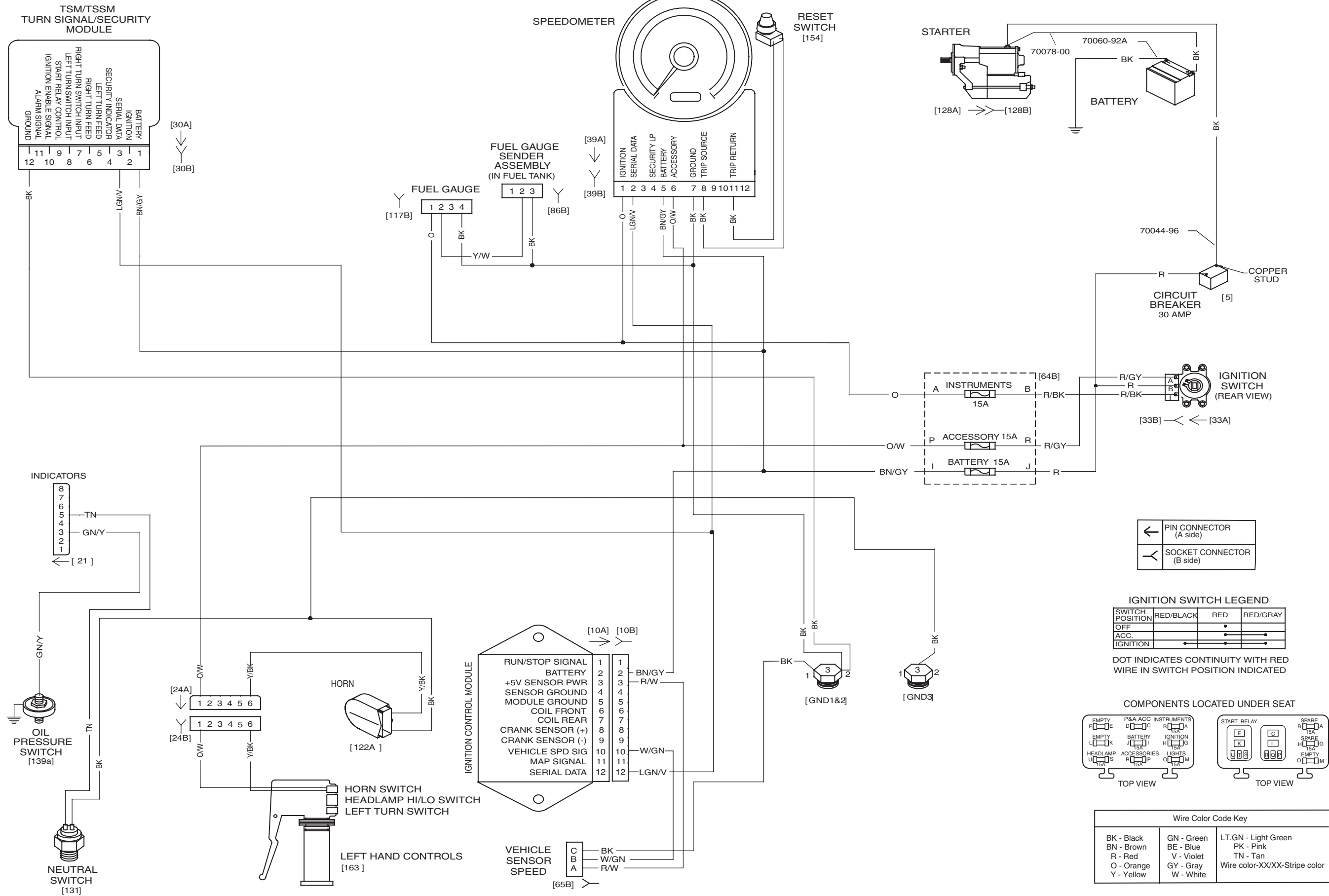
Wire Color Code Key

BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	



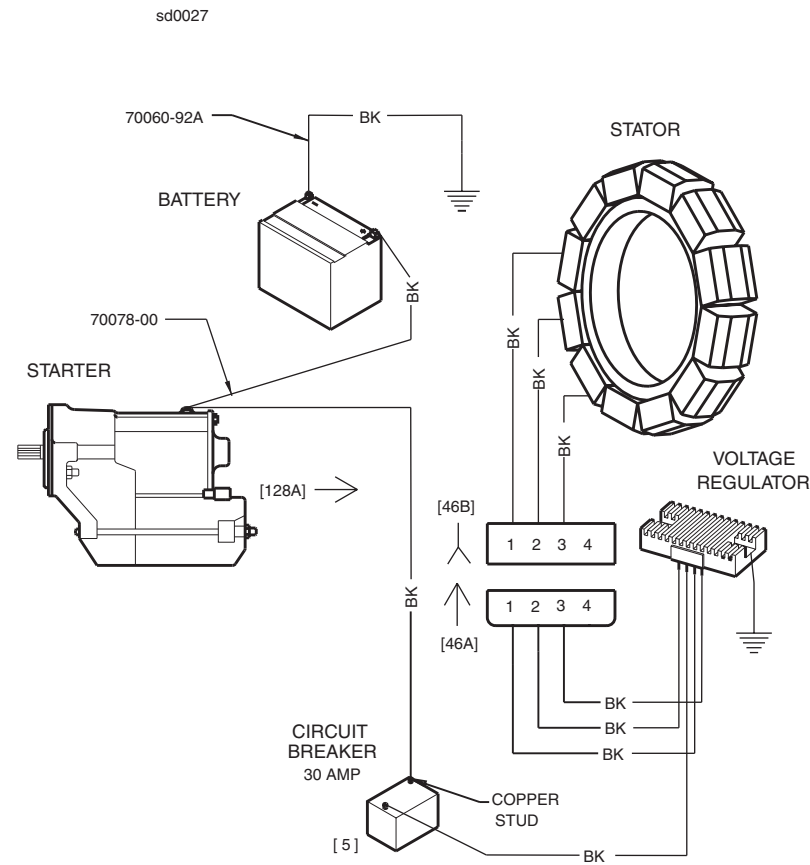




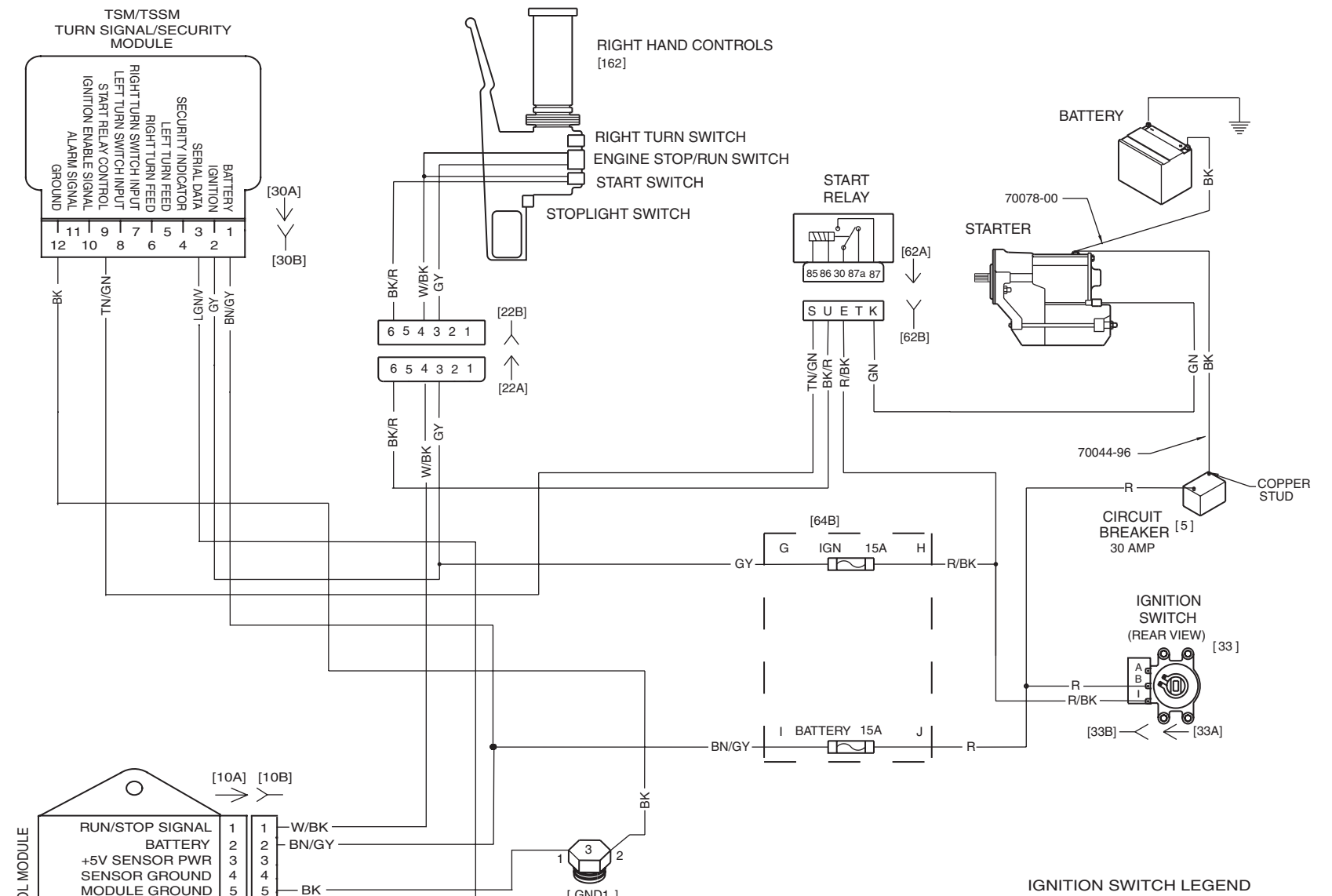


2005 ALL CARBURETED SOFTAIL DOM. and INT. MODELS, HORN & INSTRUMENTS

CHARGING CIRCUIT



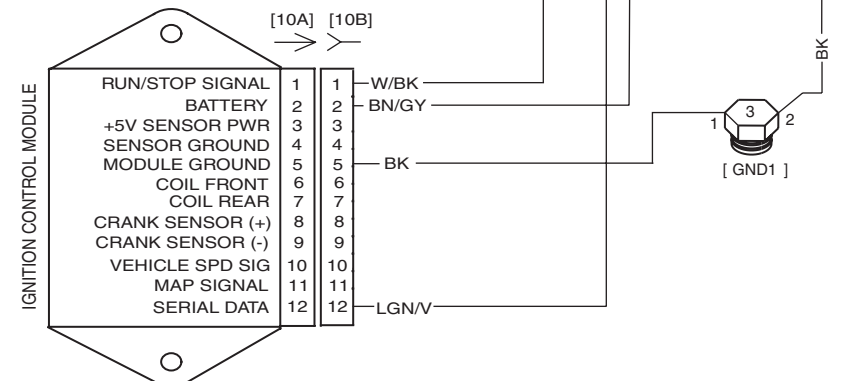
STARTING CIRCUIT



IGNITION SWITCH LEGEND

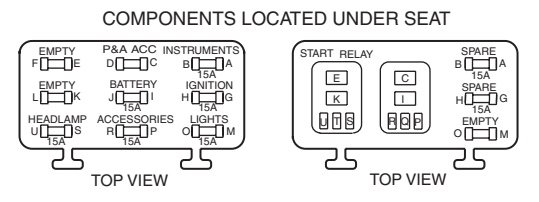
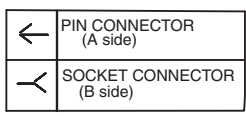
SWITCH POSITION	RED/BLACK	RED	RED/GRAY
OFF		•	
ACC.	•	•	
IGNITION	•	•	•

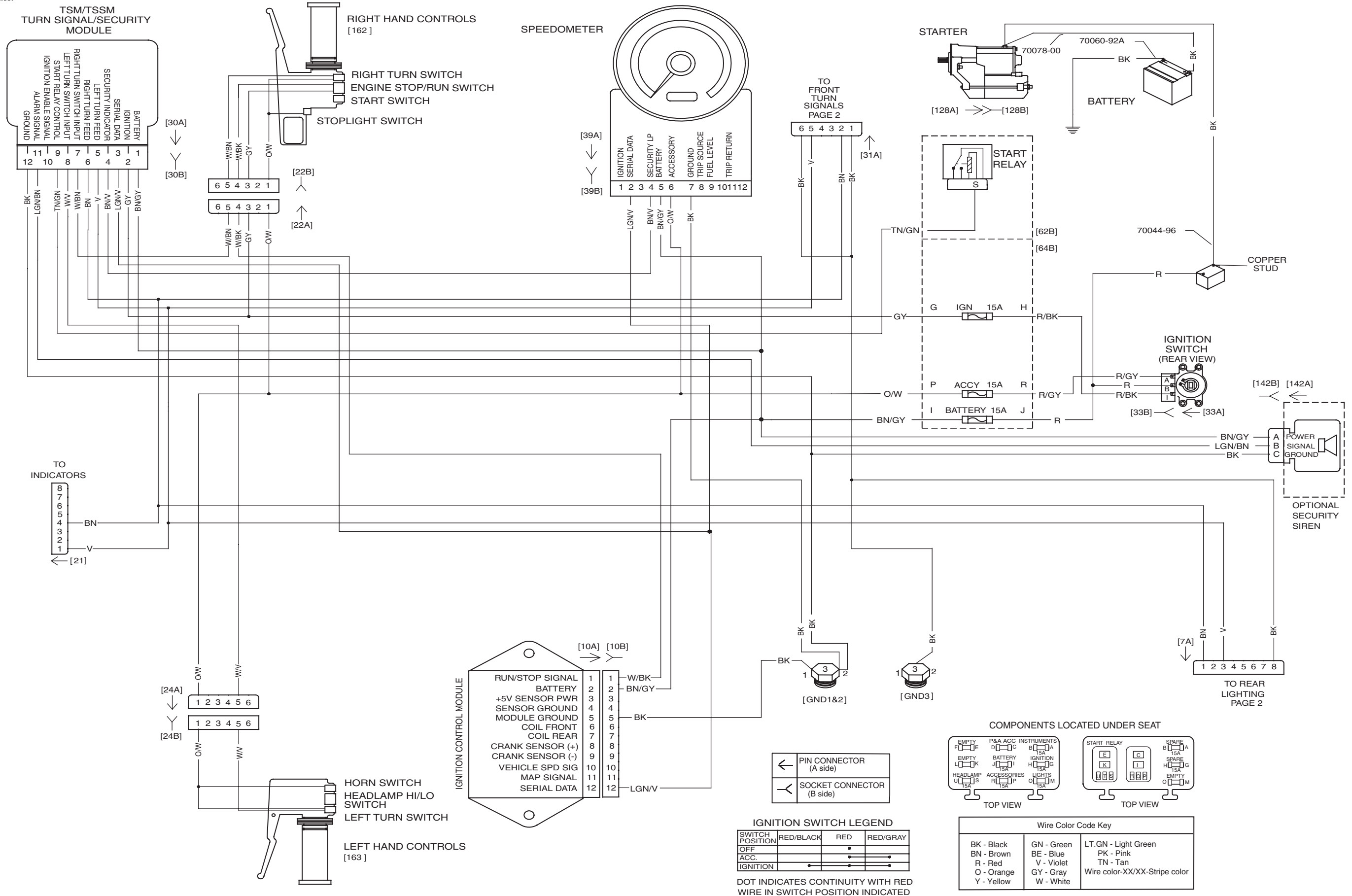
DOT INDICATES CONTINUITY WITH RED WIRE IN SWITCH POSITION INDICATED



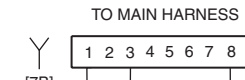
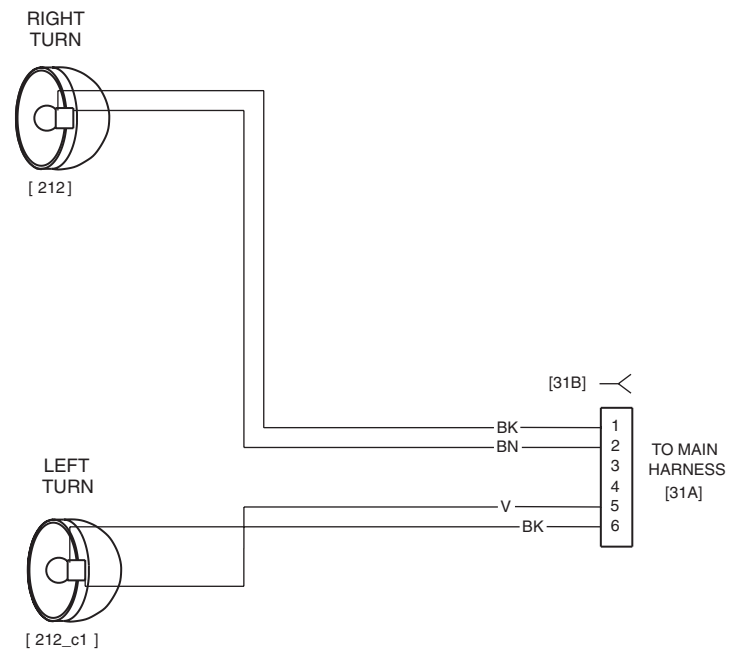
Wire Color Code Key

BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

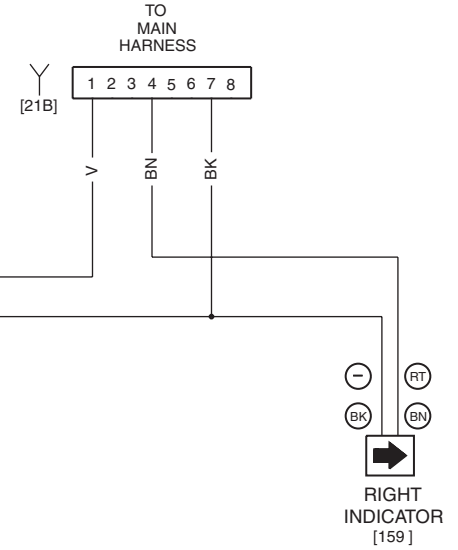
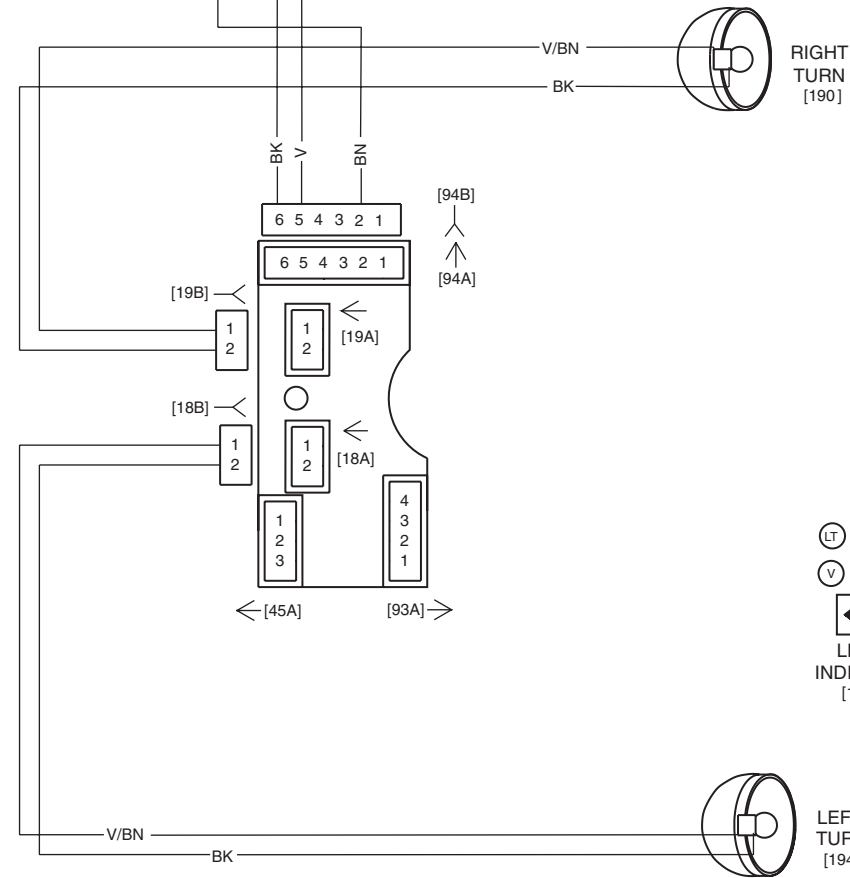




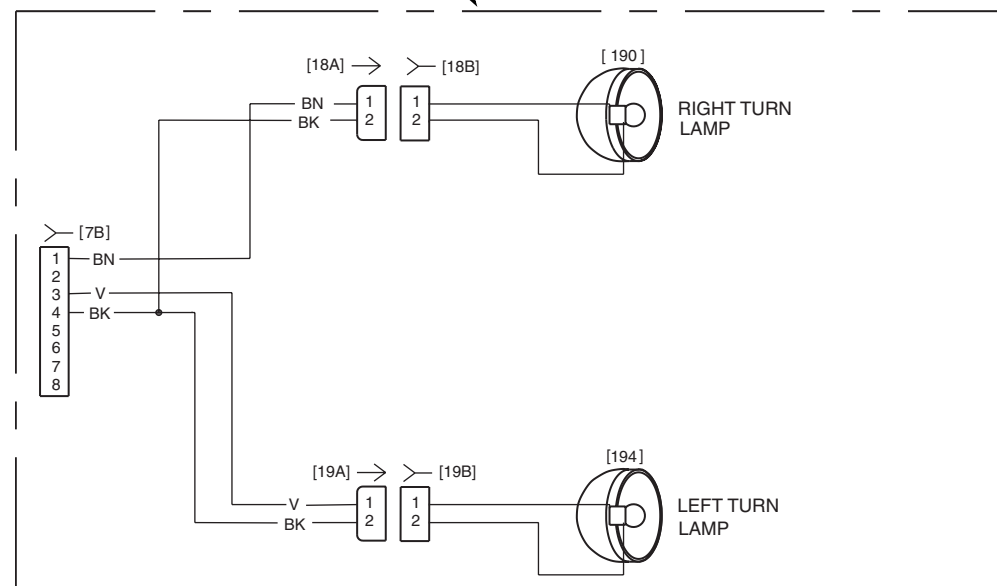
FXST/FXSTB/FXSTS/ FLSTC/FLSTF TAIL LAMP



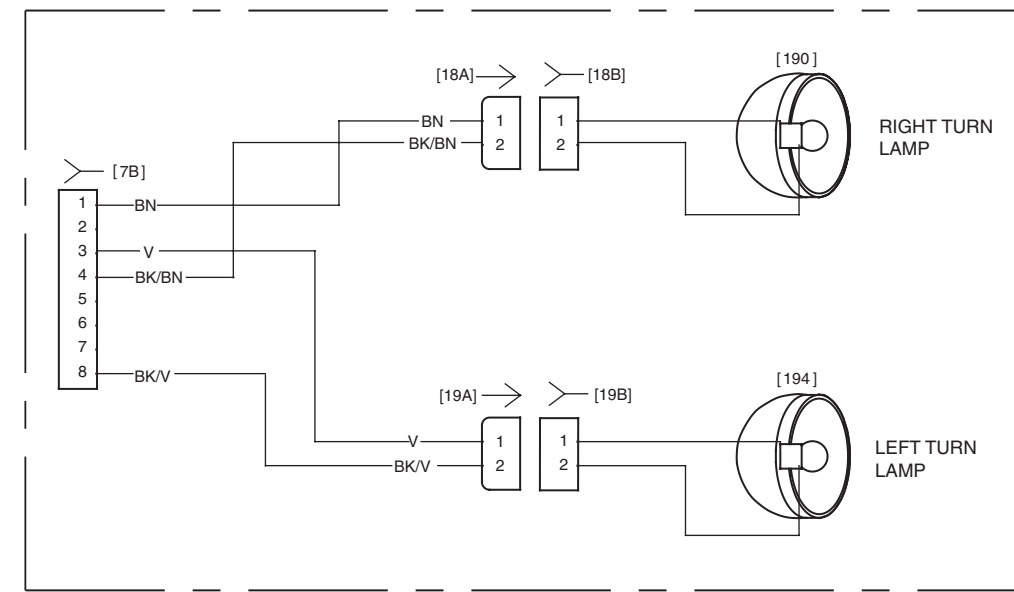
P/N 68818-00 - FLSTC/F
P/N 68819-00 - FXST/S/B
HARNESS P/N 68818-00 IS SHOWN
IN THIS WIRING DIAGRAM. HARNESS
P/N 68819-00 IS SIMILAR, BUT, THE
VIOLET AND BROWN WIRES IN
CONNECTOR [94B] ARE TRANSPOSED.

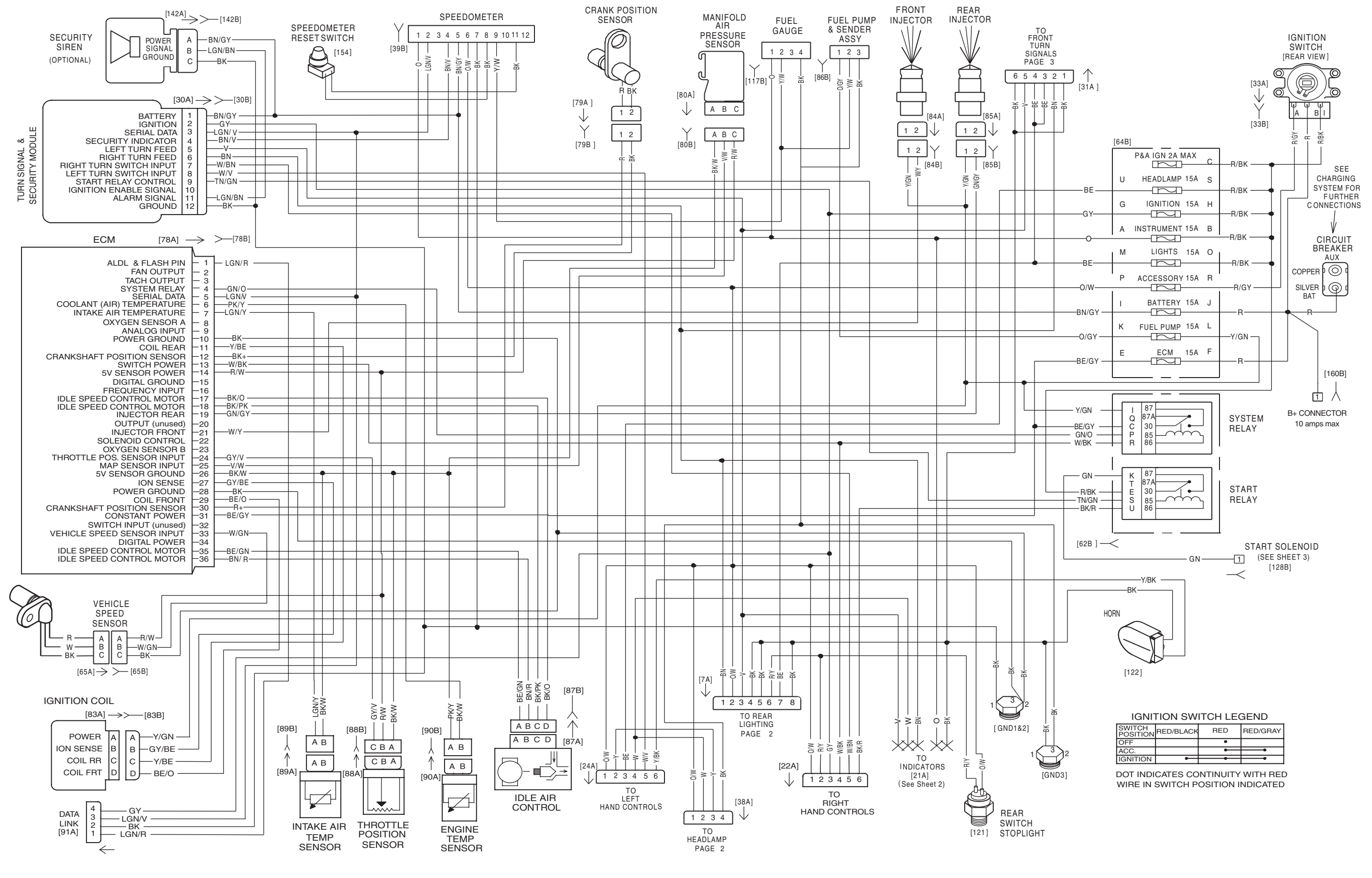


FLSTSC/FLSTN TAIL LAMP

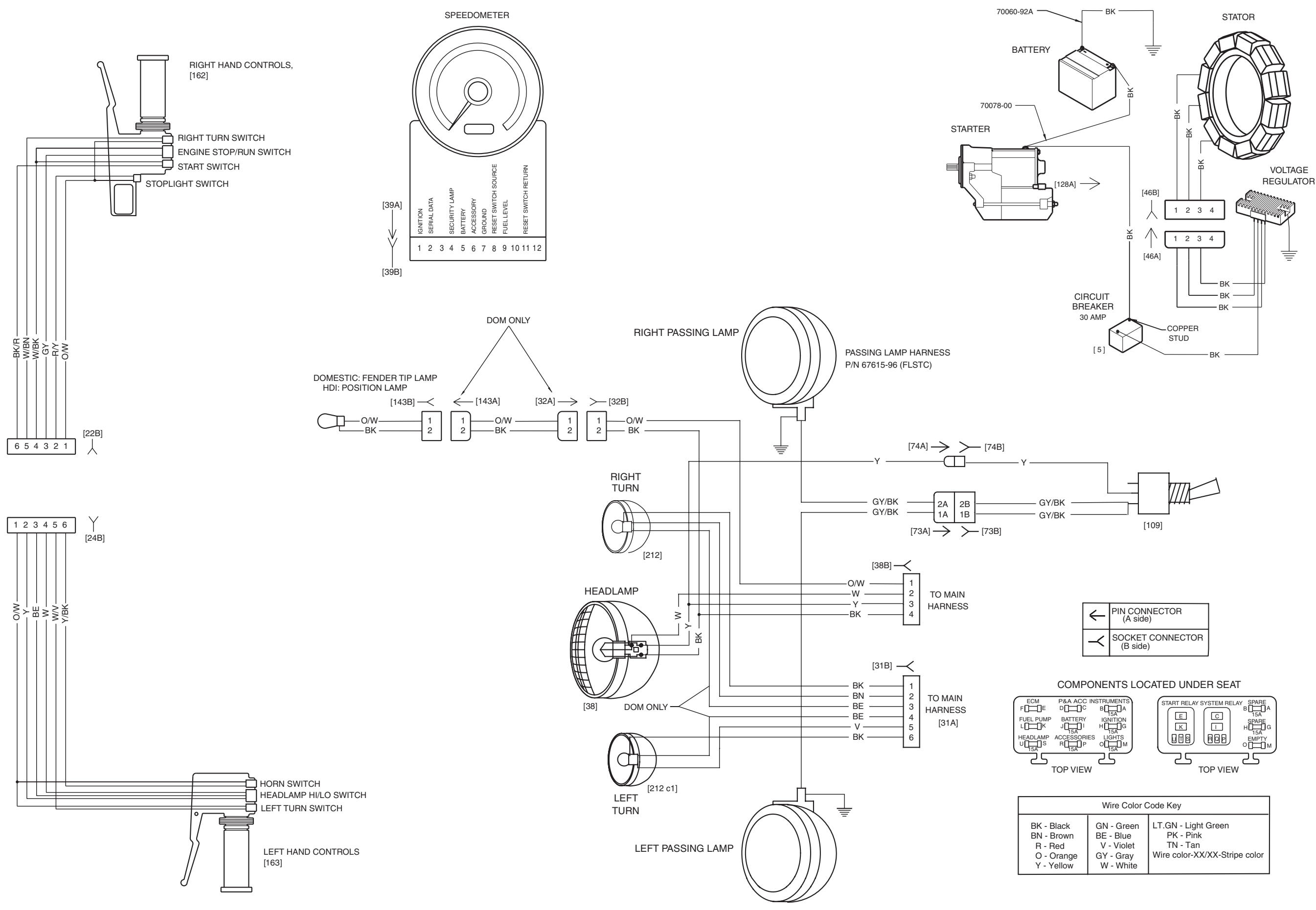


FXSTD TAIL LAMP



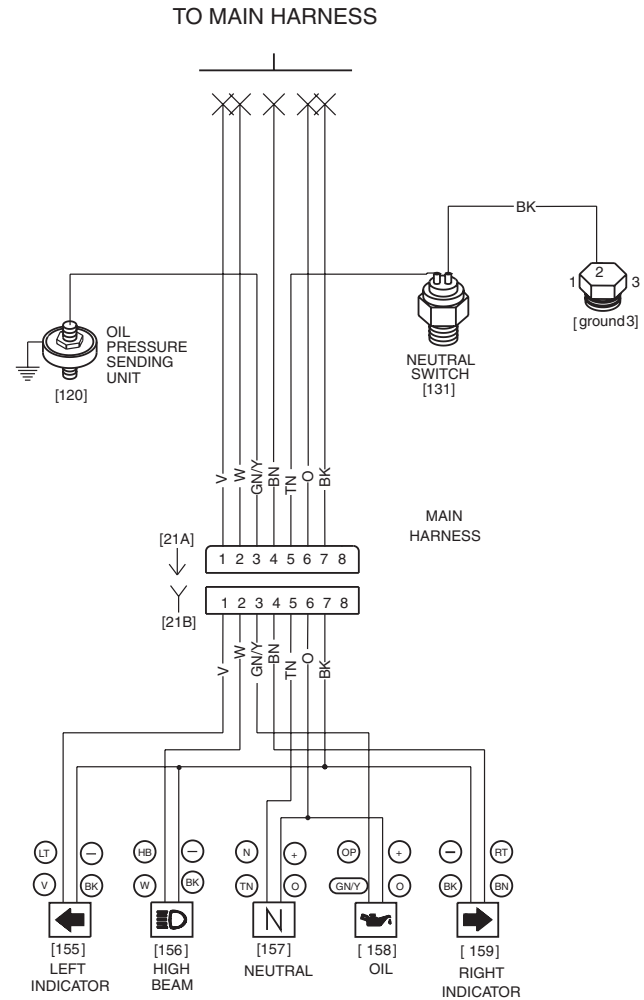
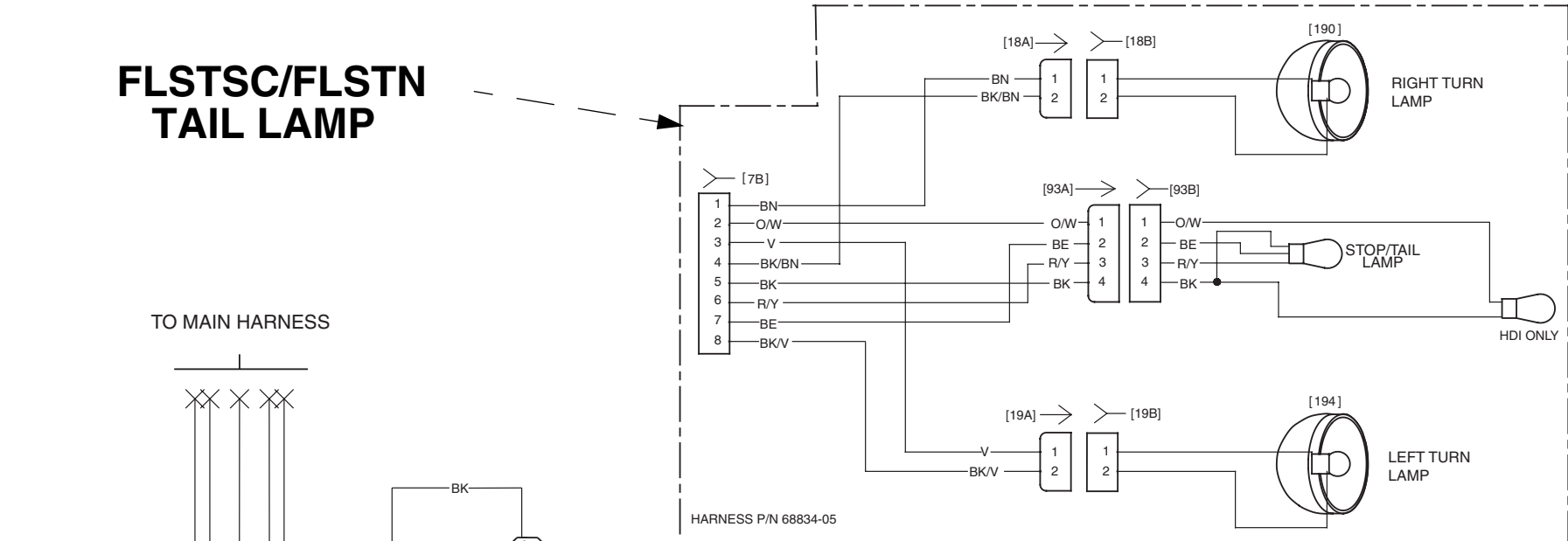


2005 ALL EFI SOFTAIL DOM. and INT. MODELS, MAIN HARNESS: SHEET 1 OF 3

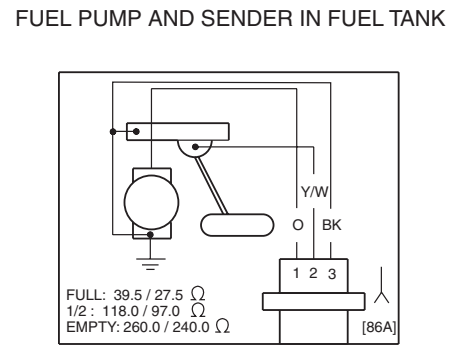
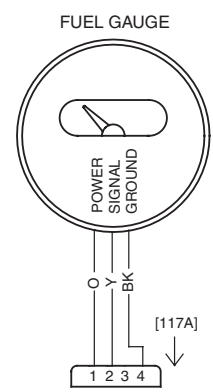
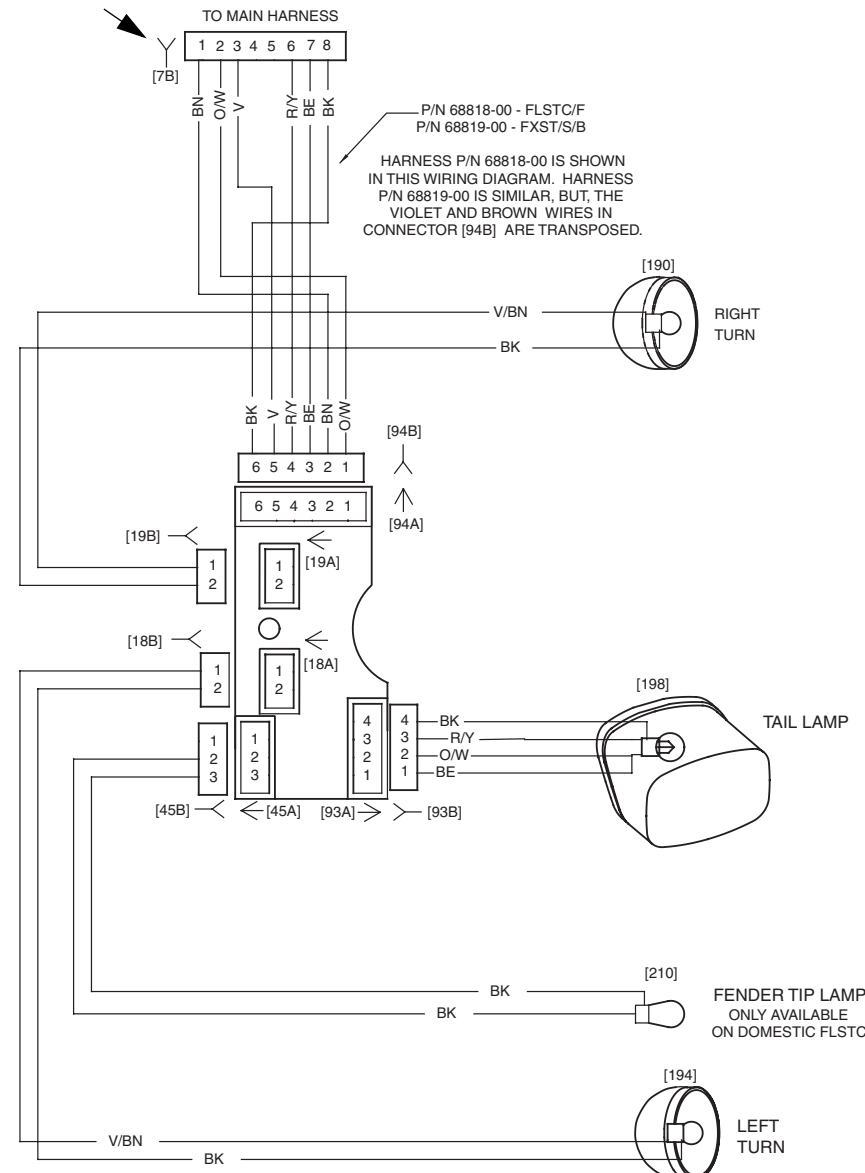
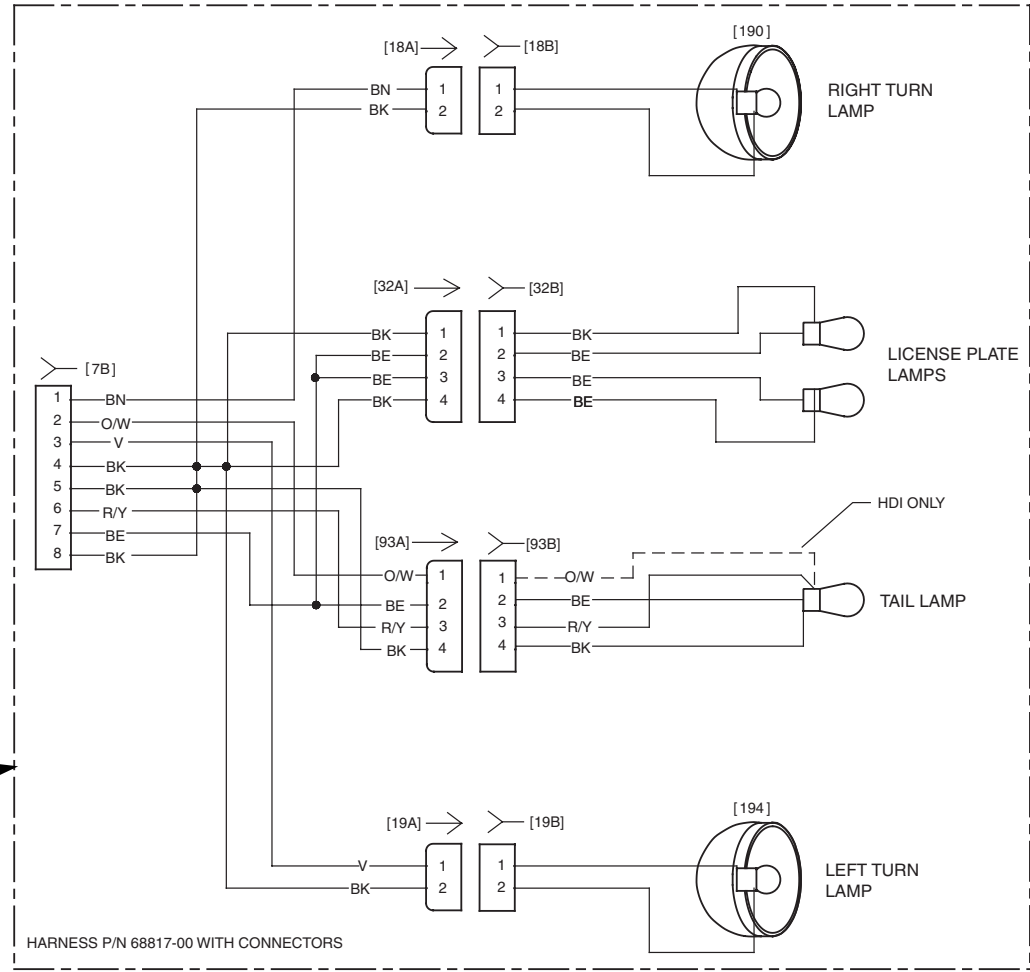


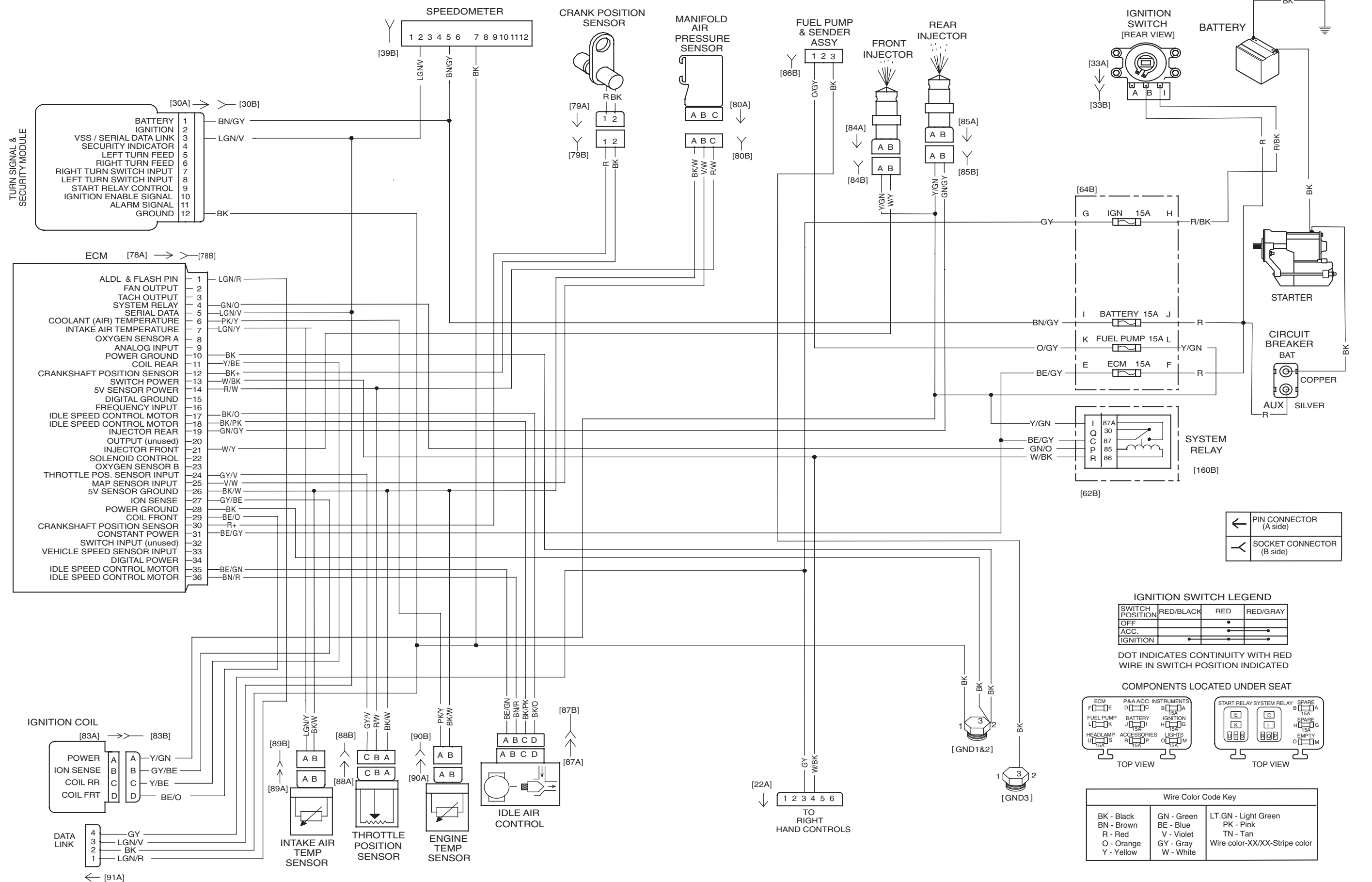
**FXST/FXSTB/FXSTS/FLSTC/FLSTF
TAIL LAMP**

**FLSTSC/FLSTN
TAIL LAMP**

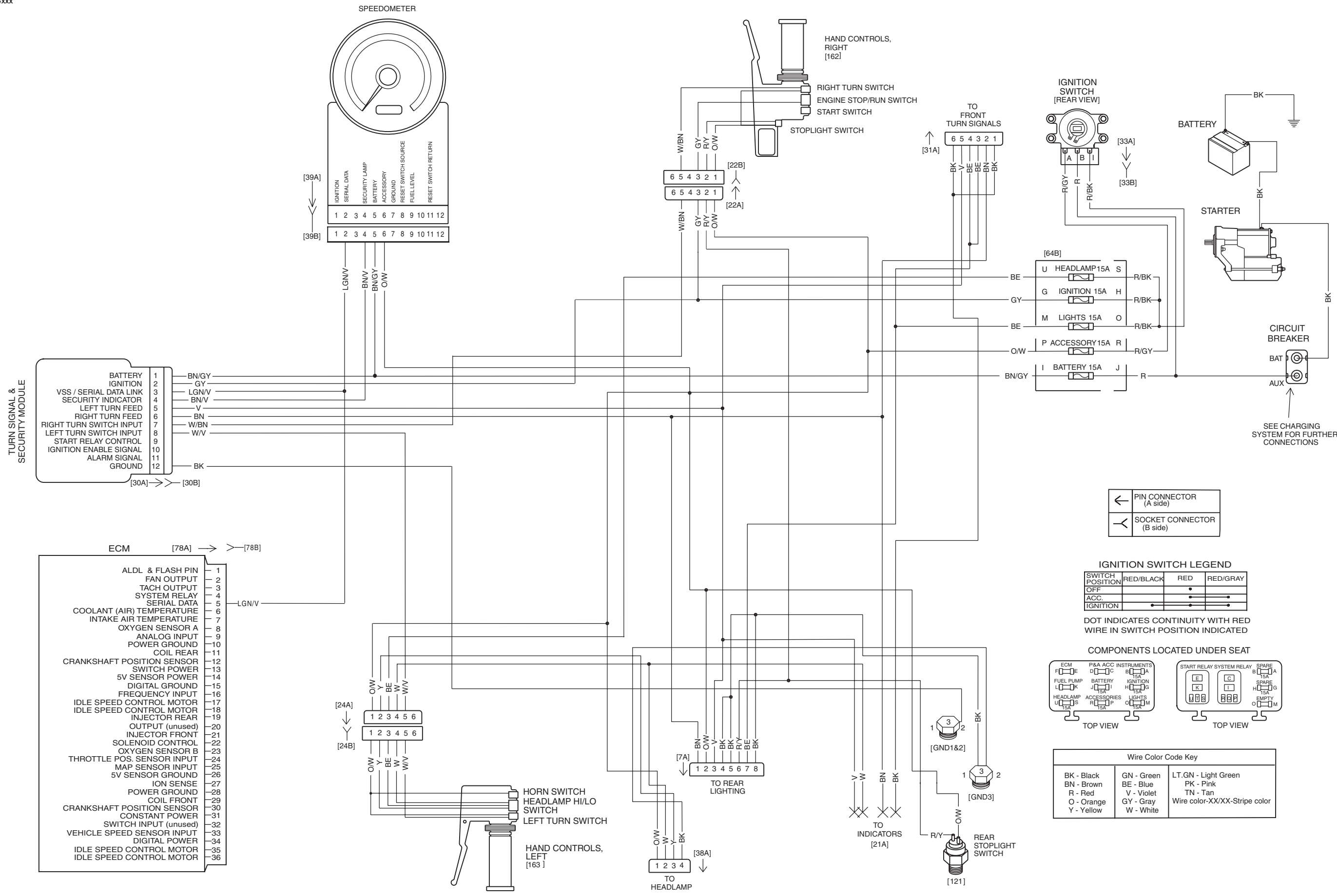


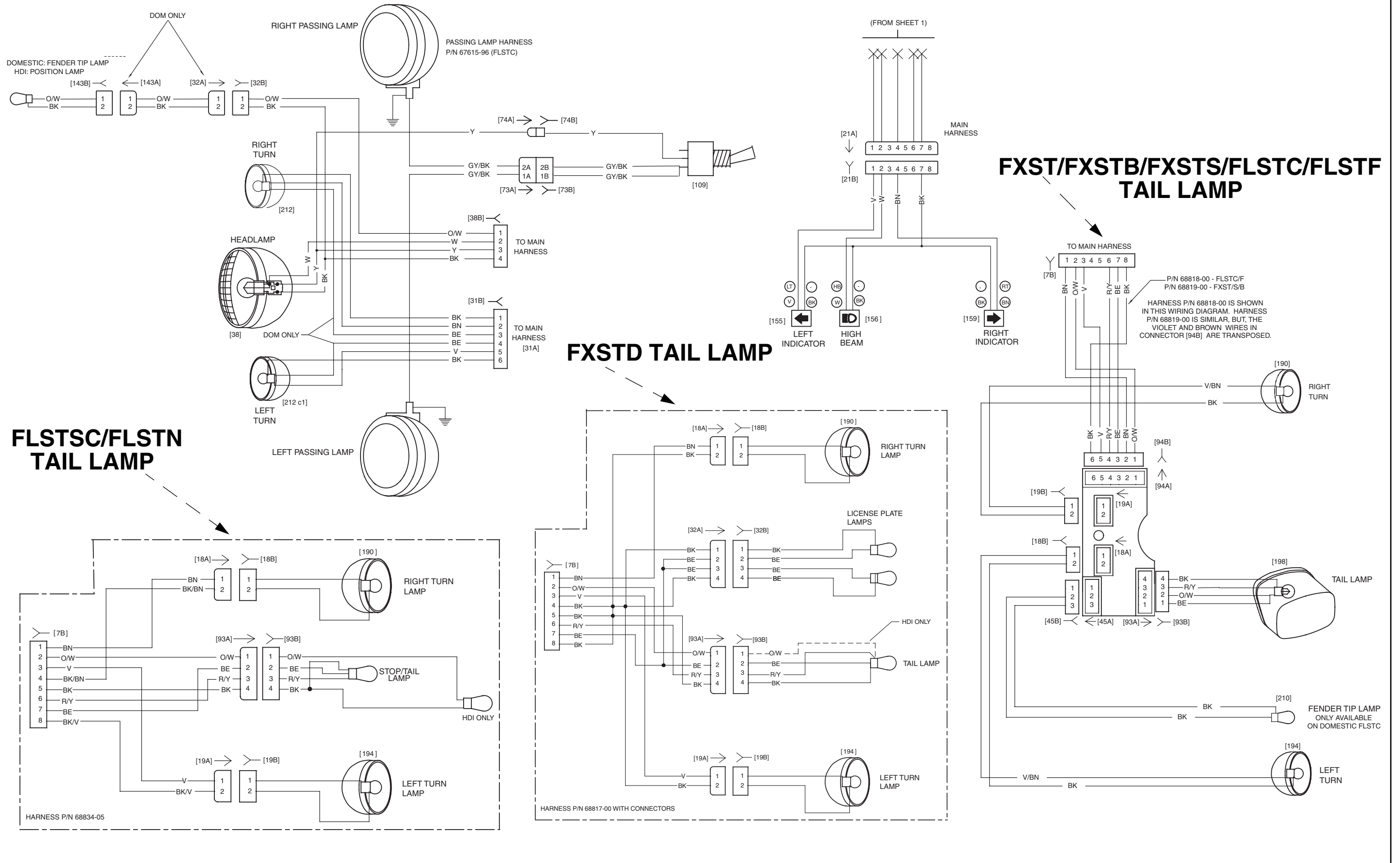
FXSTD TAIL LAMP

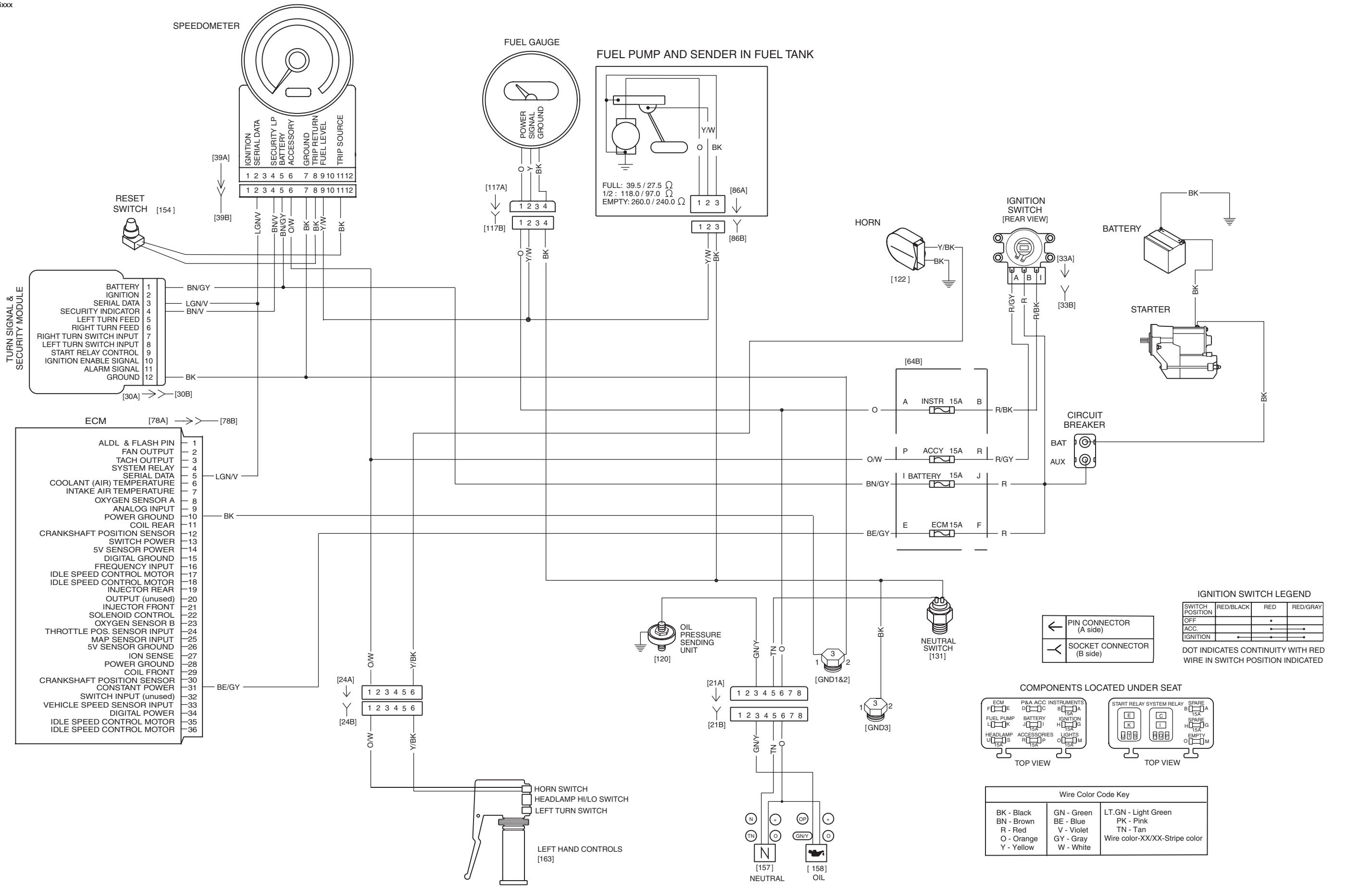


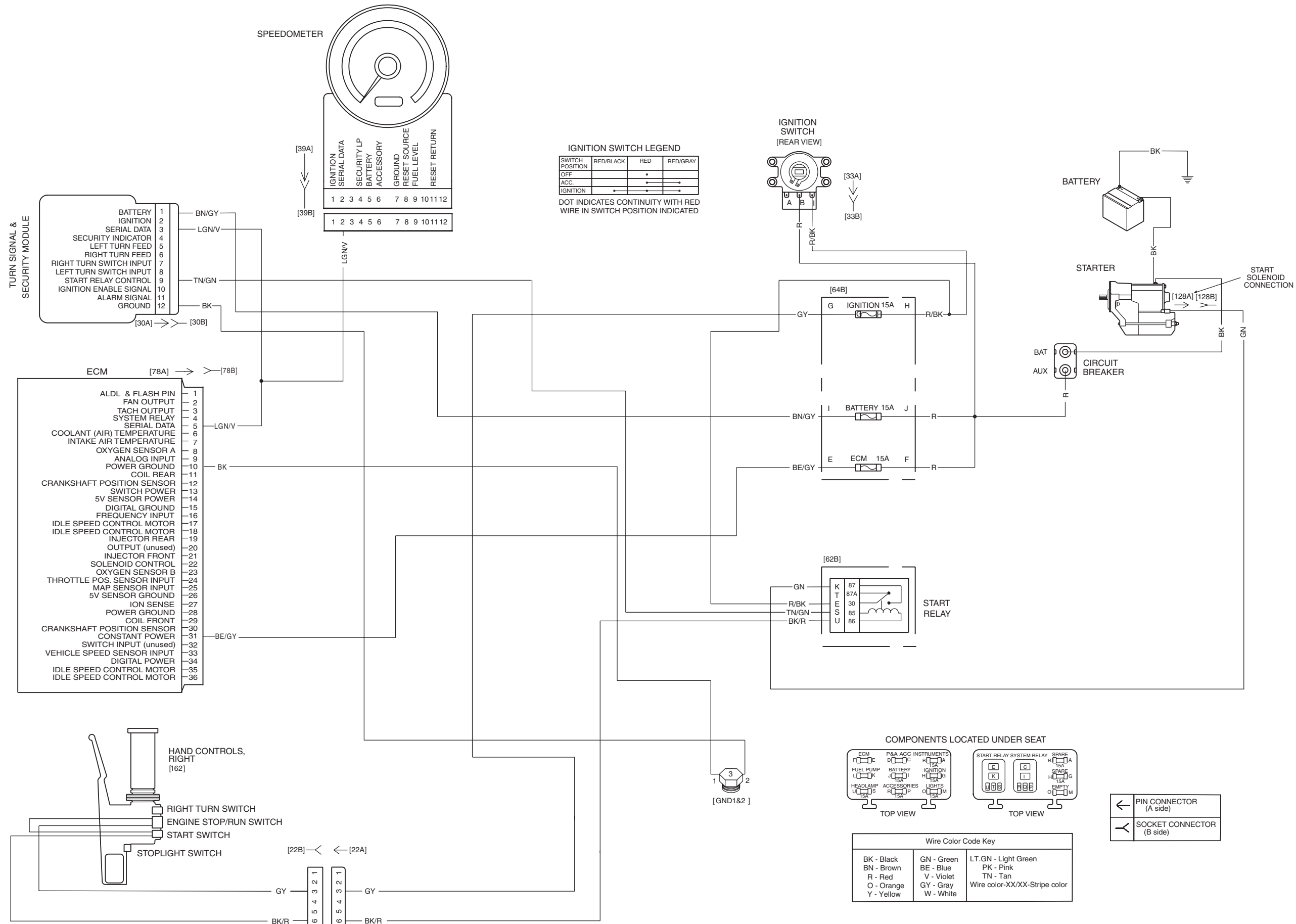


2005 ALL EFI SOFTAIL DOM. and INT. MODELS, IGNITION CIRCUIT

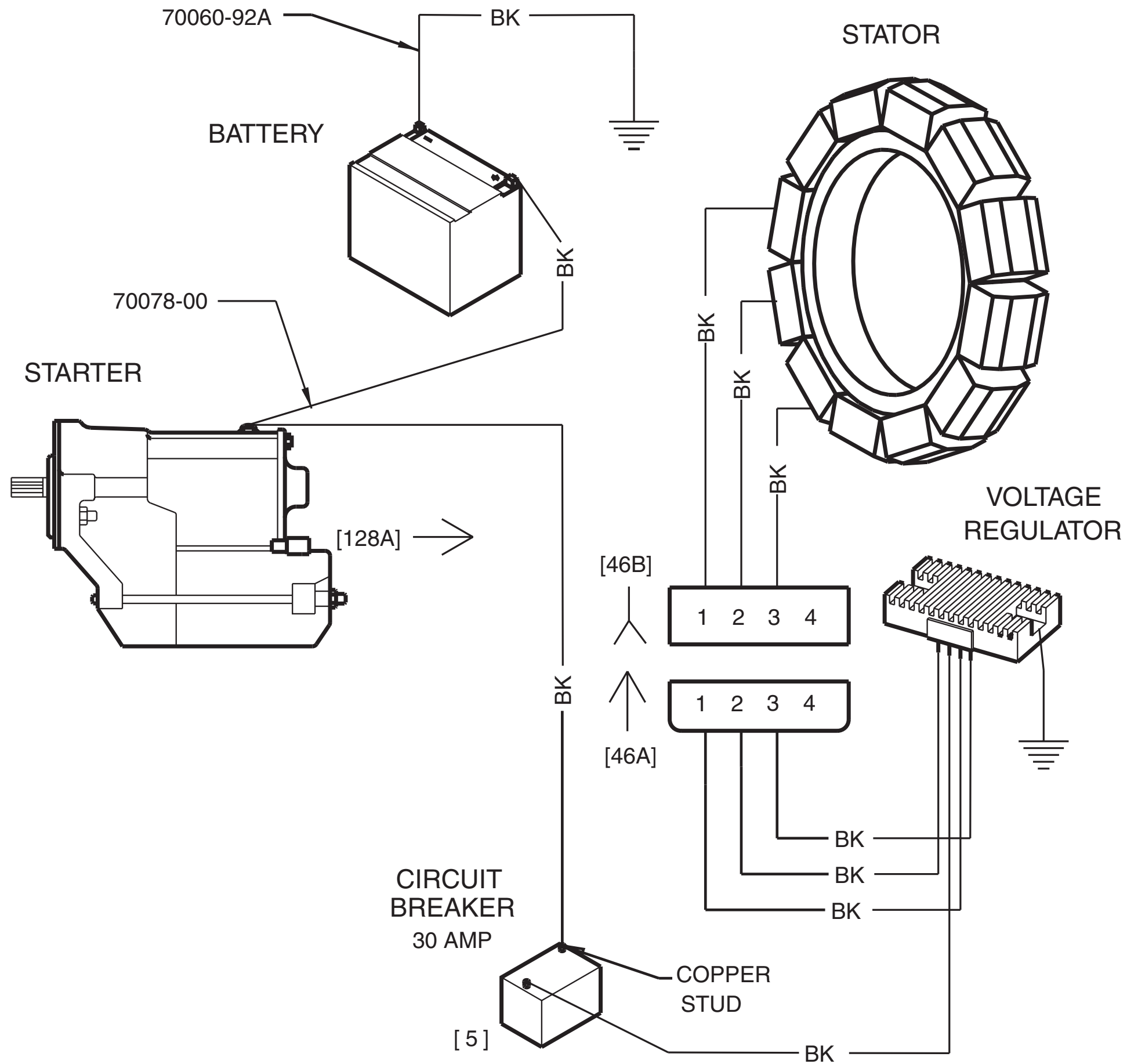




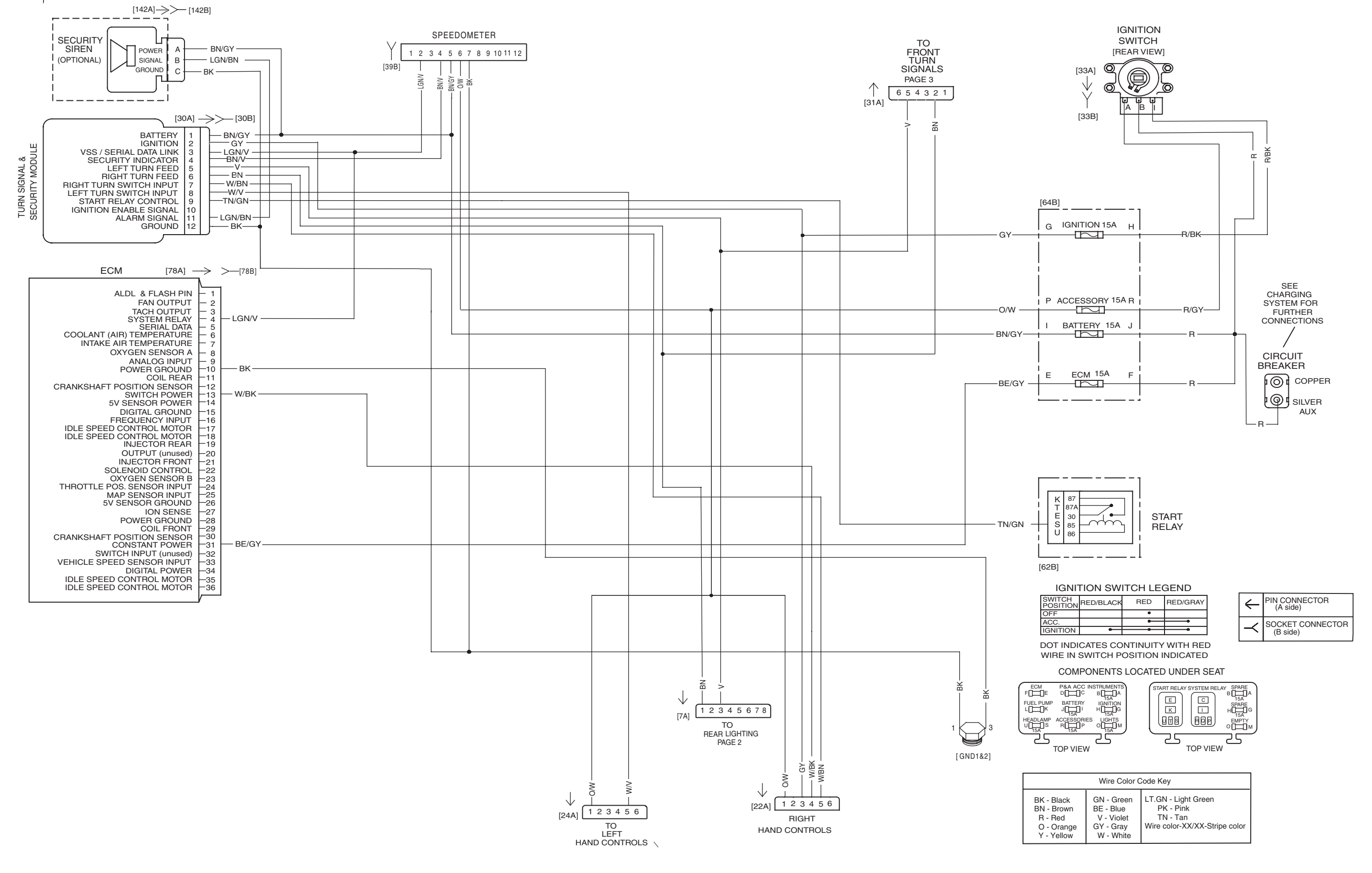


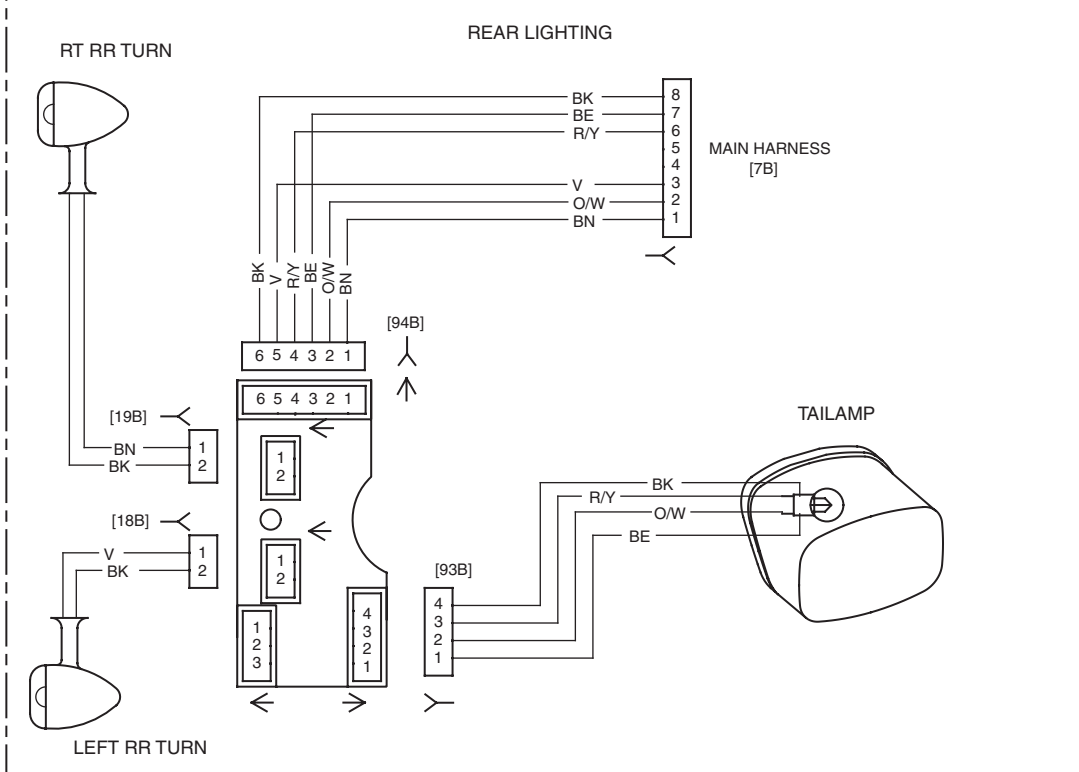
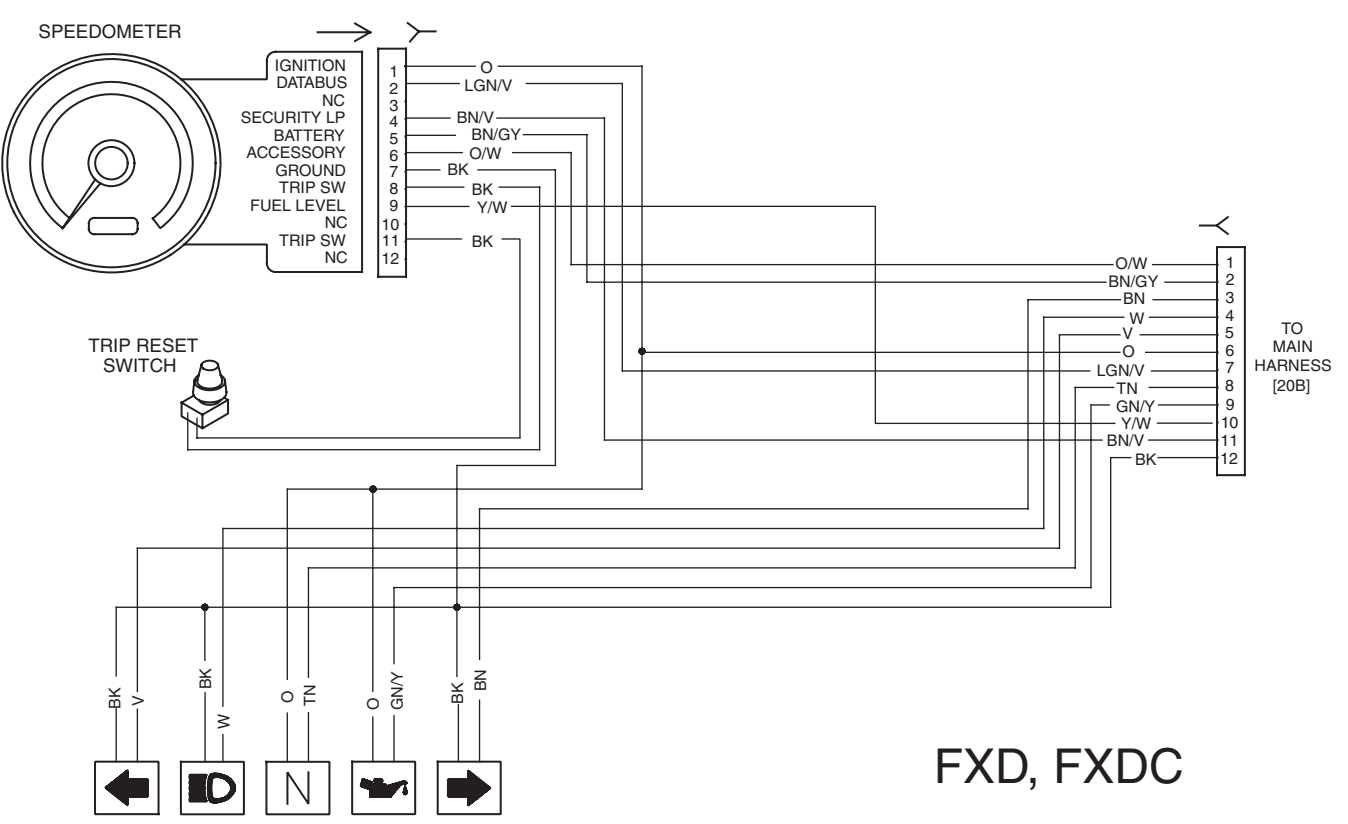
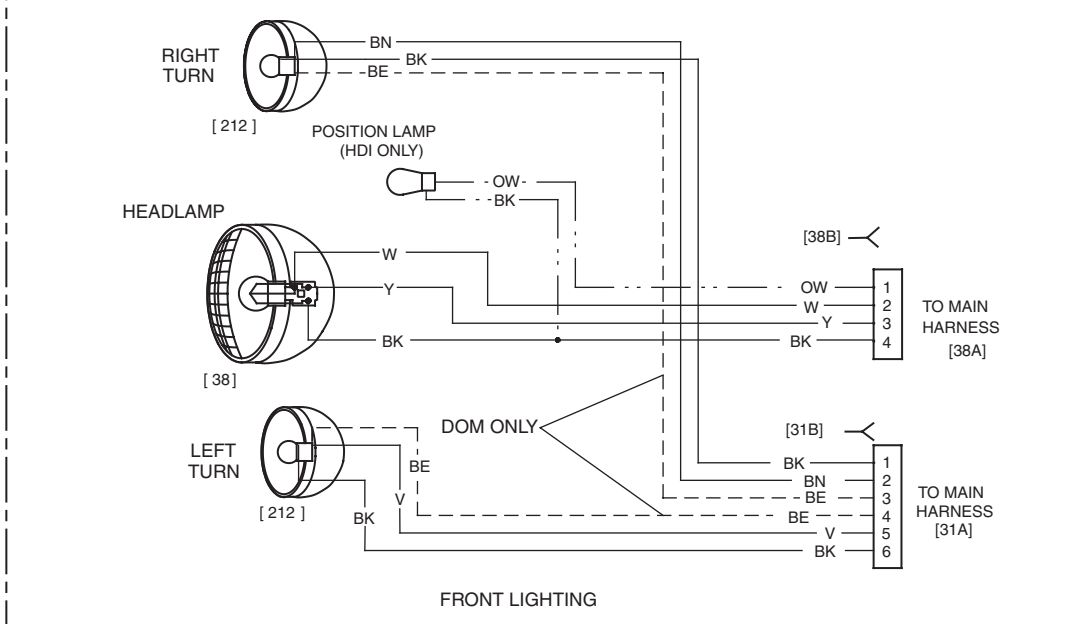
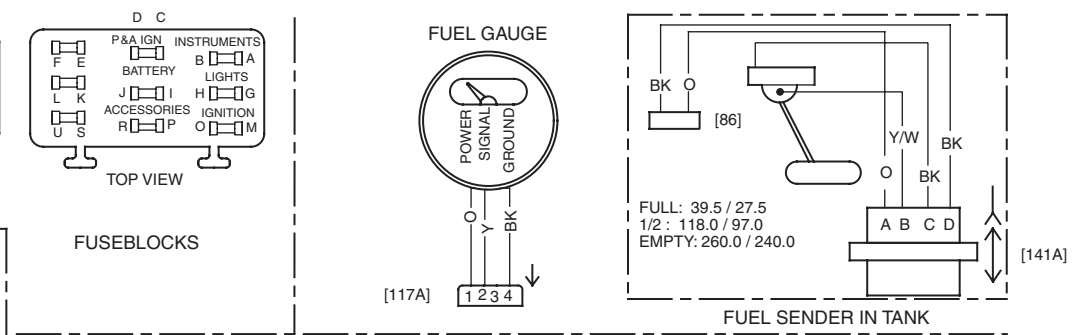
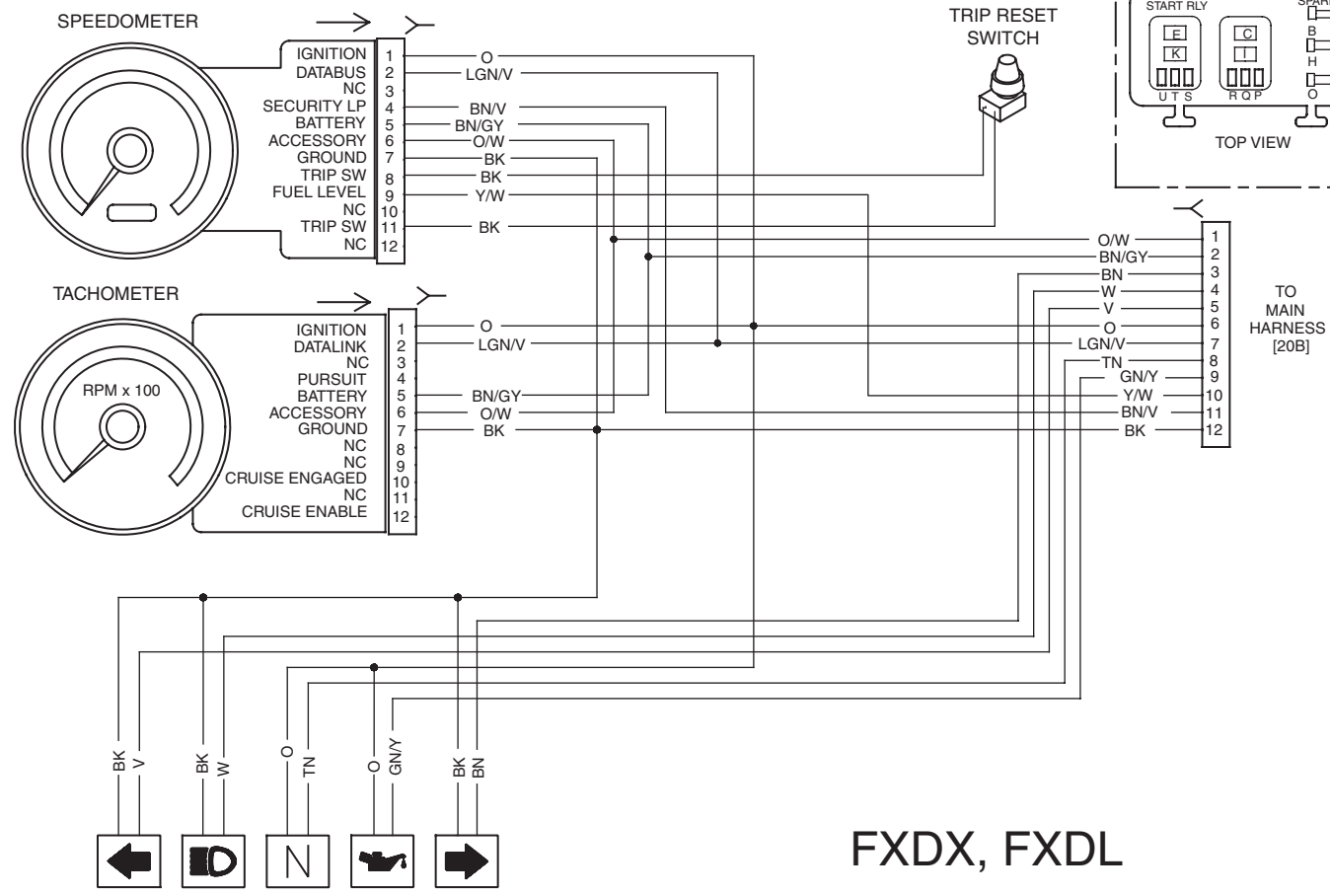


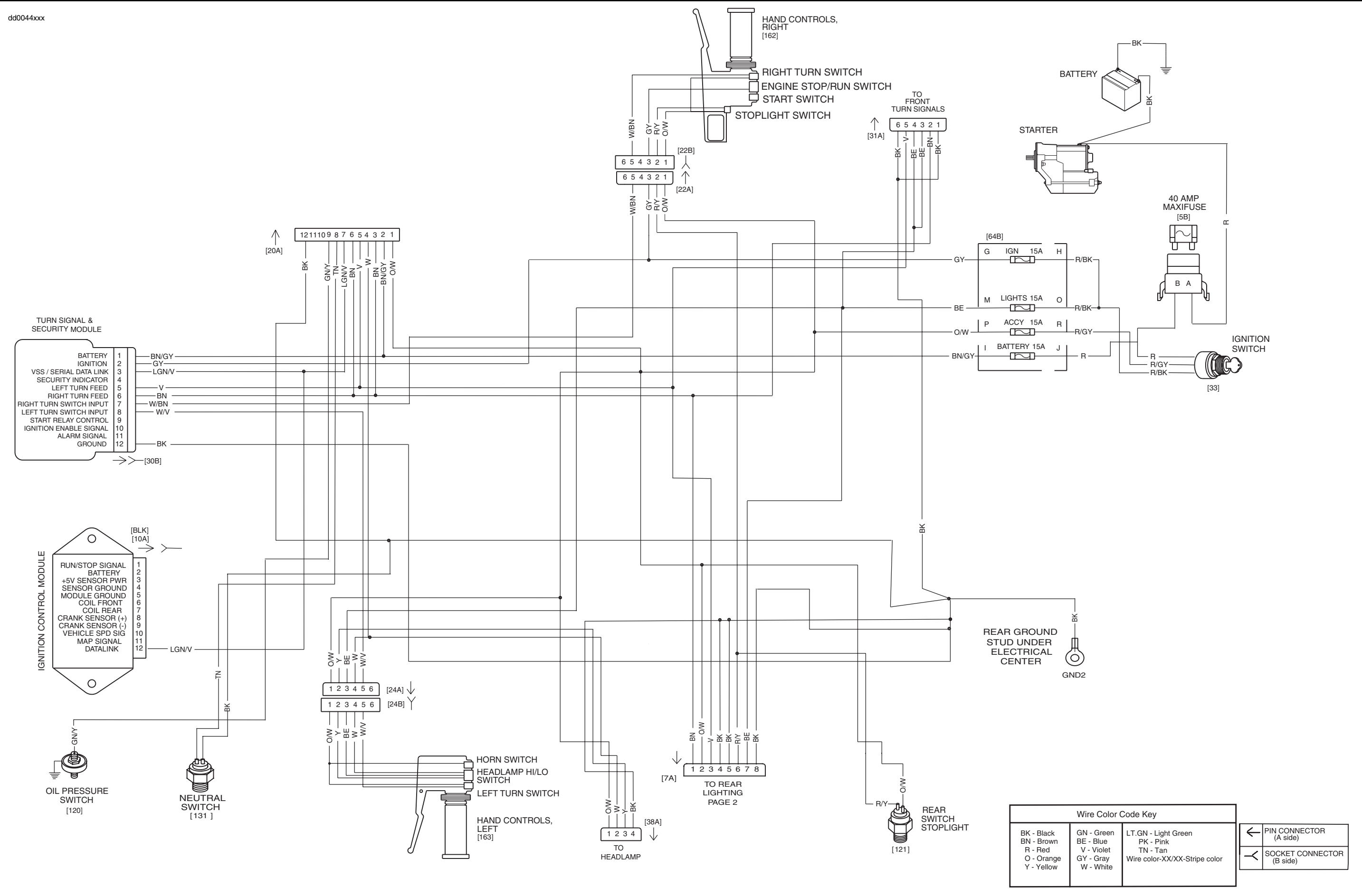
2005 ALL EFI SOFTAIL DOM. and INT. MODELS, STARTING CIRCUIT

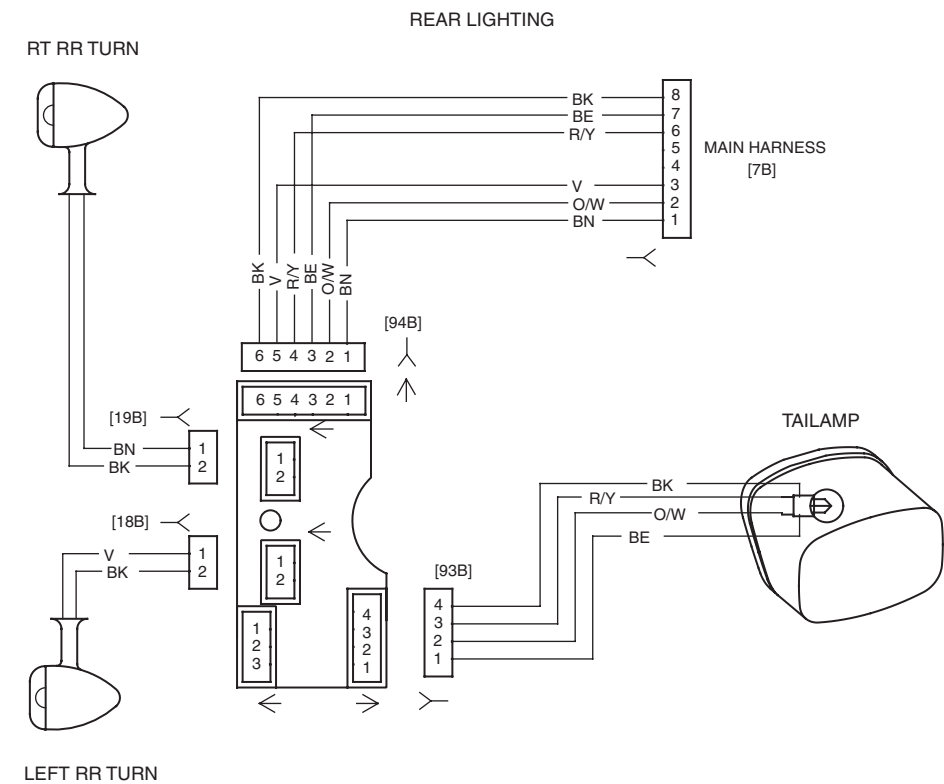
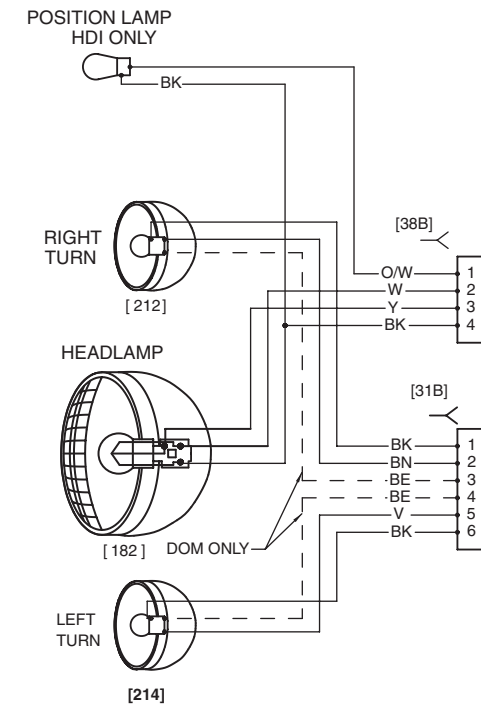
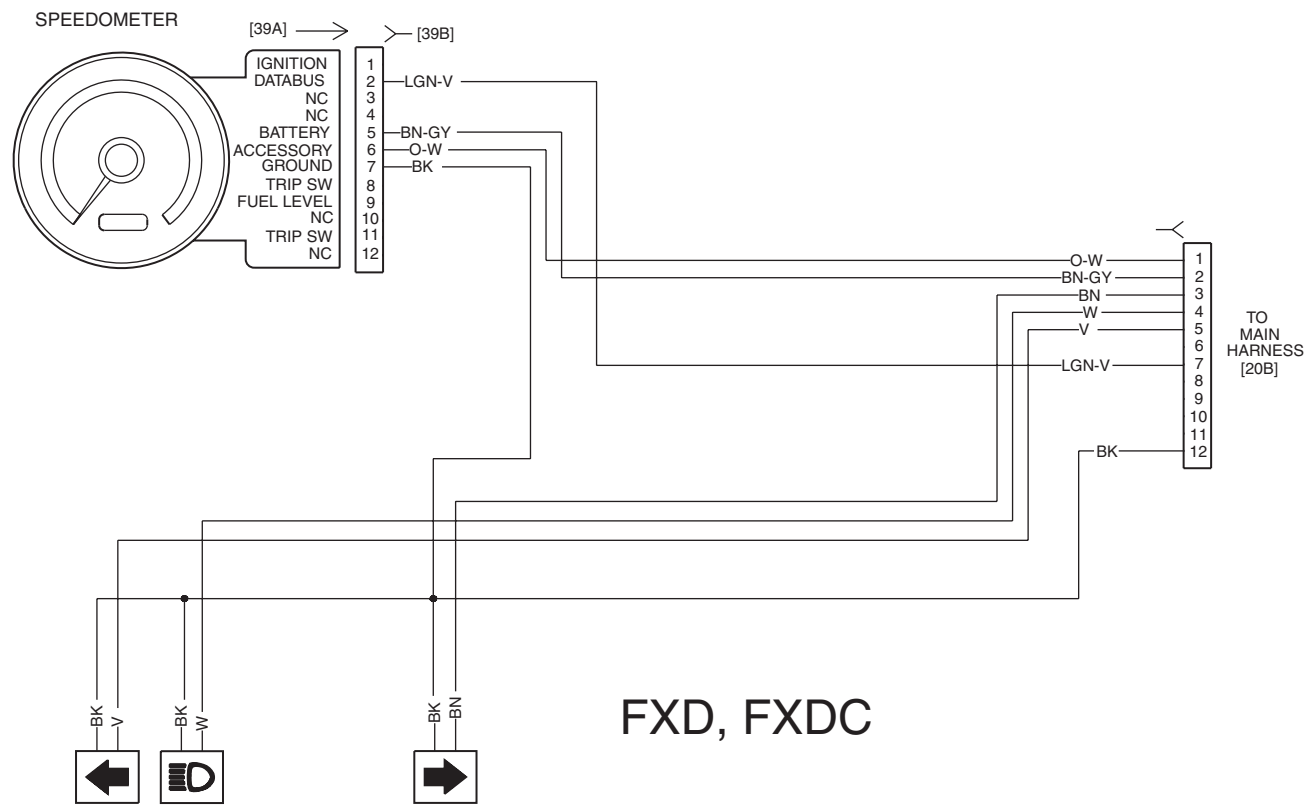
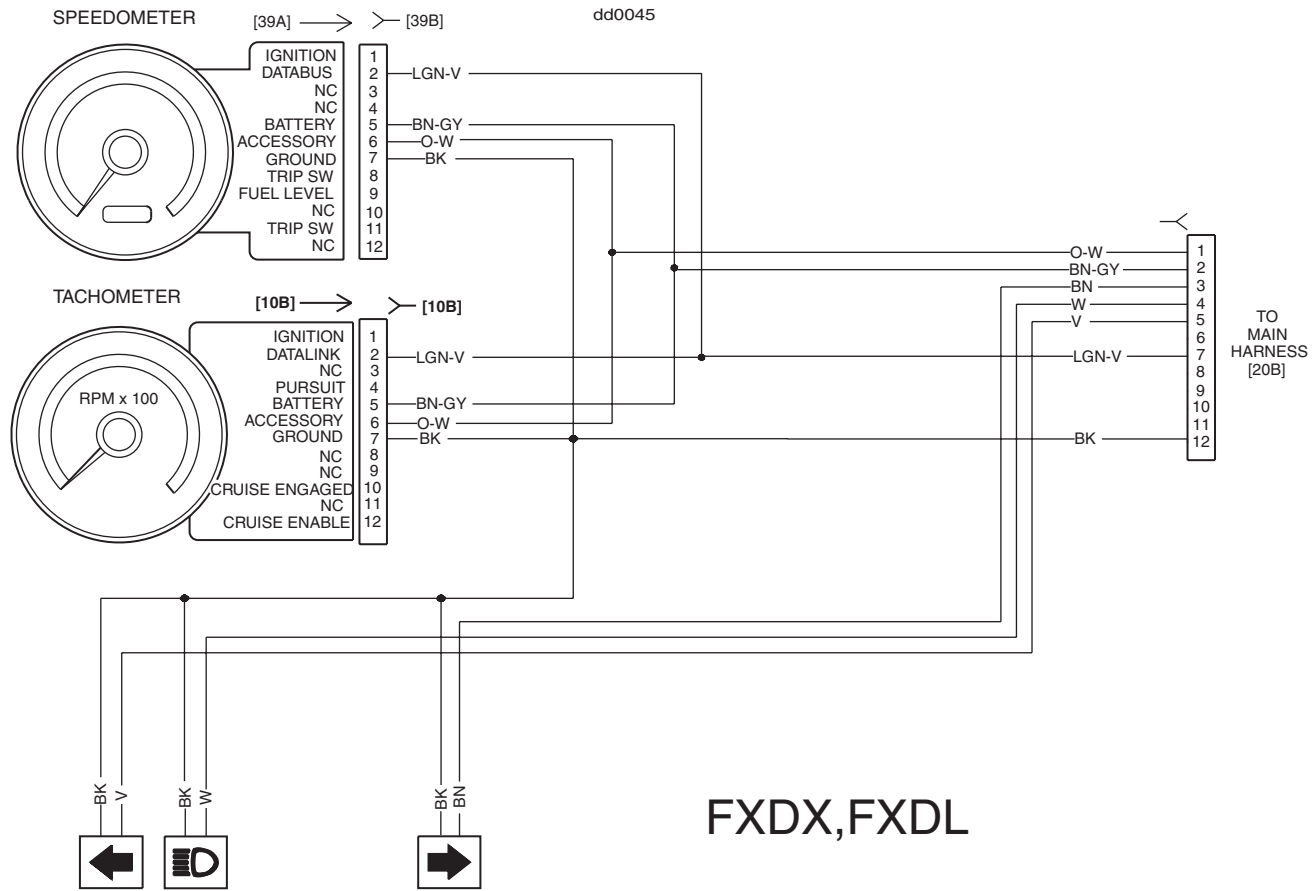


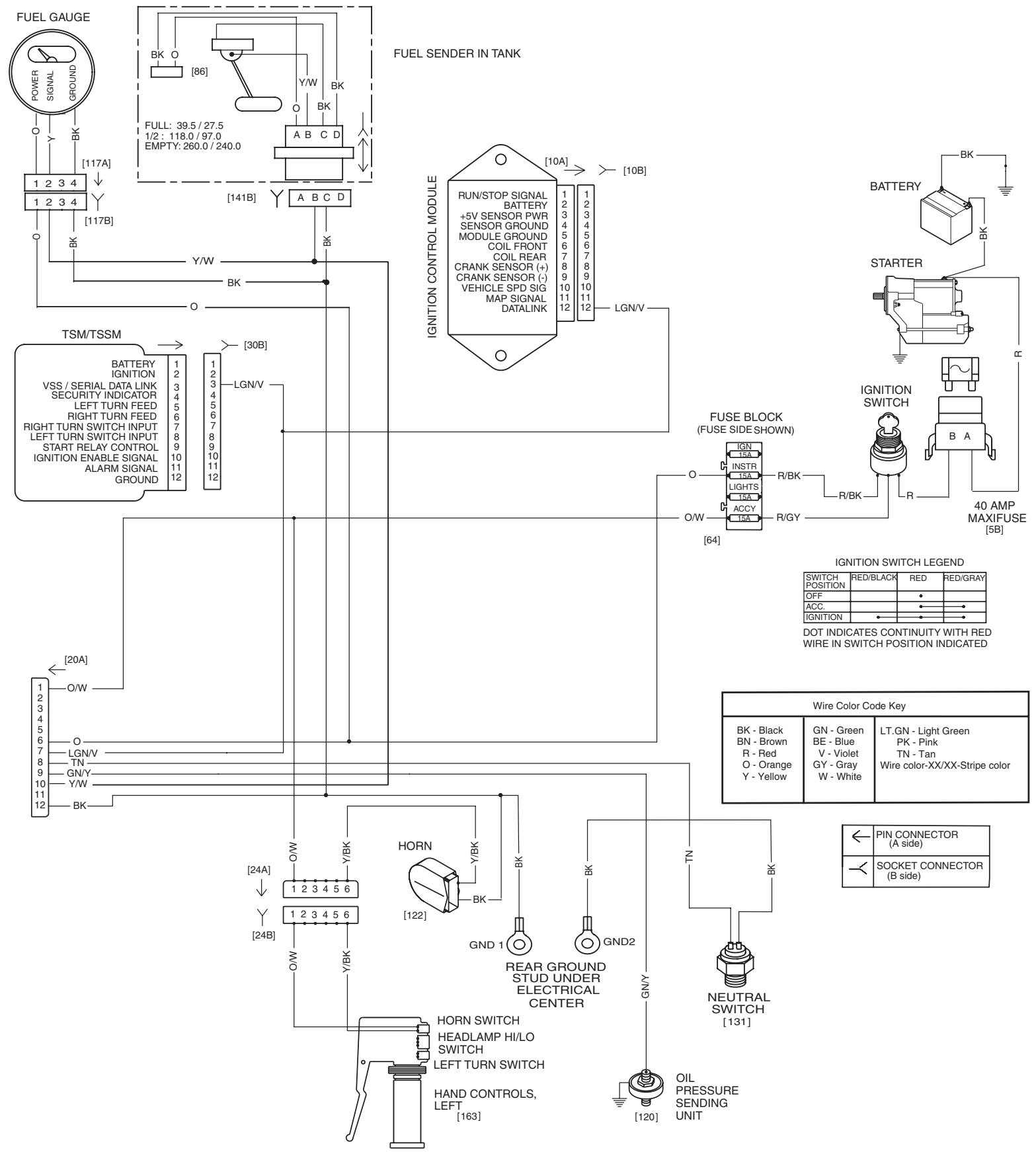
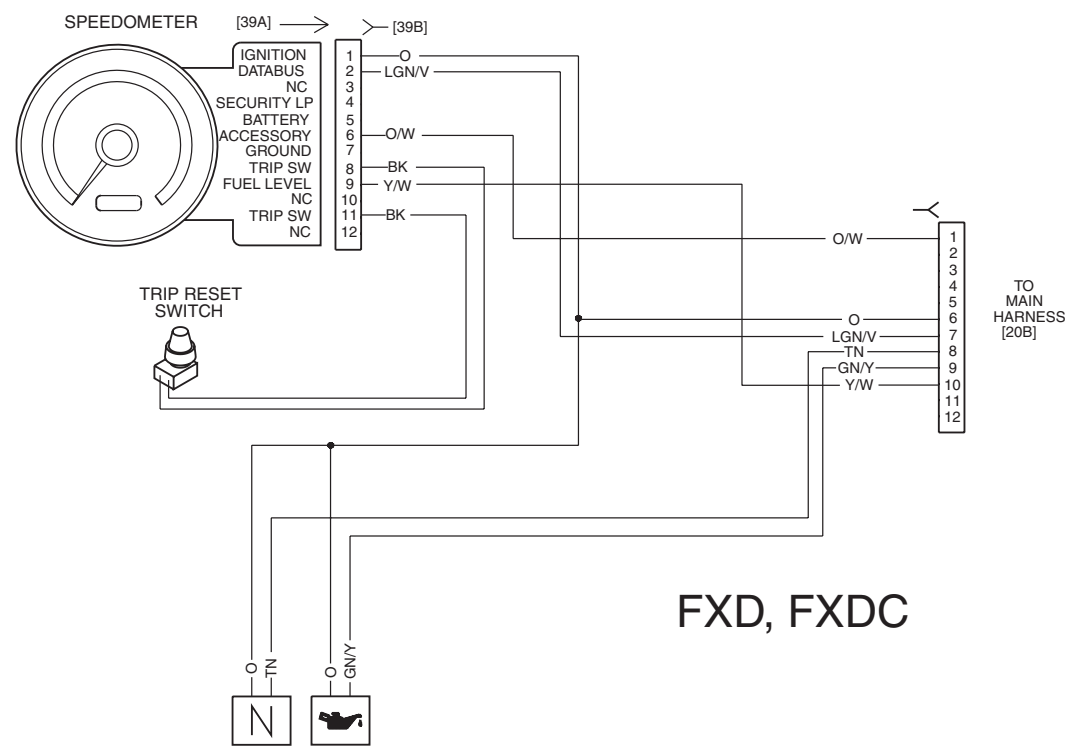
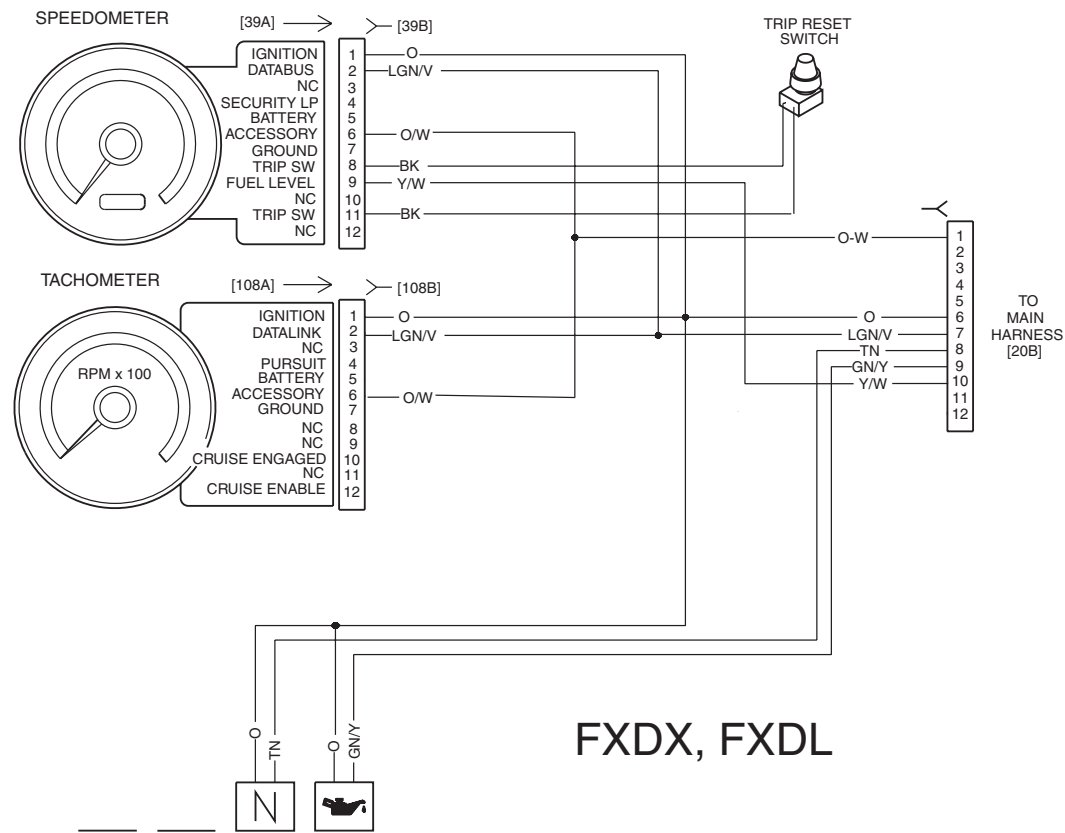
2005 ALL EFI SOFTAIL DOM. and INT. MODELS, CHARGING CIRCUIT



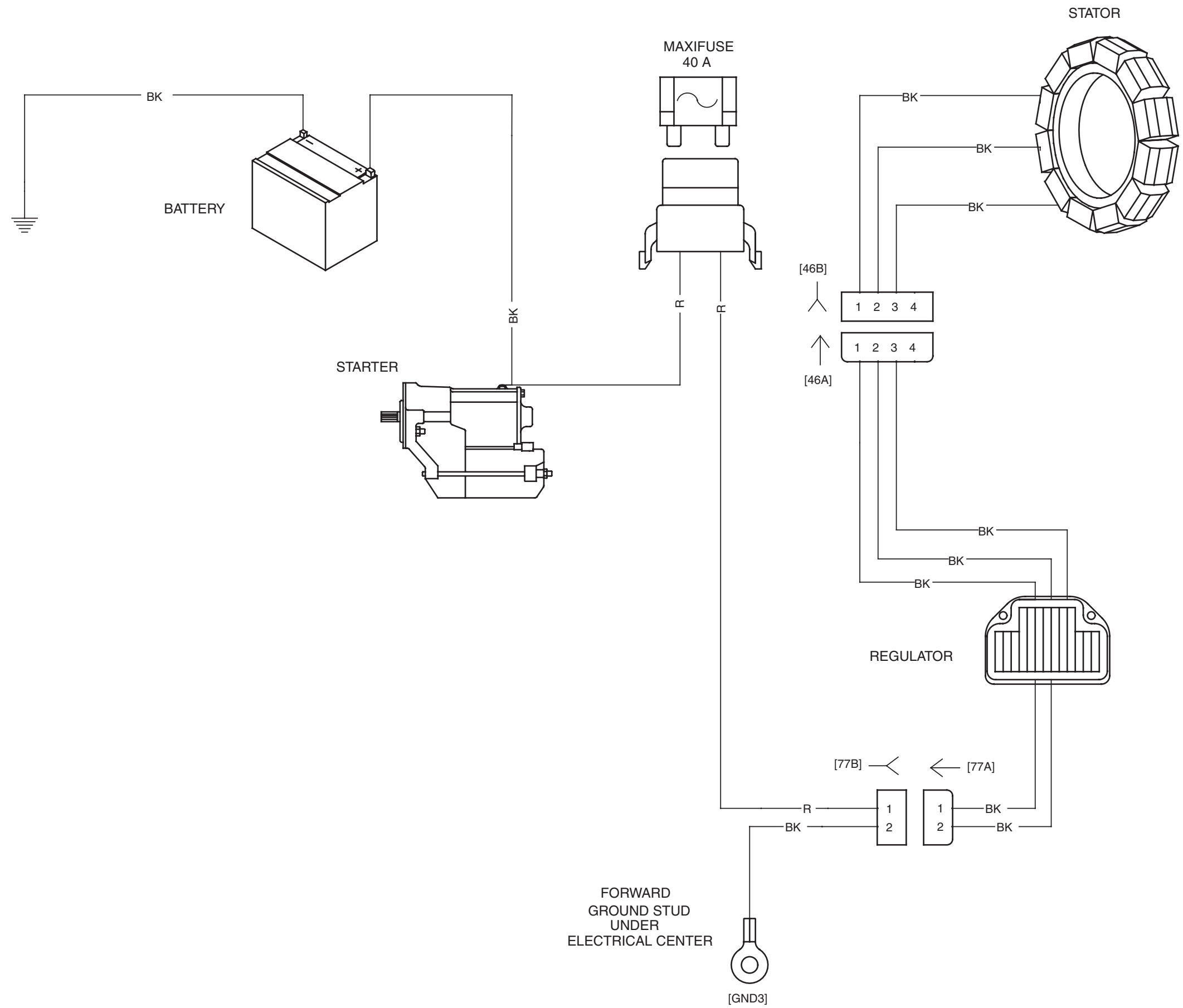




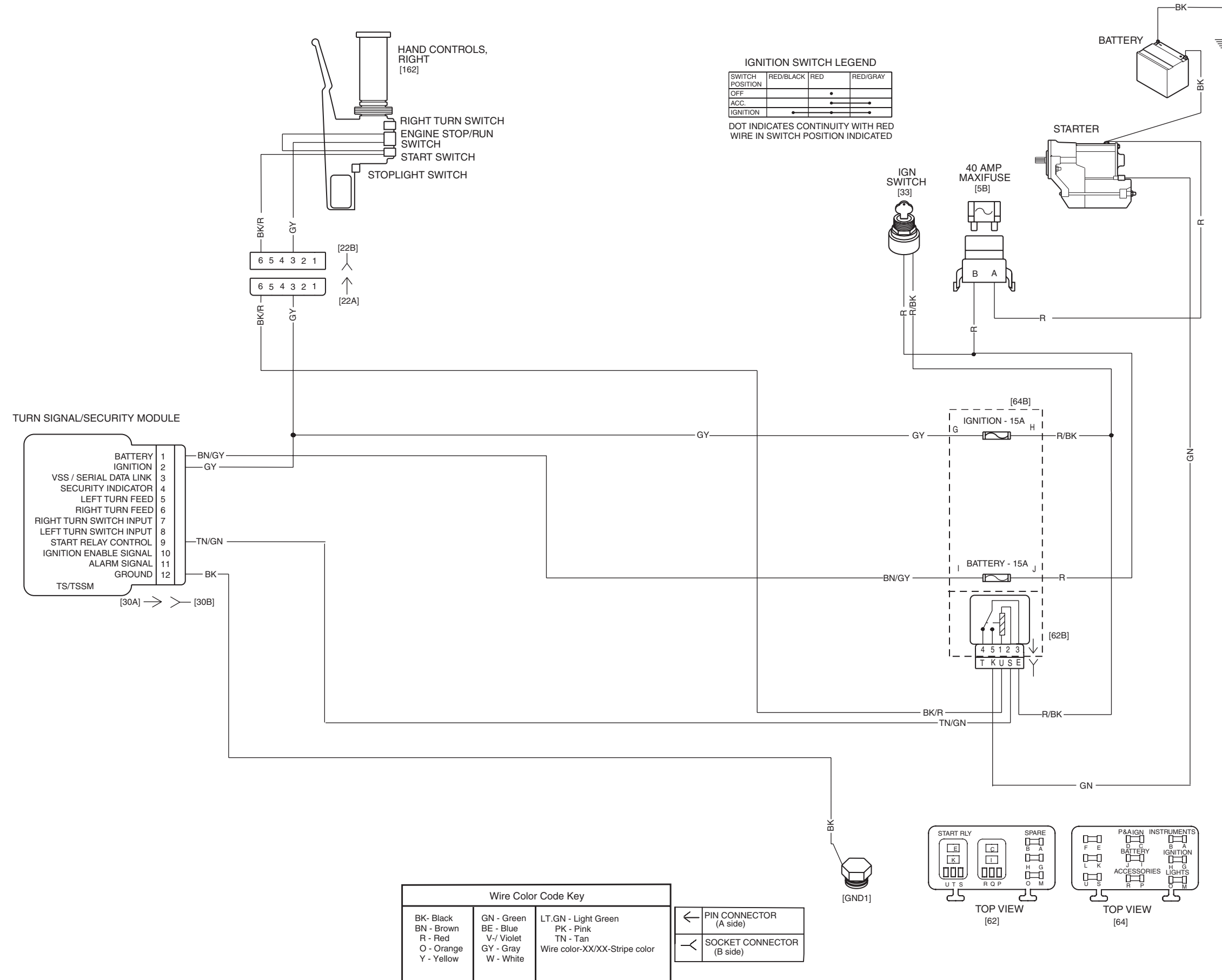


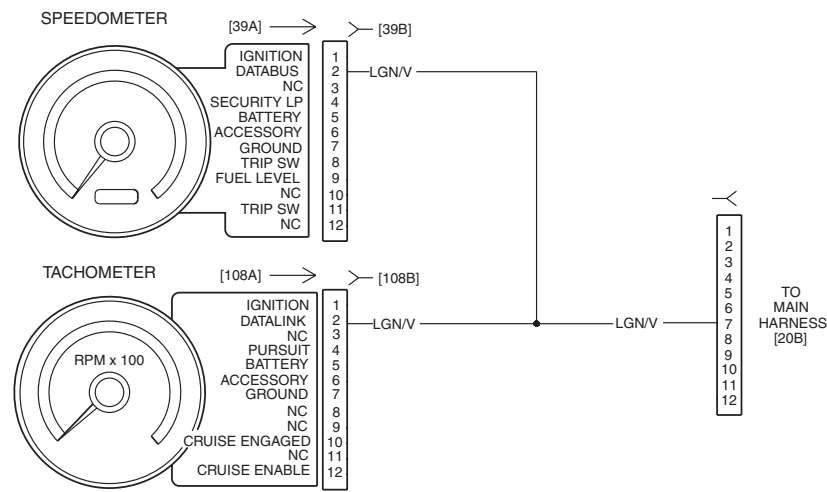


2005 ALL CARBURETED DYNA DOM. and INT. MODELS (Except FXDWG), HORN & INSTRUMENTS CIRCUIT

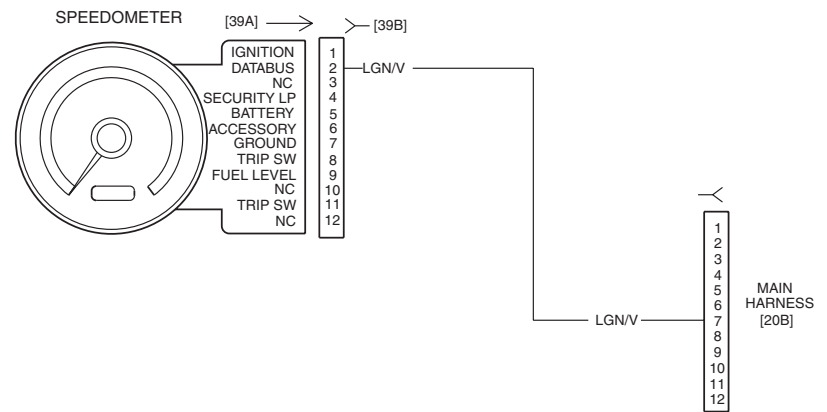


2005 ALL CARBURETED DYNA DOM. and INT. MODELS (Except FXDWG), CHARGING CIRCUIT

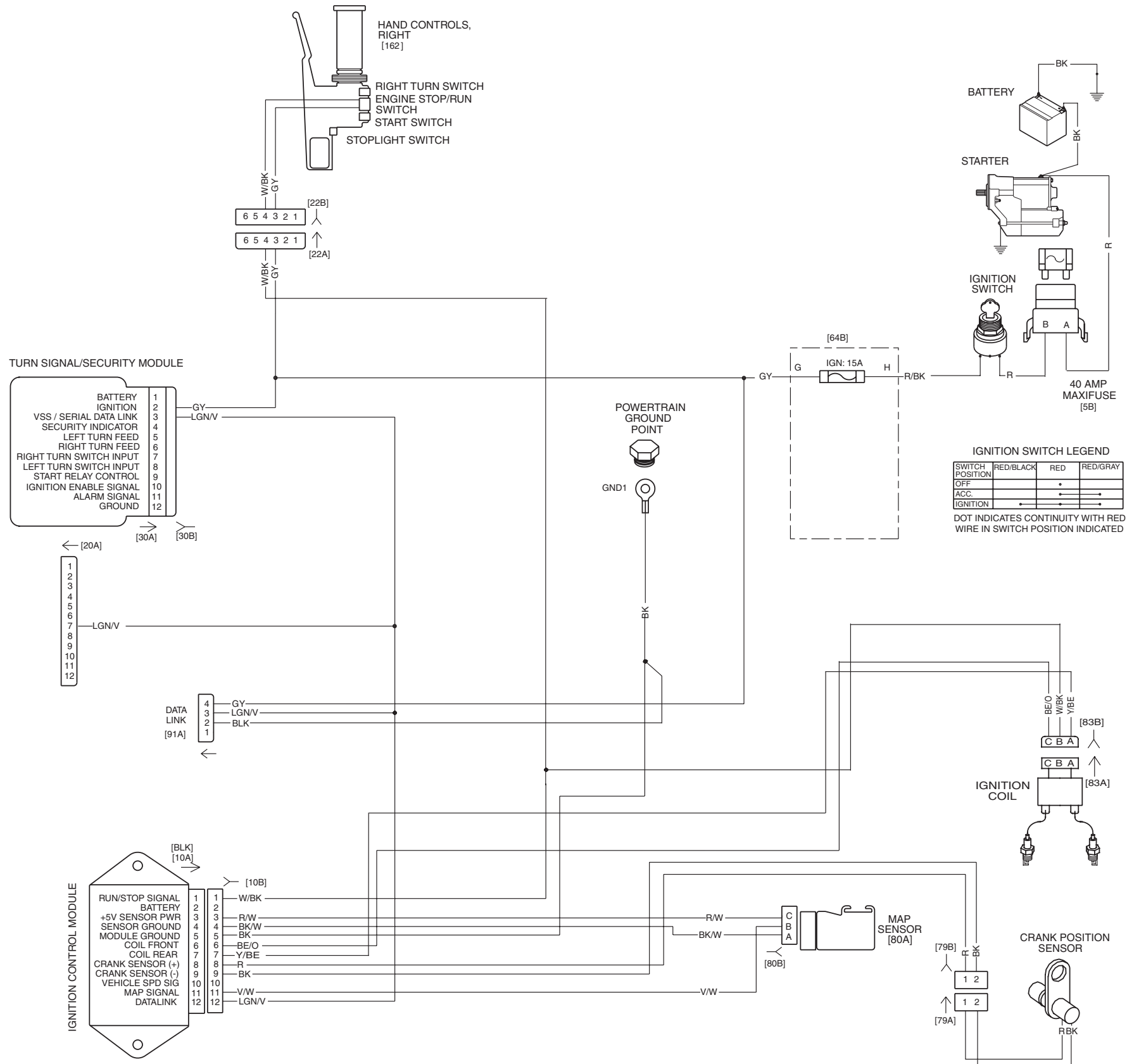




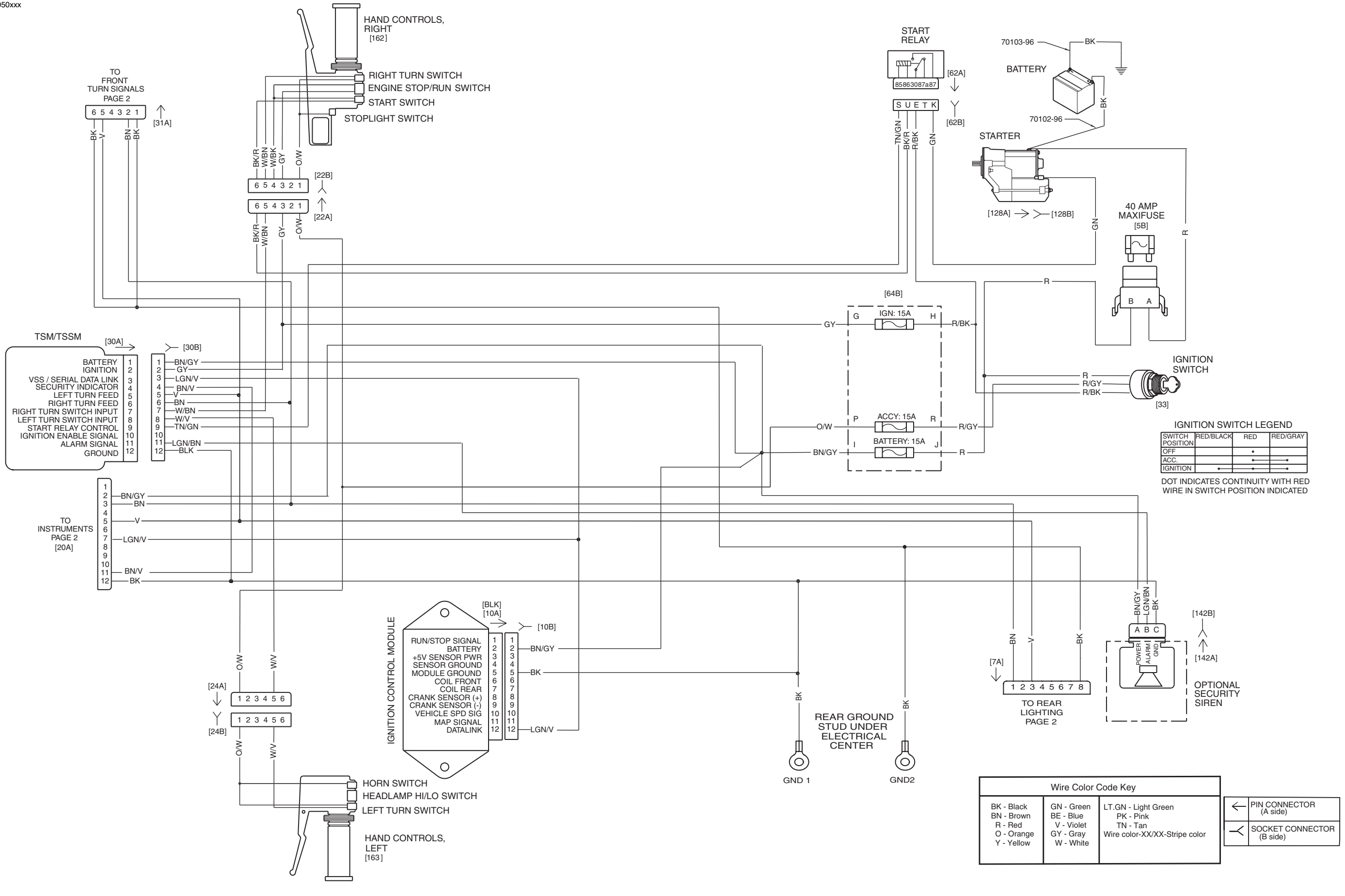
FXDX, FXDL

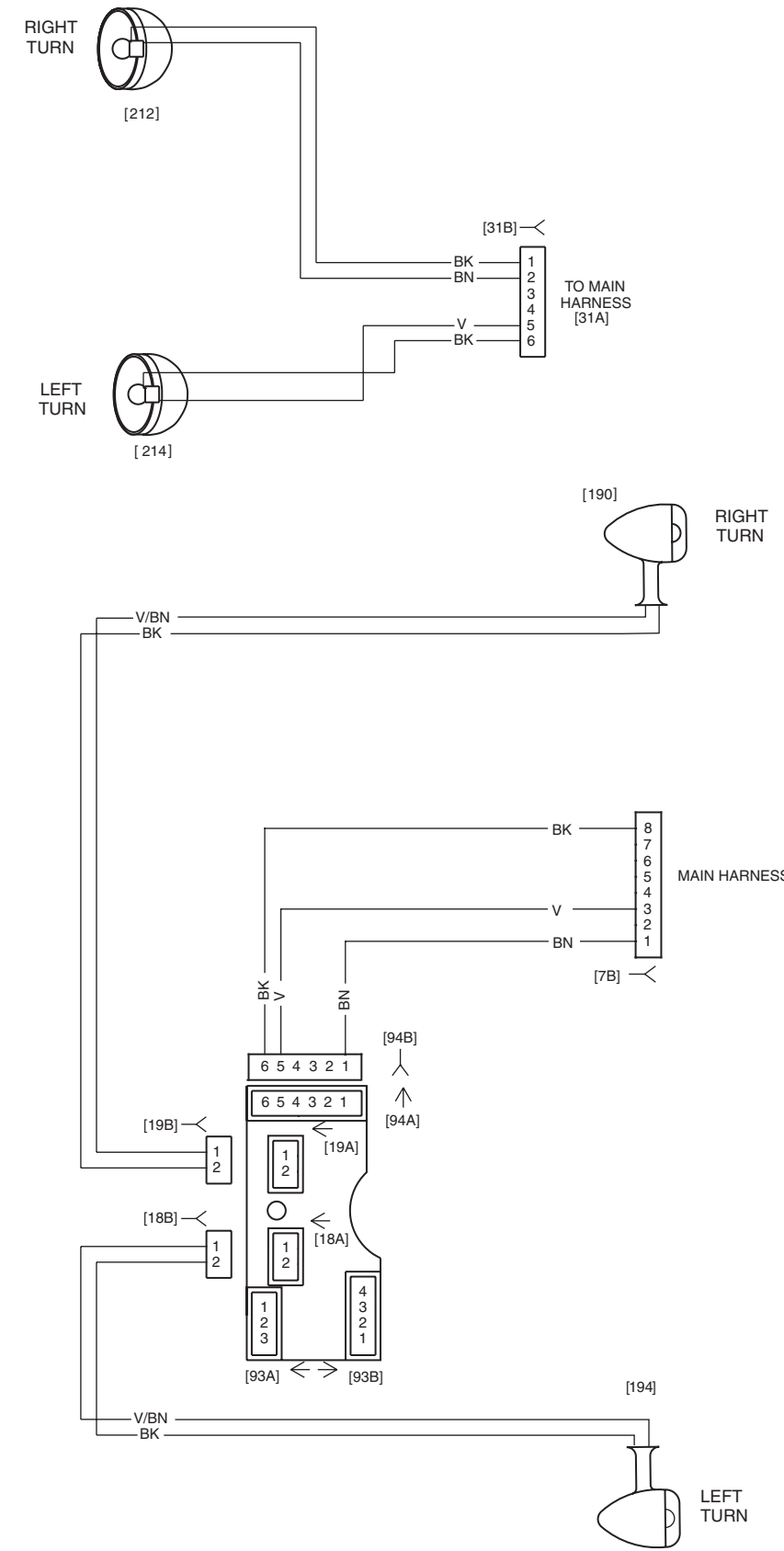
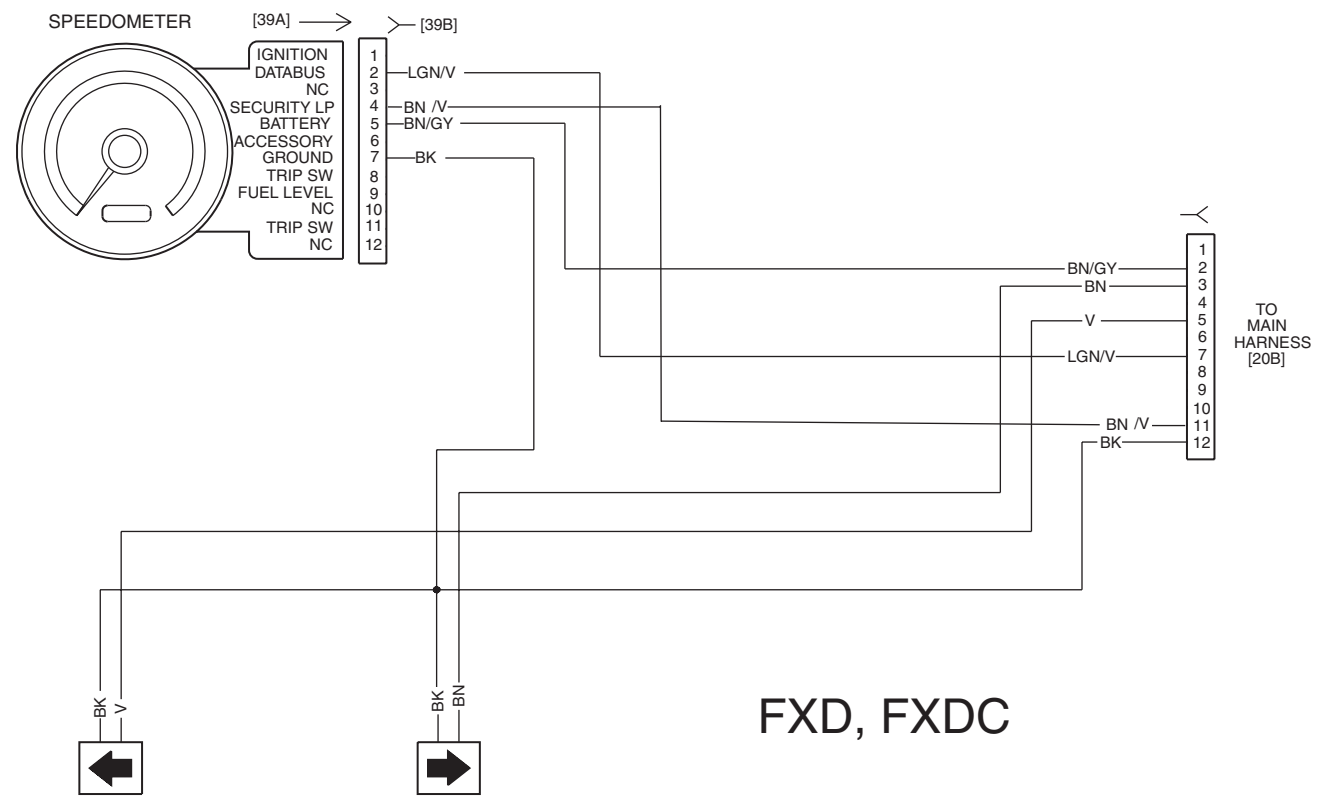
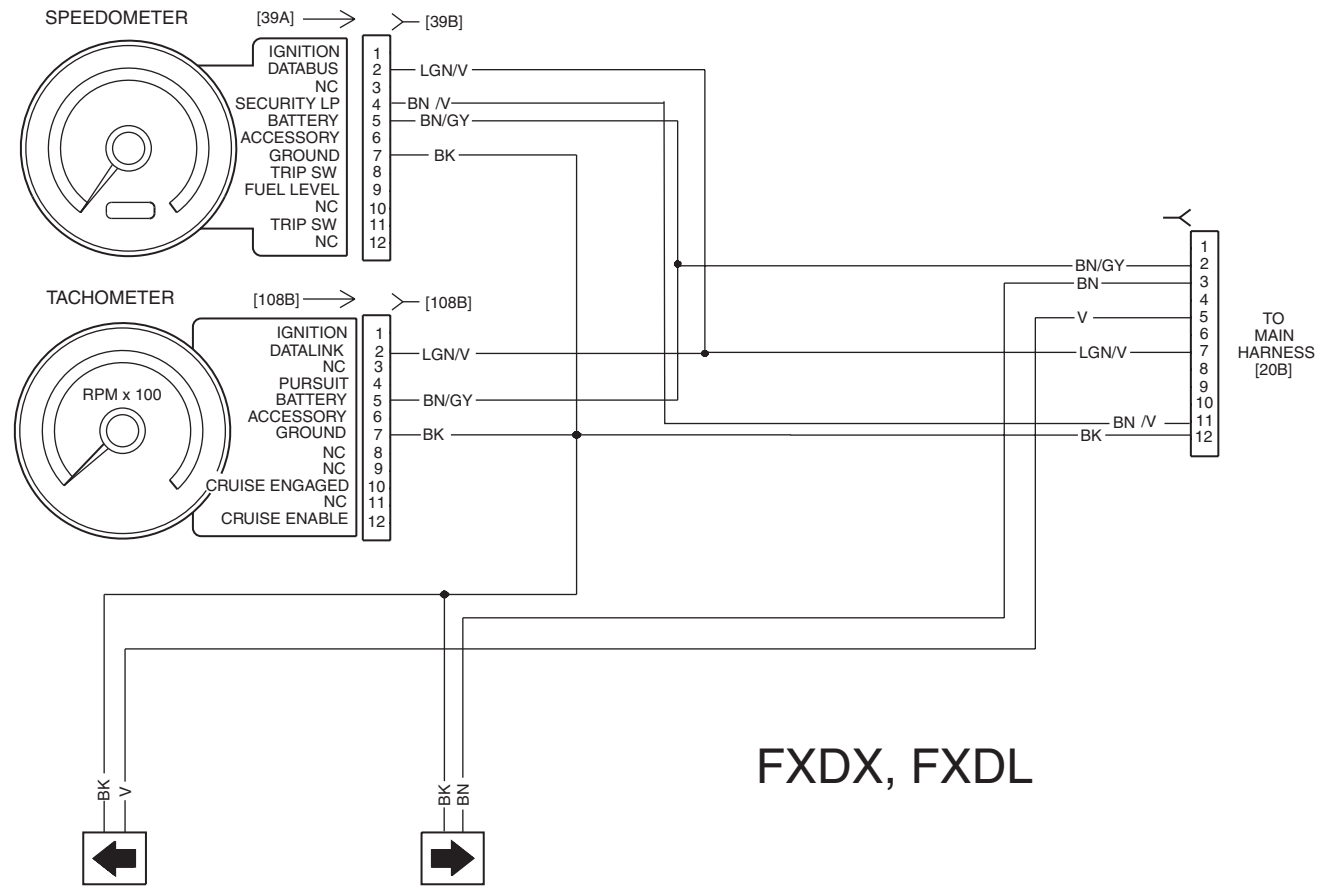


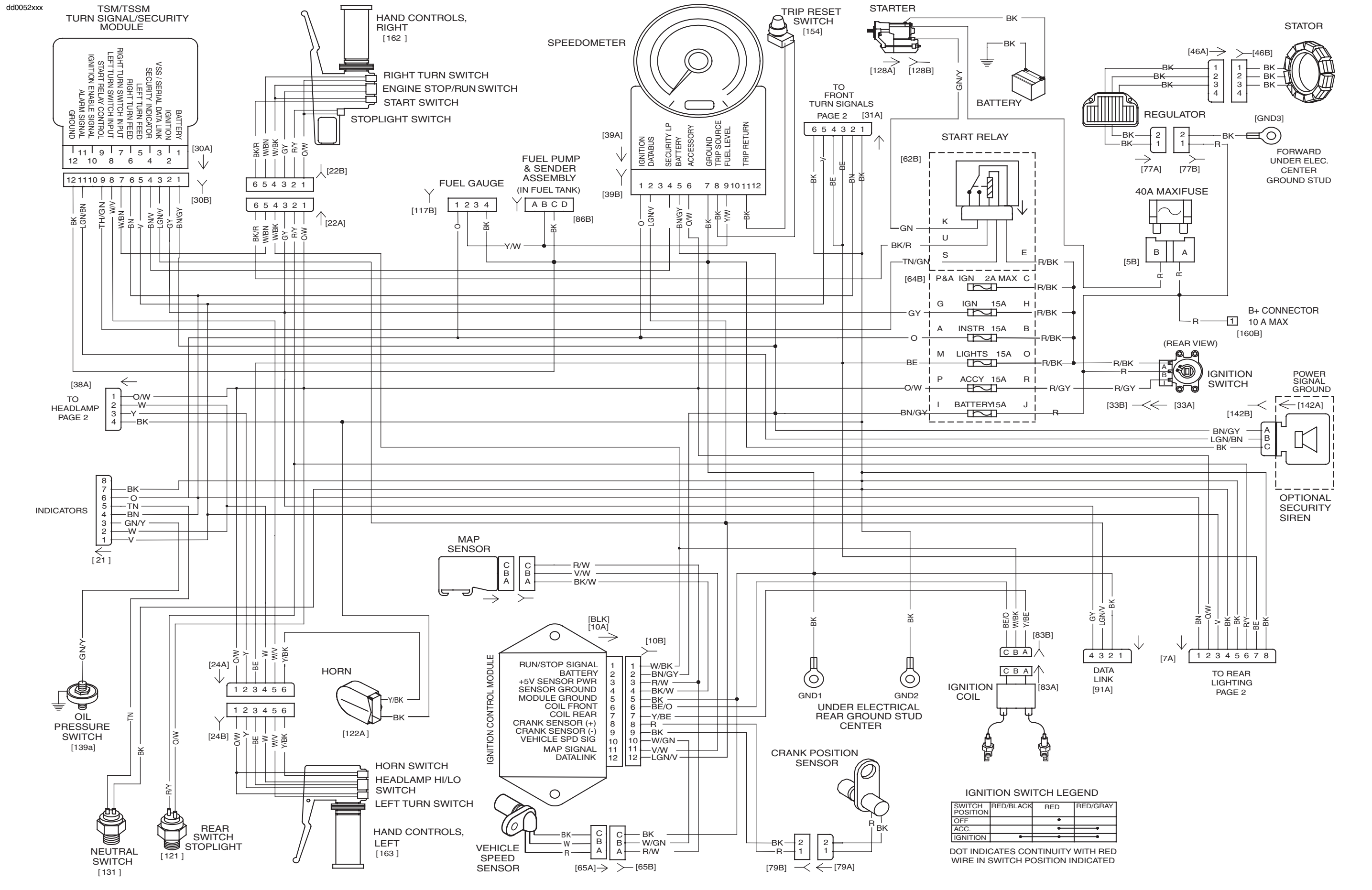
FXD, FXDC



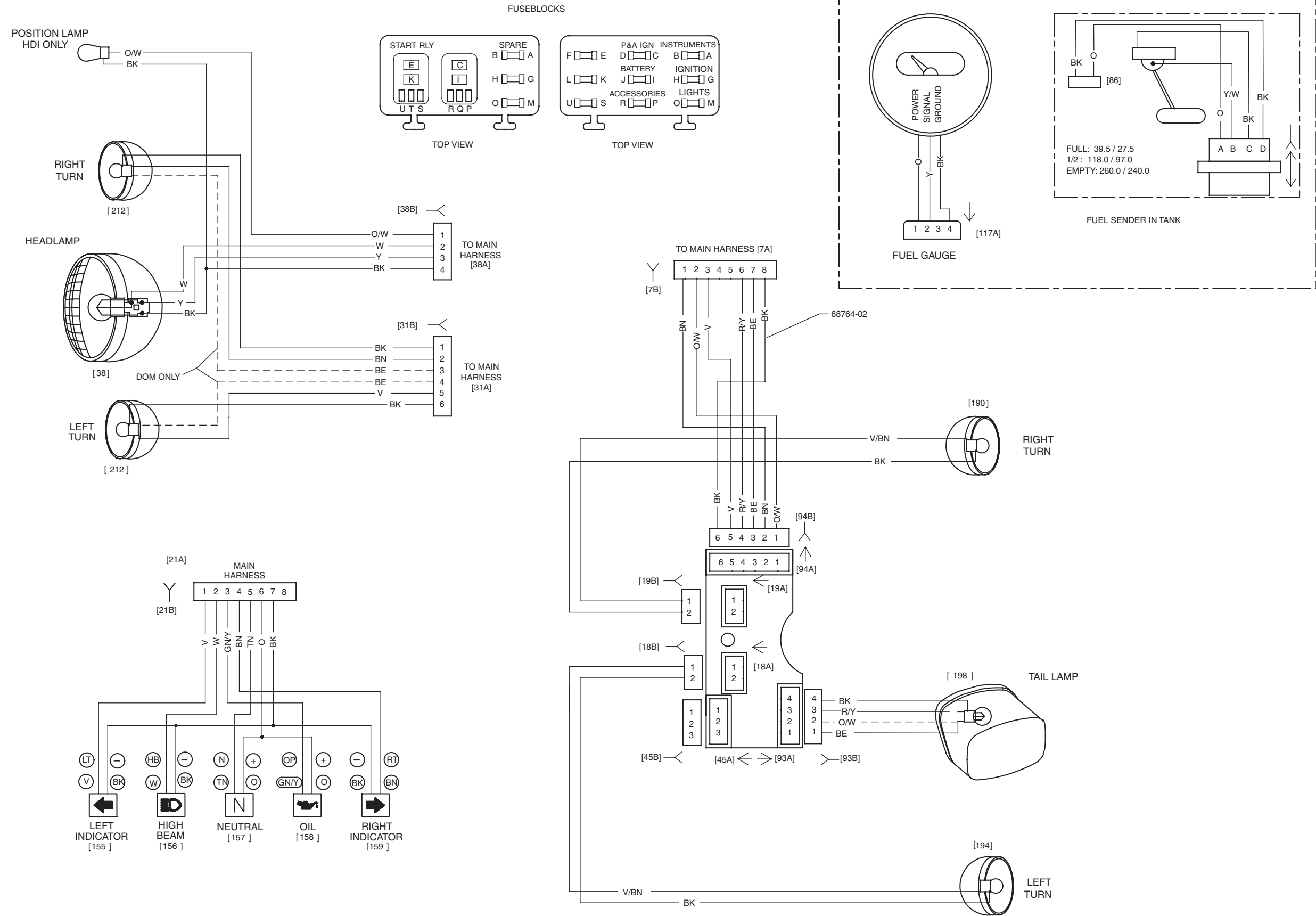
2005 ALL CARBURETED DYNA DOM. and INT. MODELS (Except FXDWG), IGNITION CIRCUIT



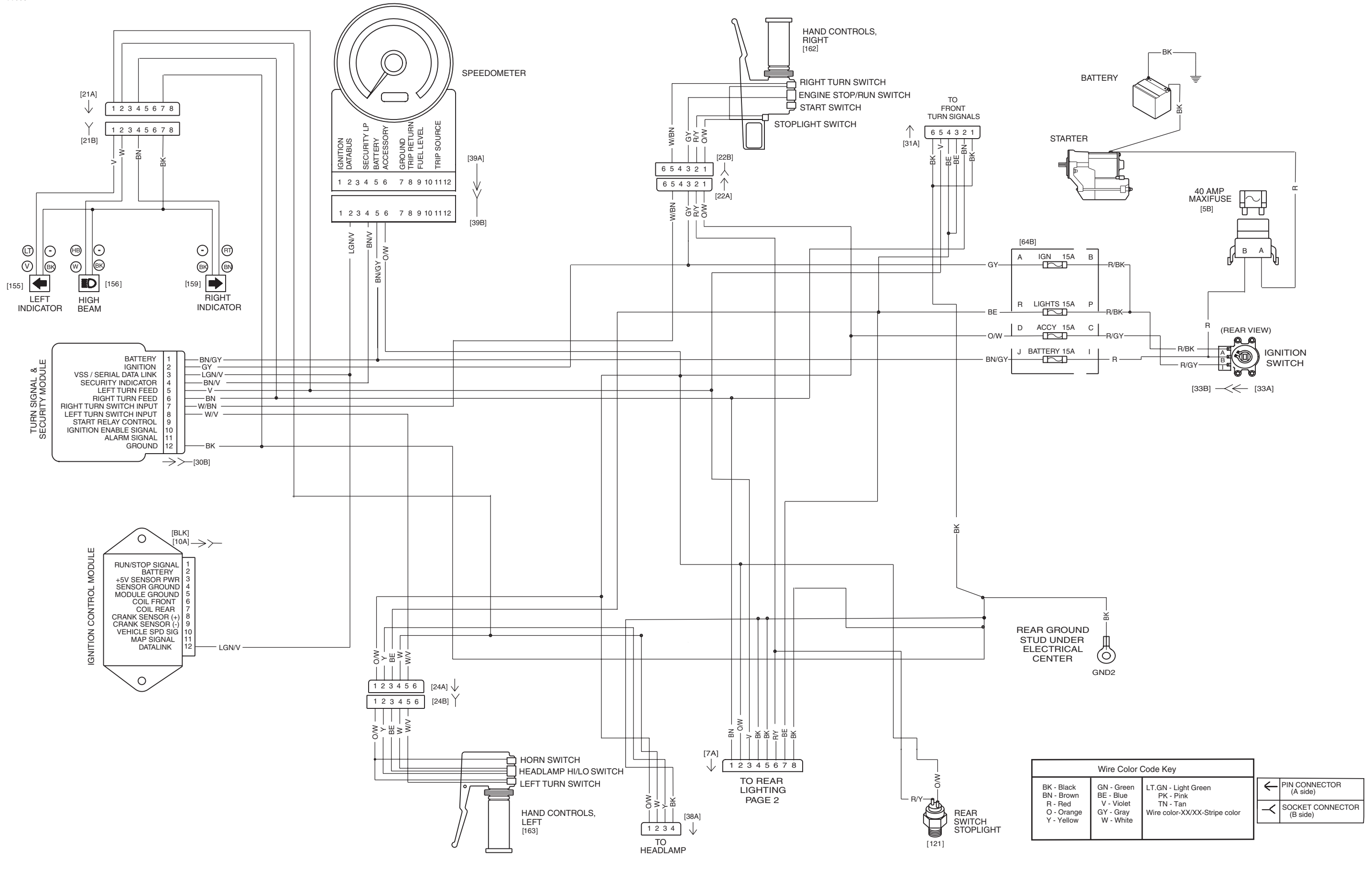




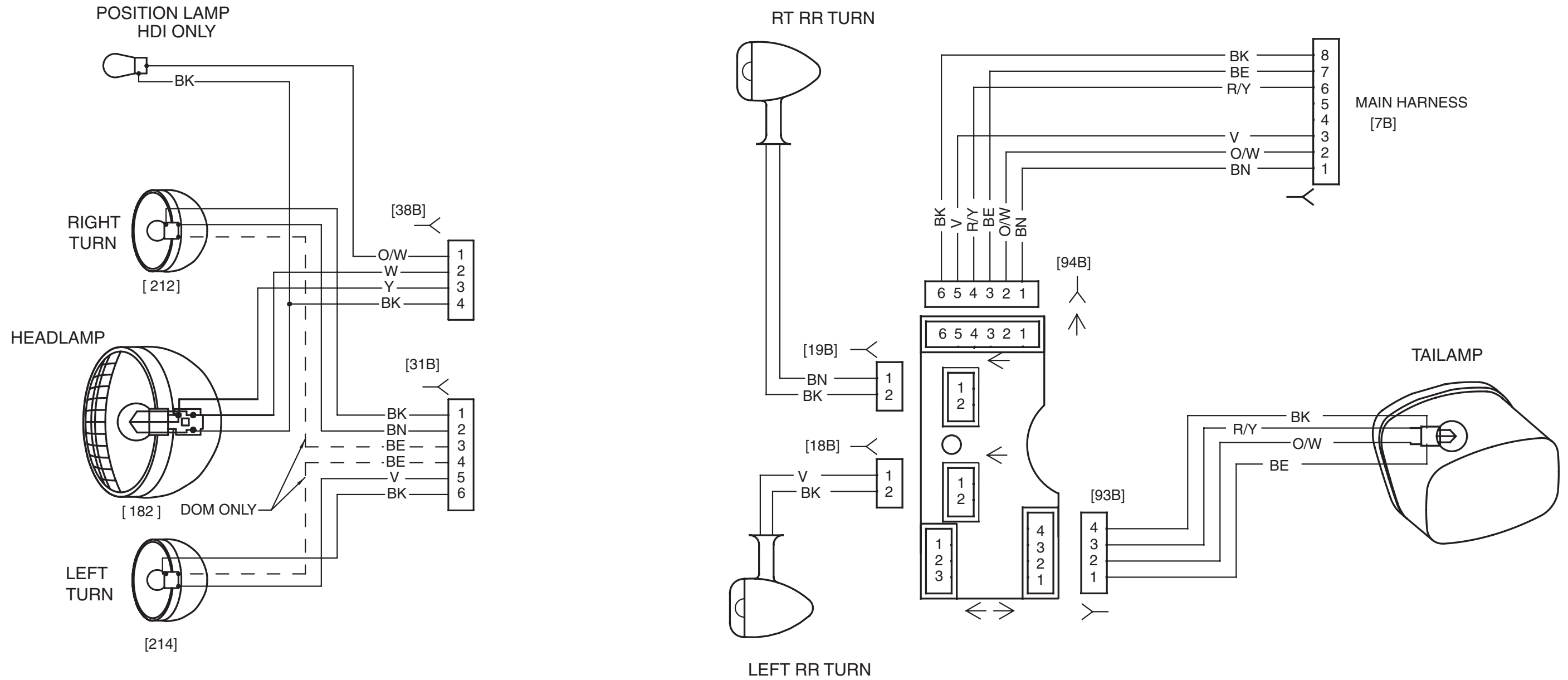
2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, MAIN HARNESS

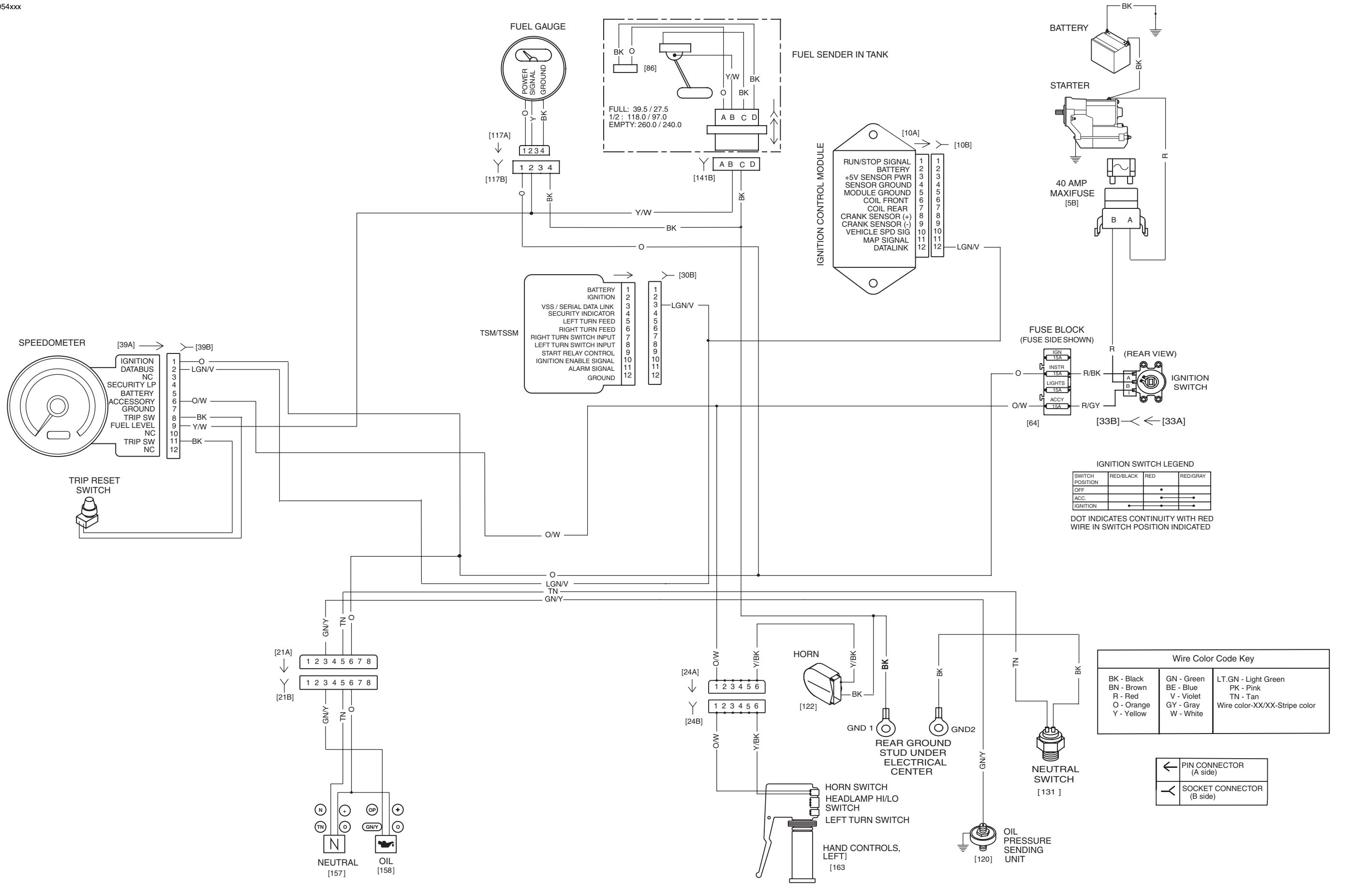


2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, LIGHTS & INDICATORS

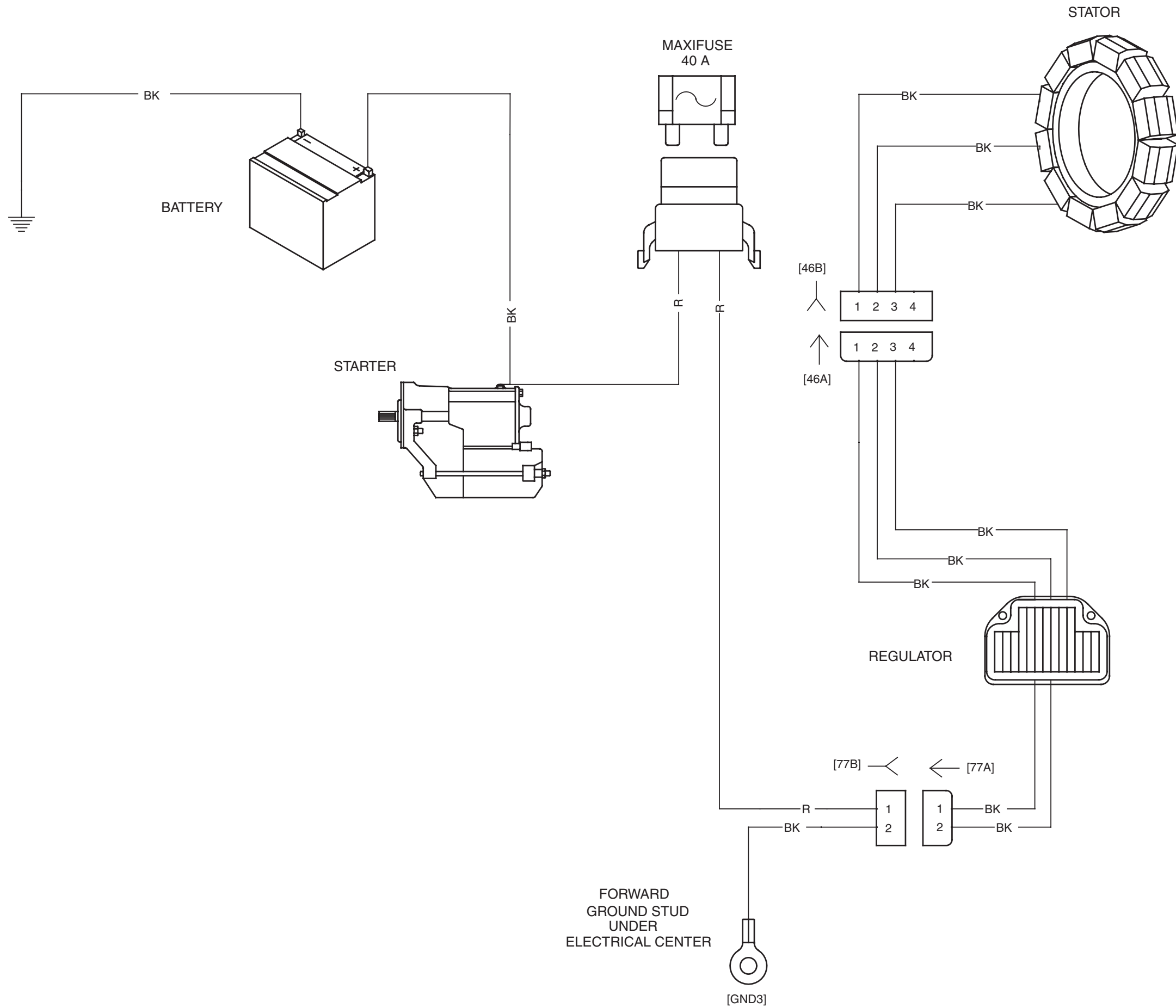


REAR LIGHTING

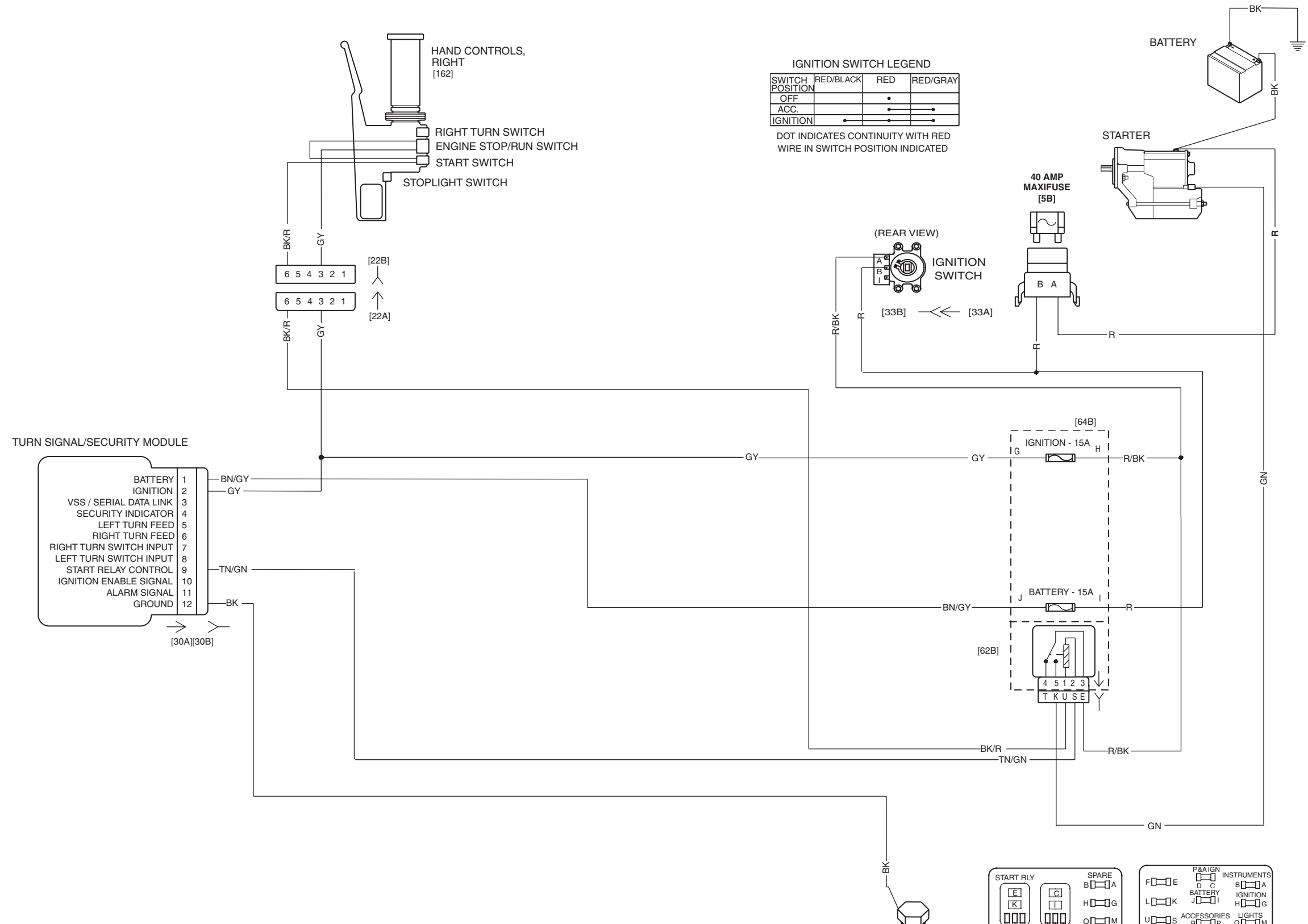




2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, HORN & INSTRUMENTS



2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, CHARGING CIRCUIT



IGNITION SWITCH LEGEND

SWITCH POSITION	RED/BLACK	RED	RED/GRAY
OFF		•	
ACC.	•	•	•
IGNITION	•	•	•

DOT INDICATES CONTINUITY WITH RED WIRE IN SWITCH POSITION INDICATED

TURN SIGNAL/SECURITY MODULE

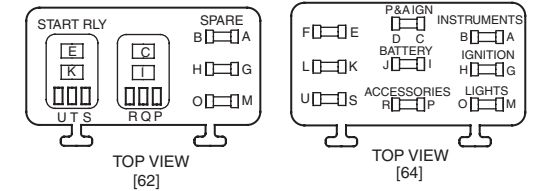
BATTERY	1	BN/GY
IGNITION	2	GY
VSS / SERIAL DATA LINK	3	
SECURITY INDICATOR	4	
LEFT TURN FEED	5	
RIGHT TURN FEED	6	
RIGHT TURN SWITCH INPUT	7	
LEFT TURN SWITCH INPUT	8	
START RELAY CONTROL	9	TN/GN
IGNITION ENABLE SIGNAL	10	
ALARM SIGNAL	11	
GROUND	12	BK

[30A][30B]

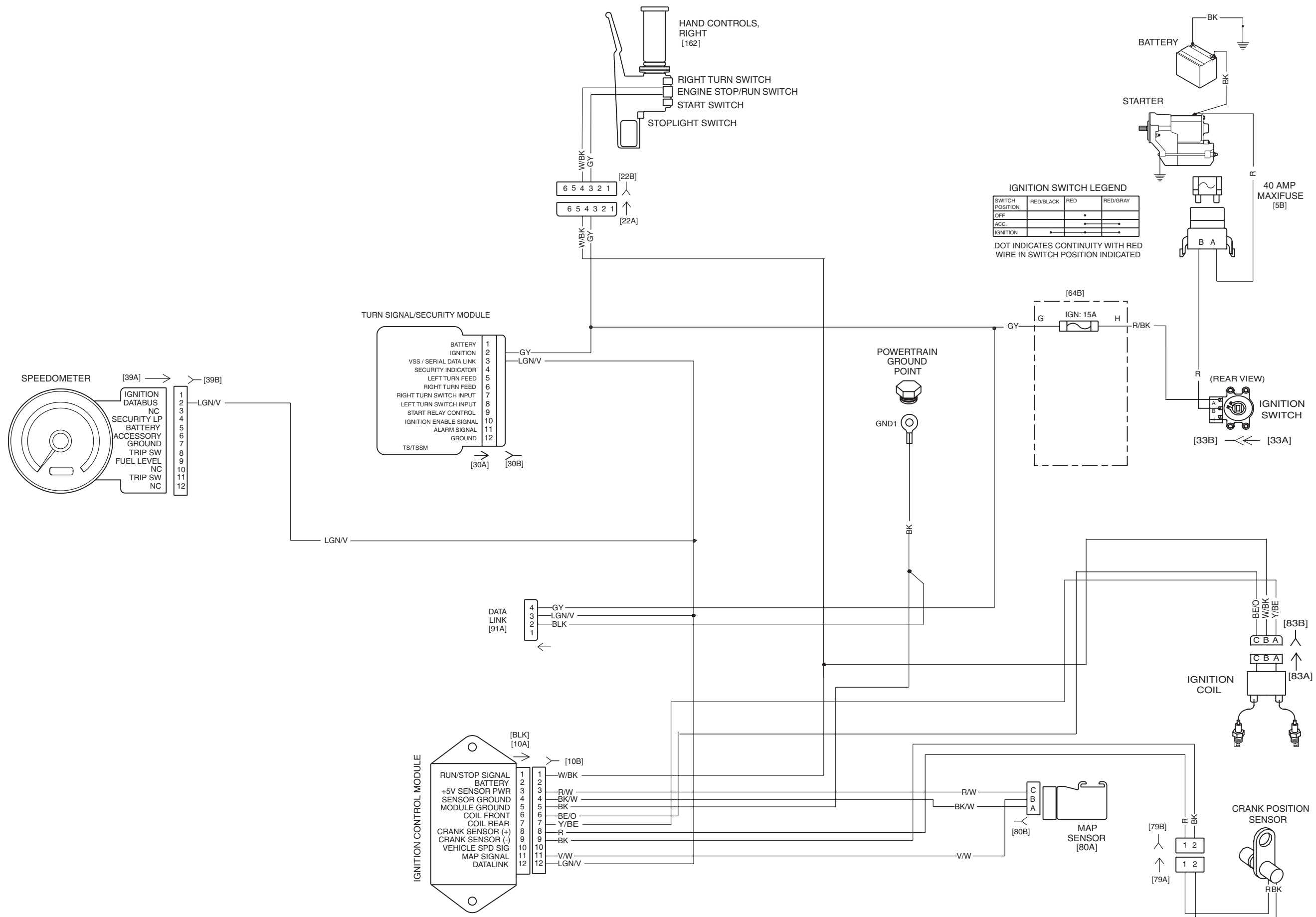
Wire Color Code Key

BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

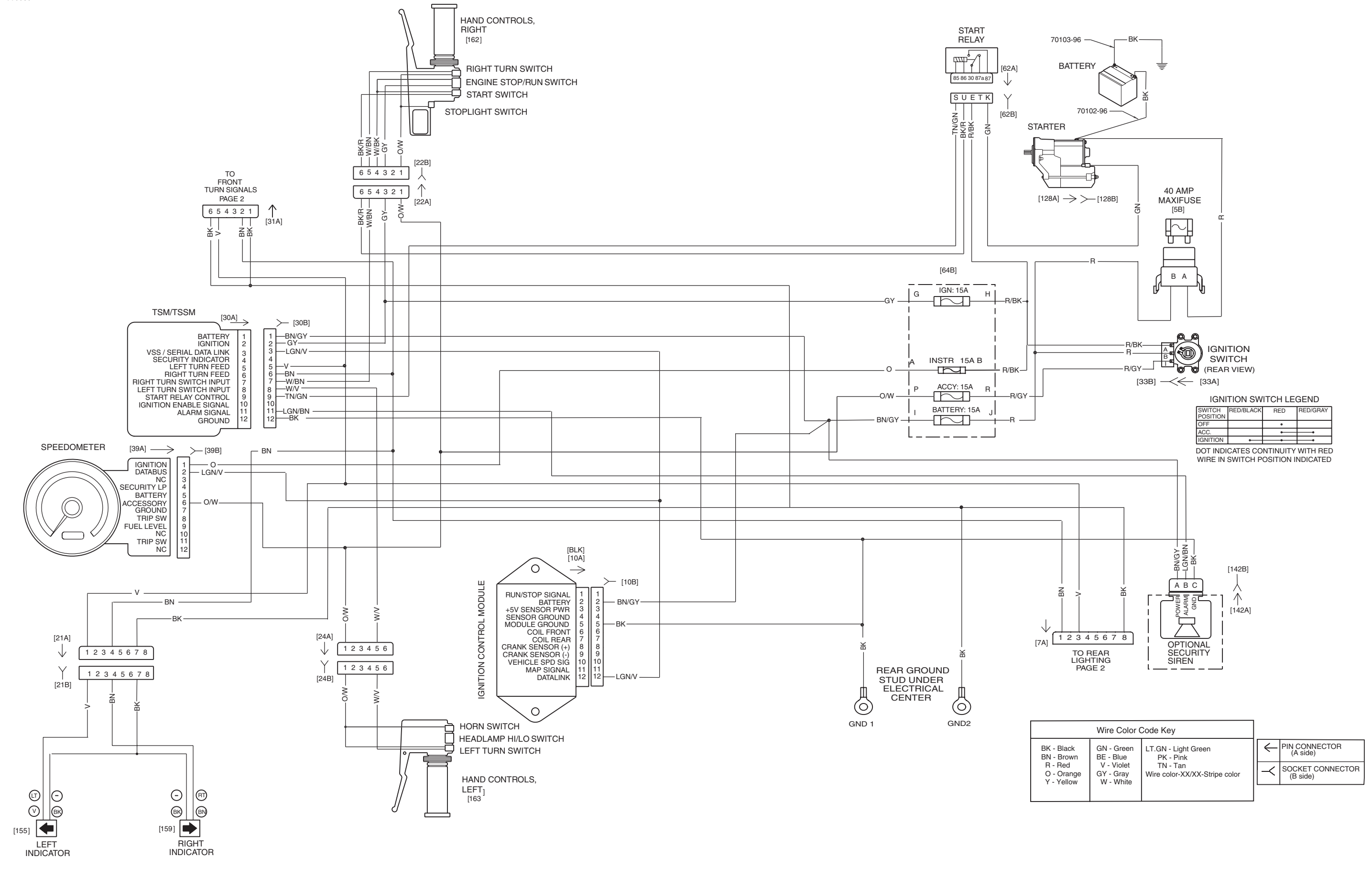
←	PIN CONNECTOR (A side)
↘	SOCKET CONNECTOR (B side)

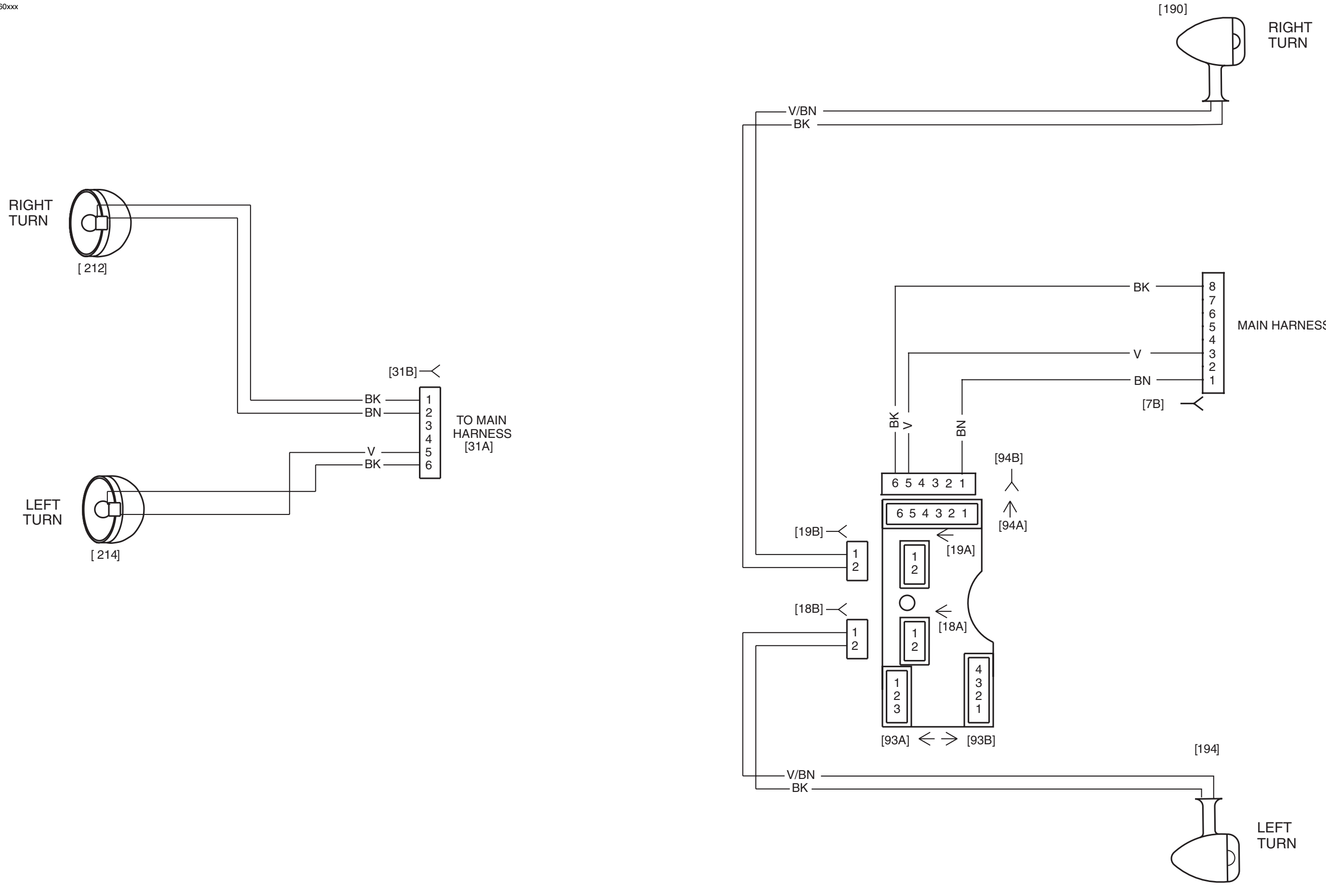


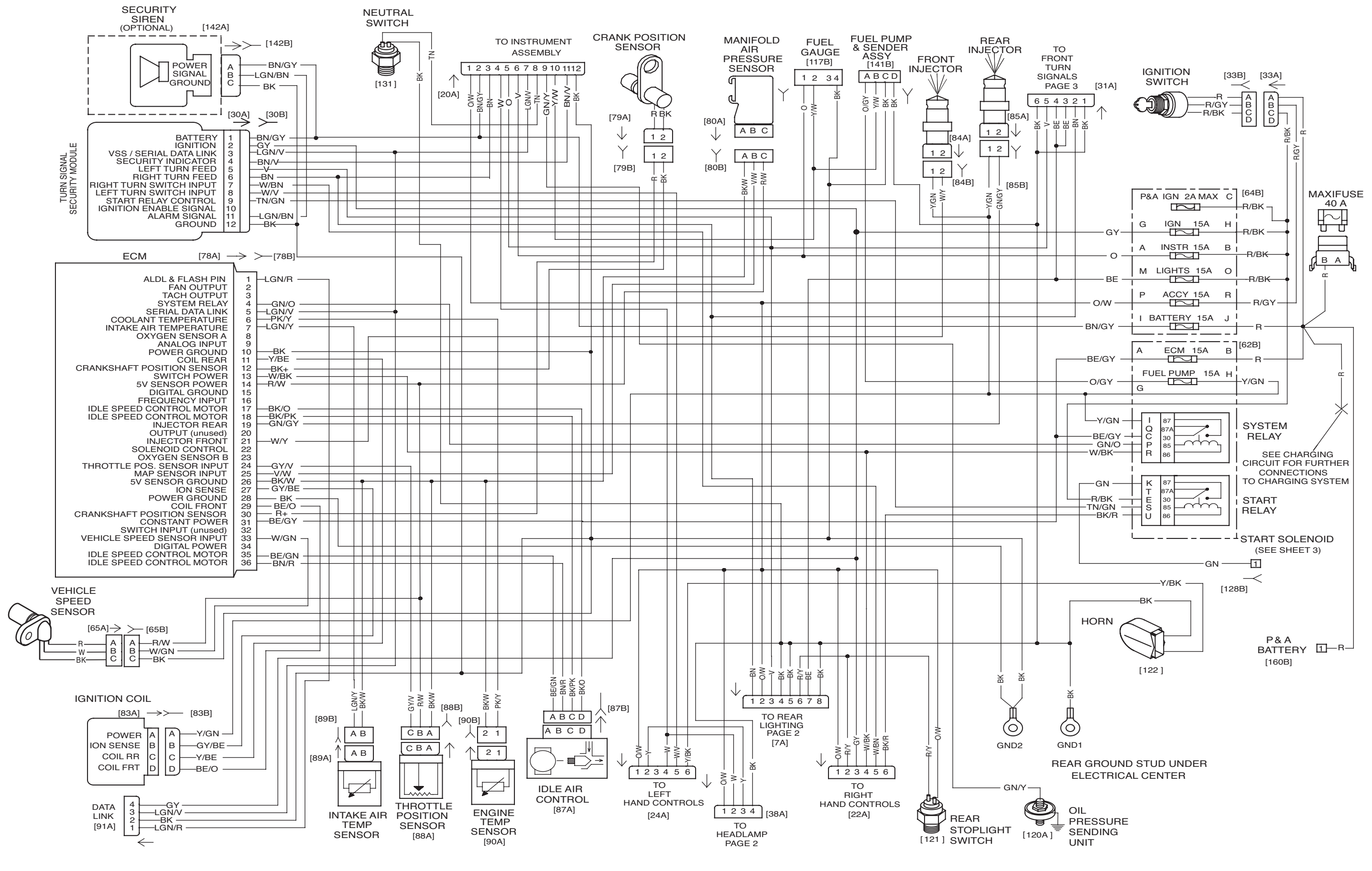
2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, STARTING CIRCUIT

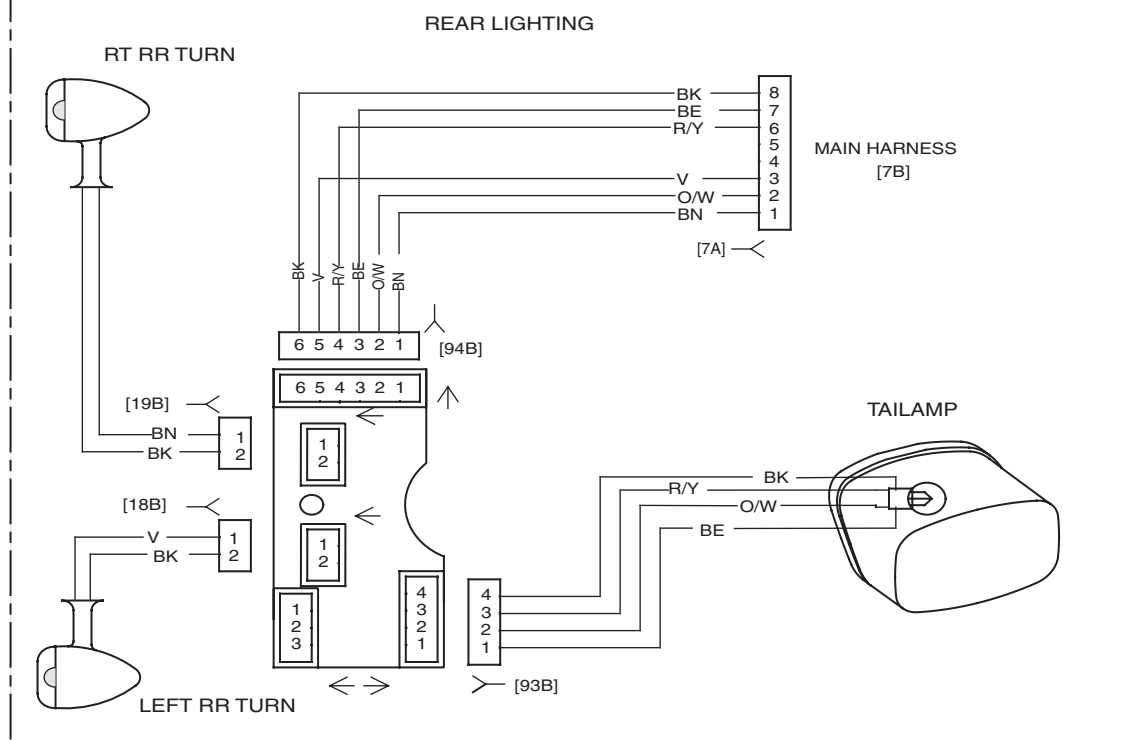
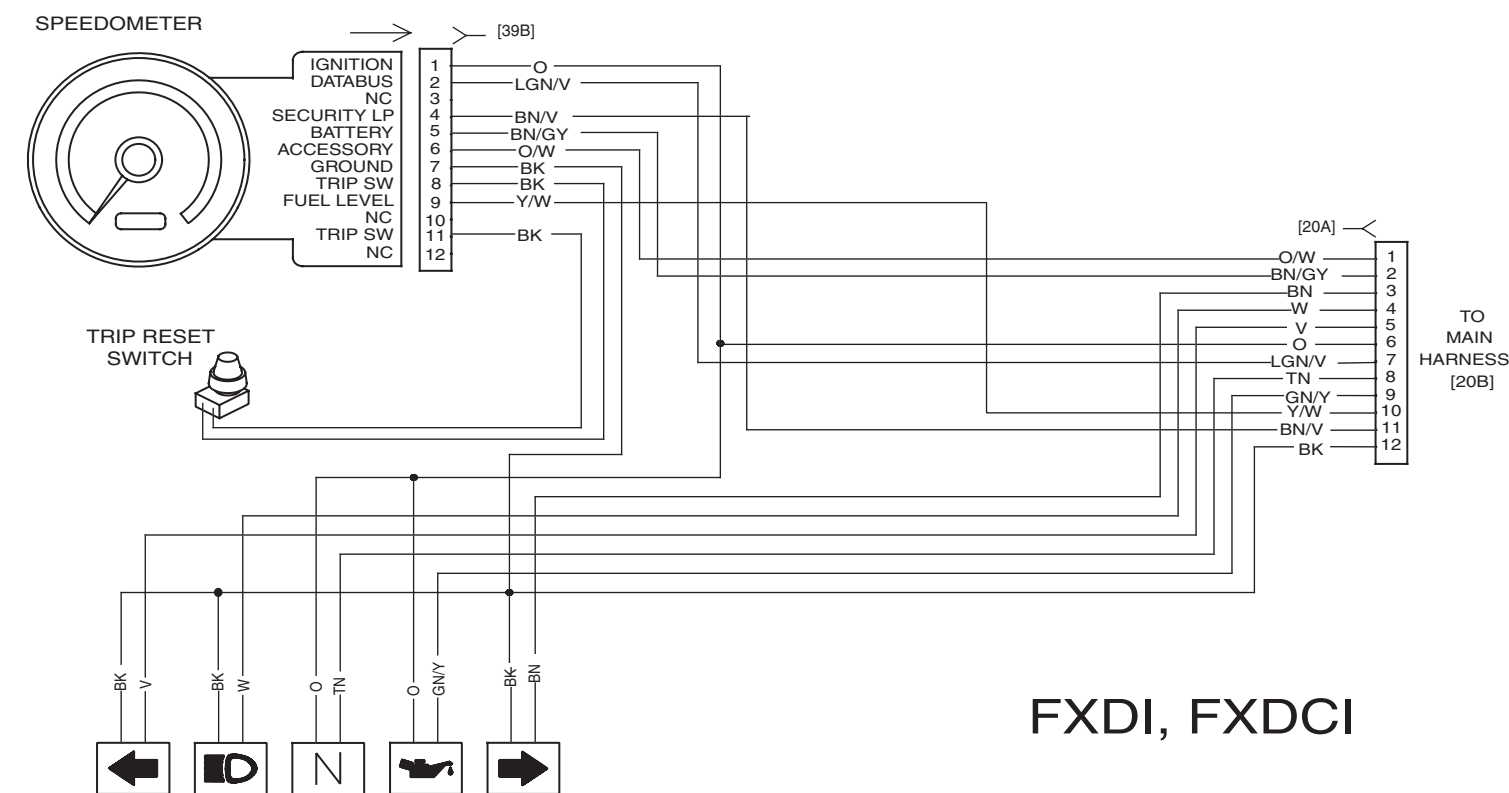
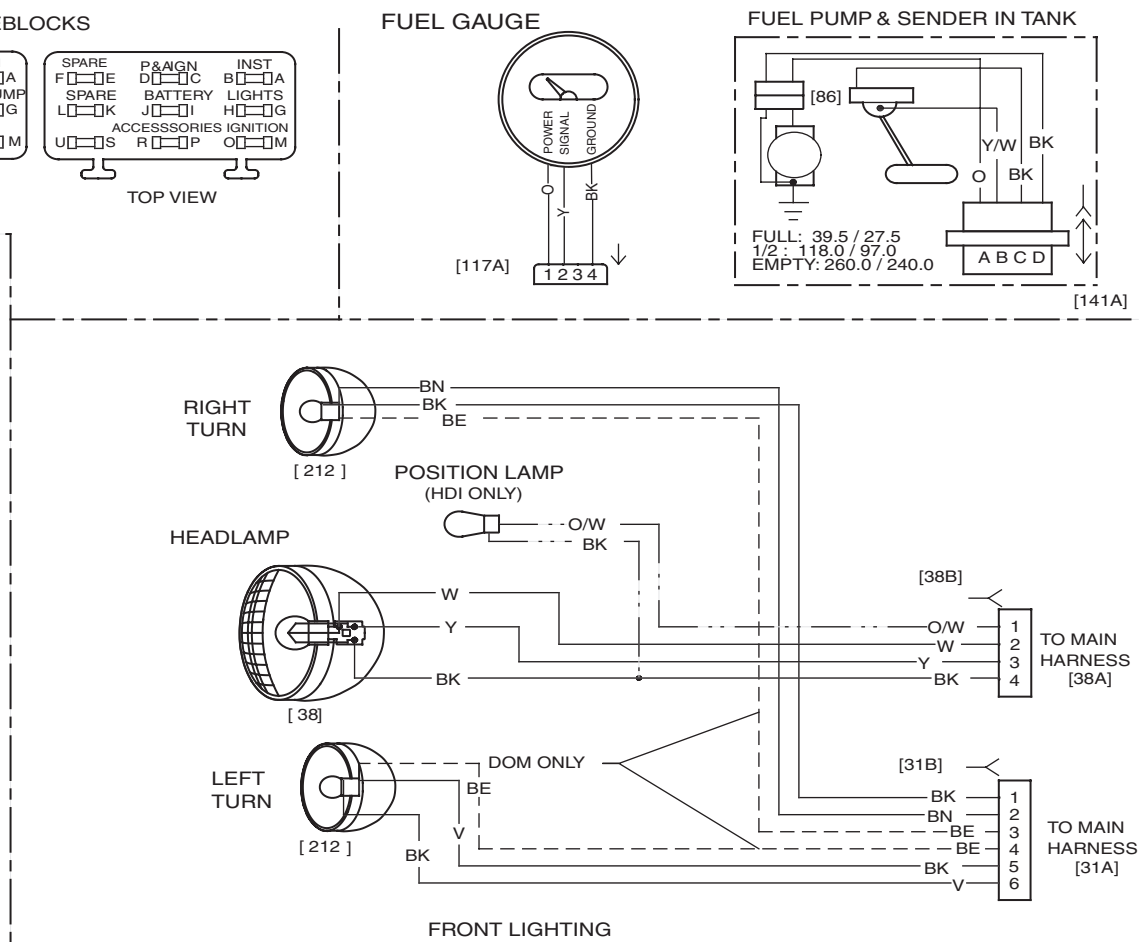
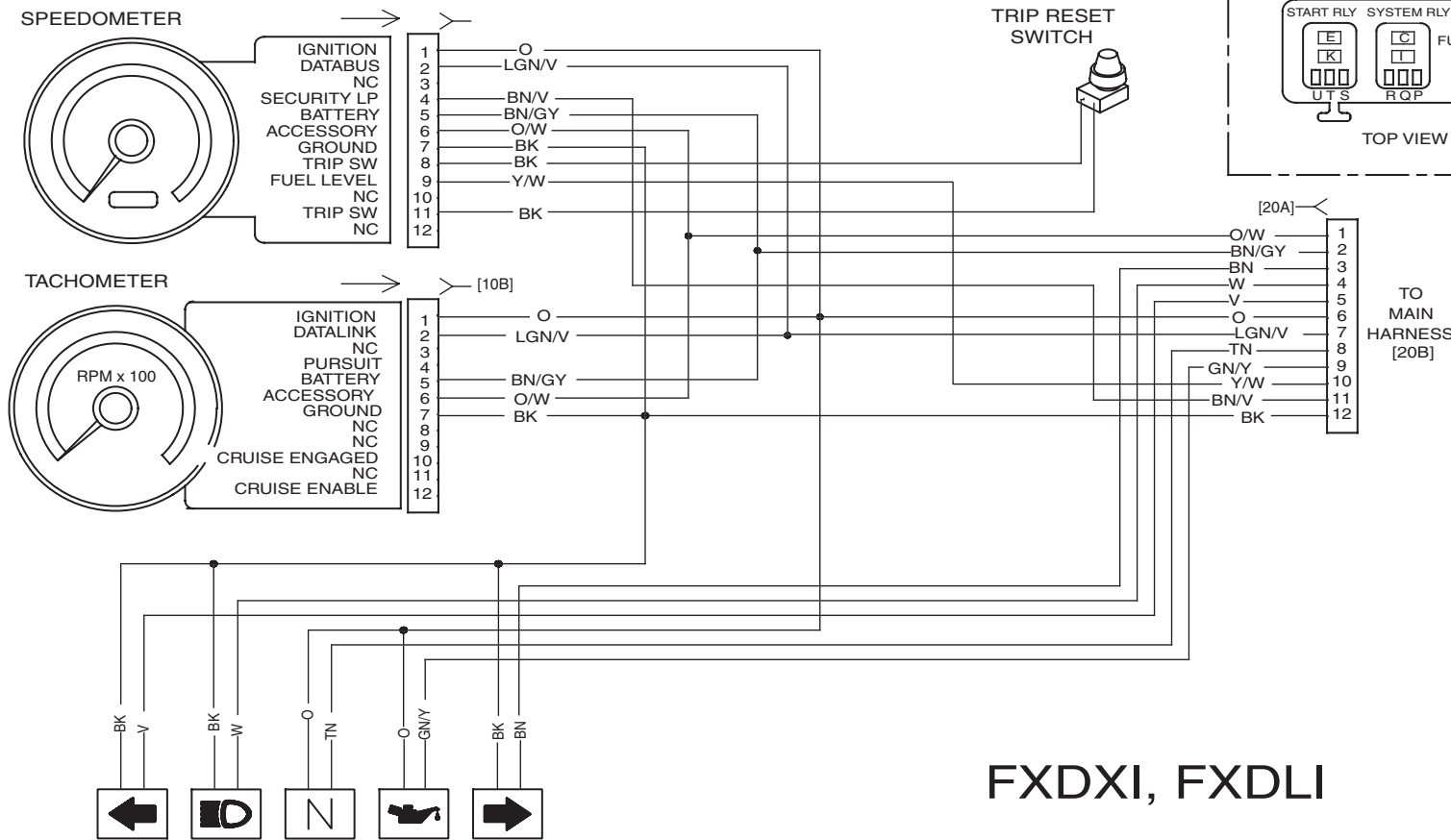


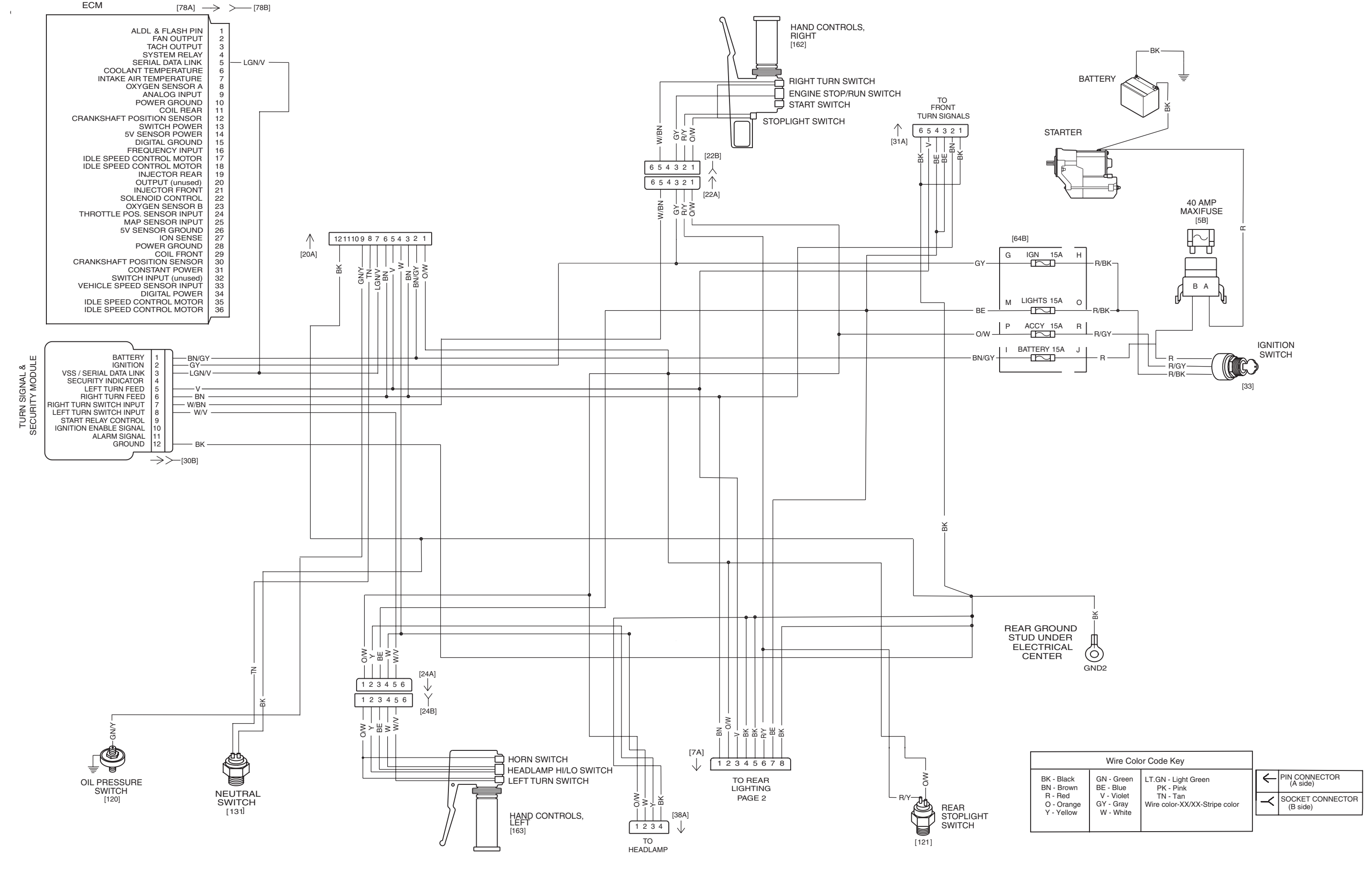
2005 ALL CARBURETED FXDWG DOM. and INT. MODELS, IGNITION CIRCUIT

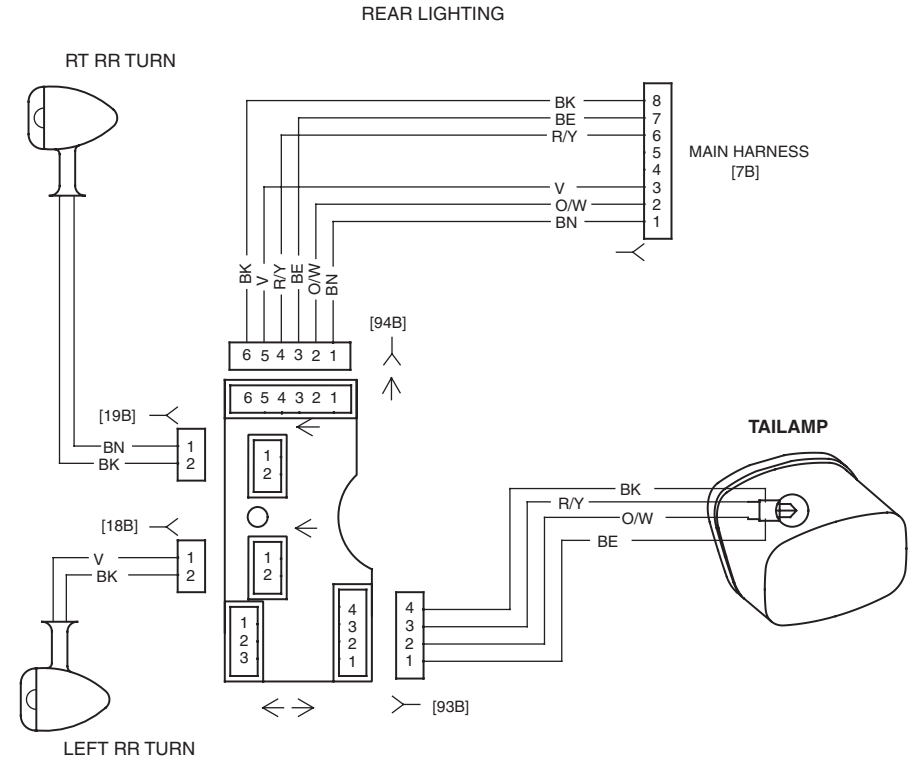
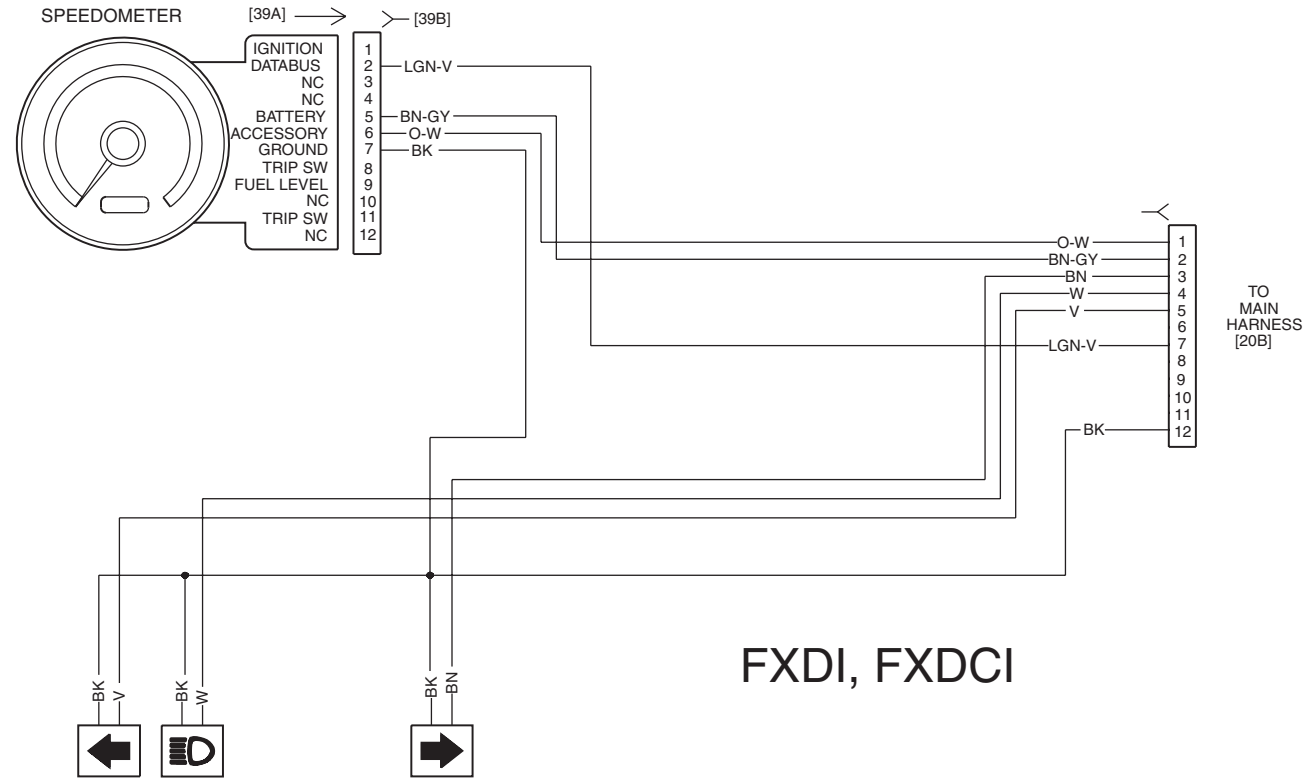
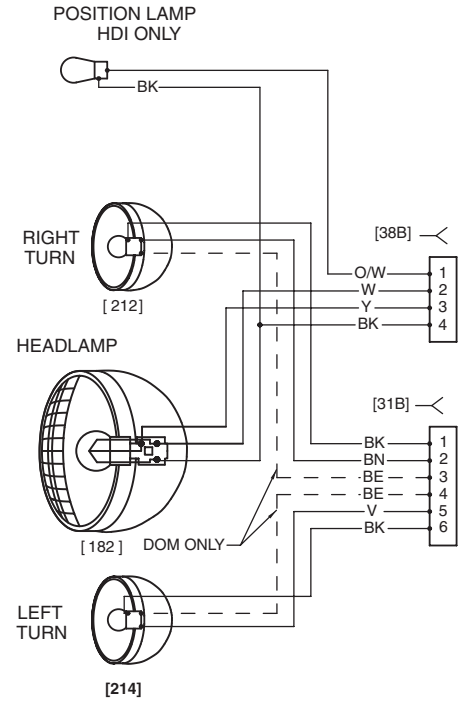
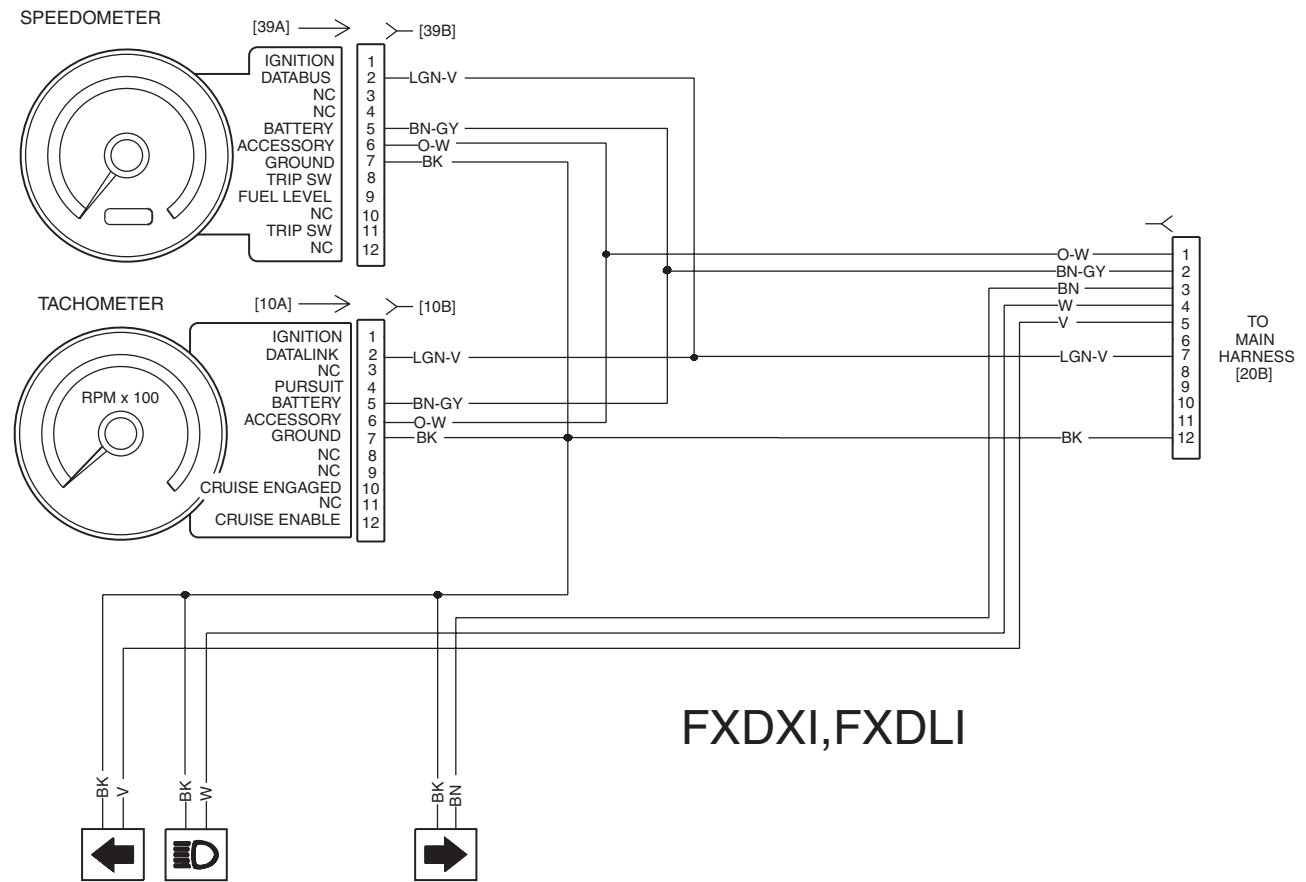


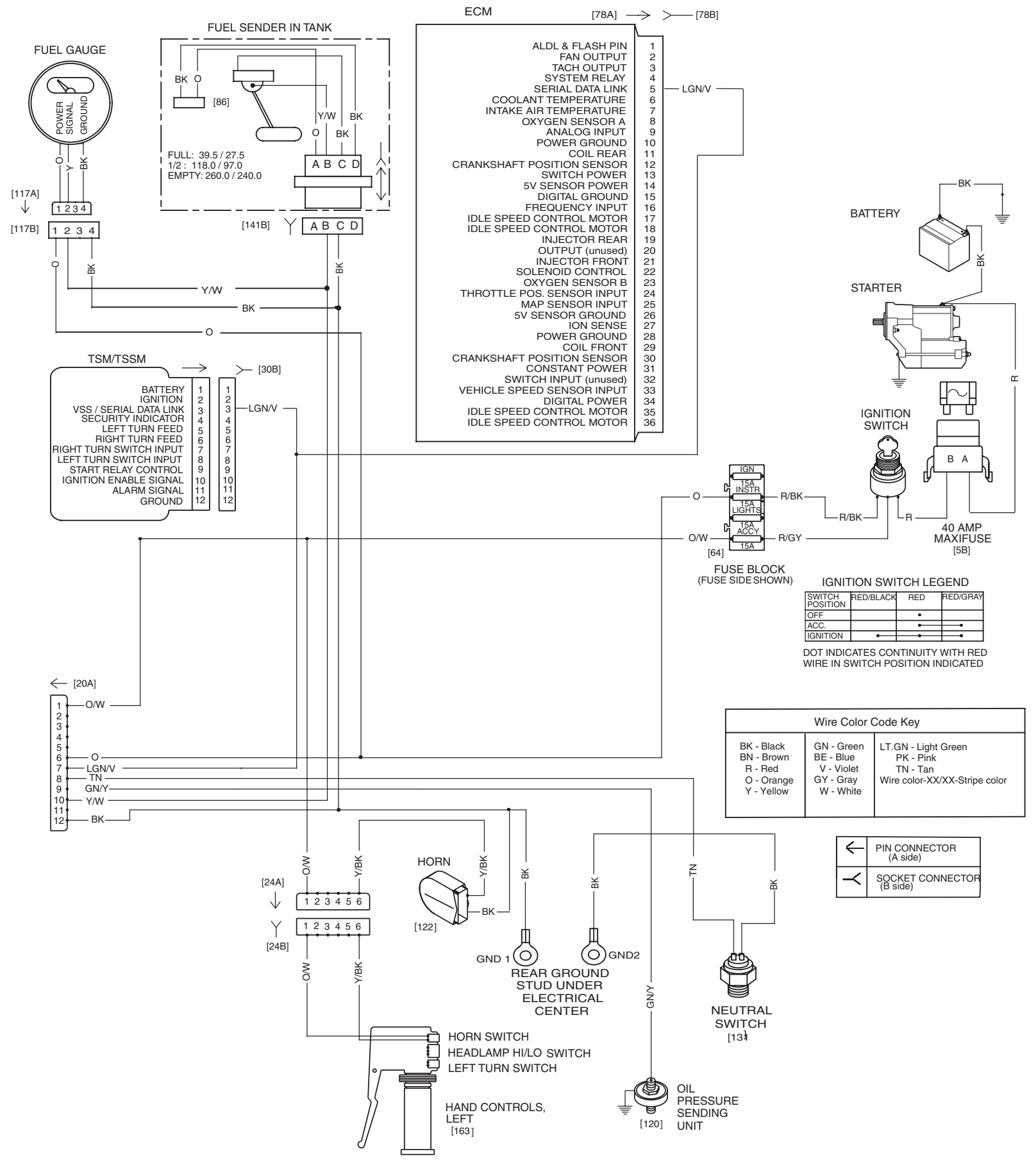
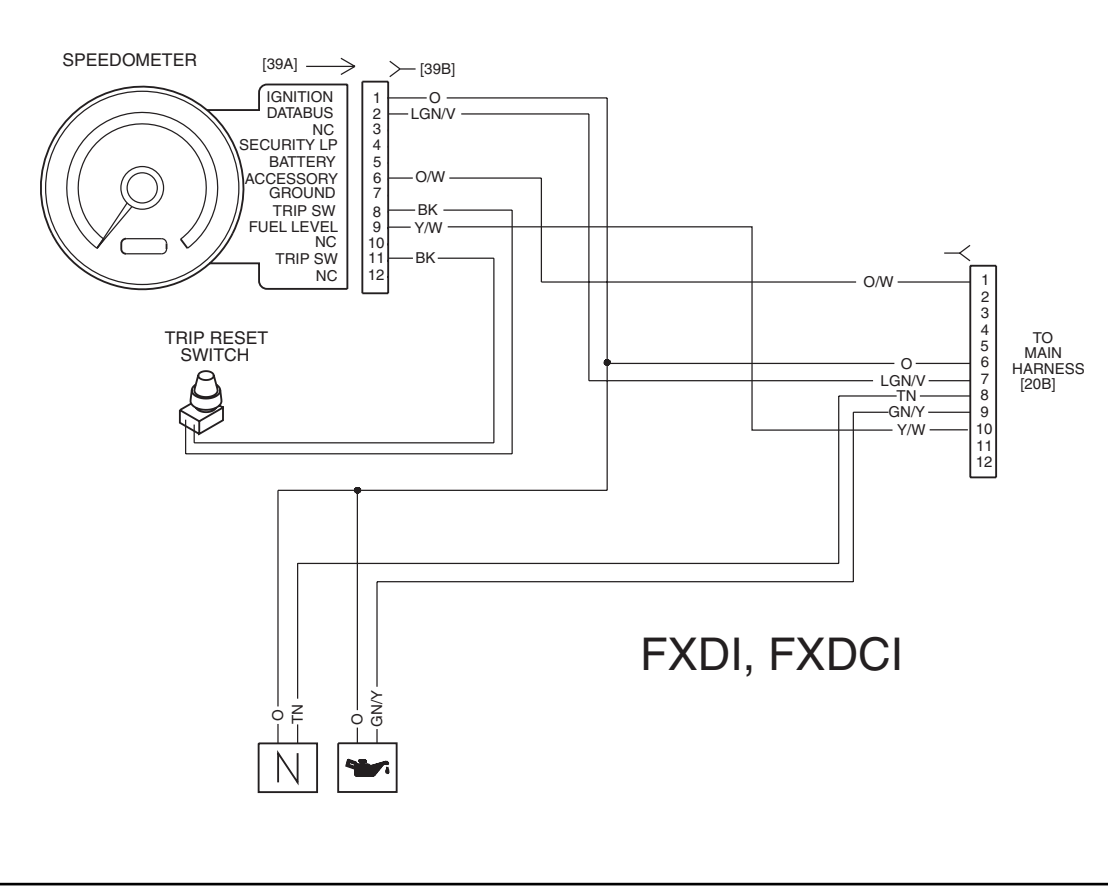
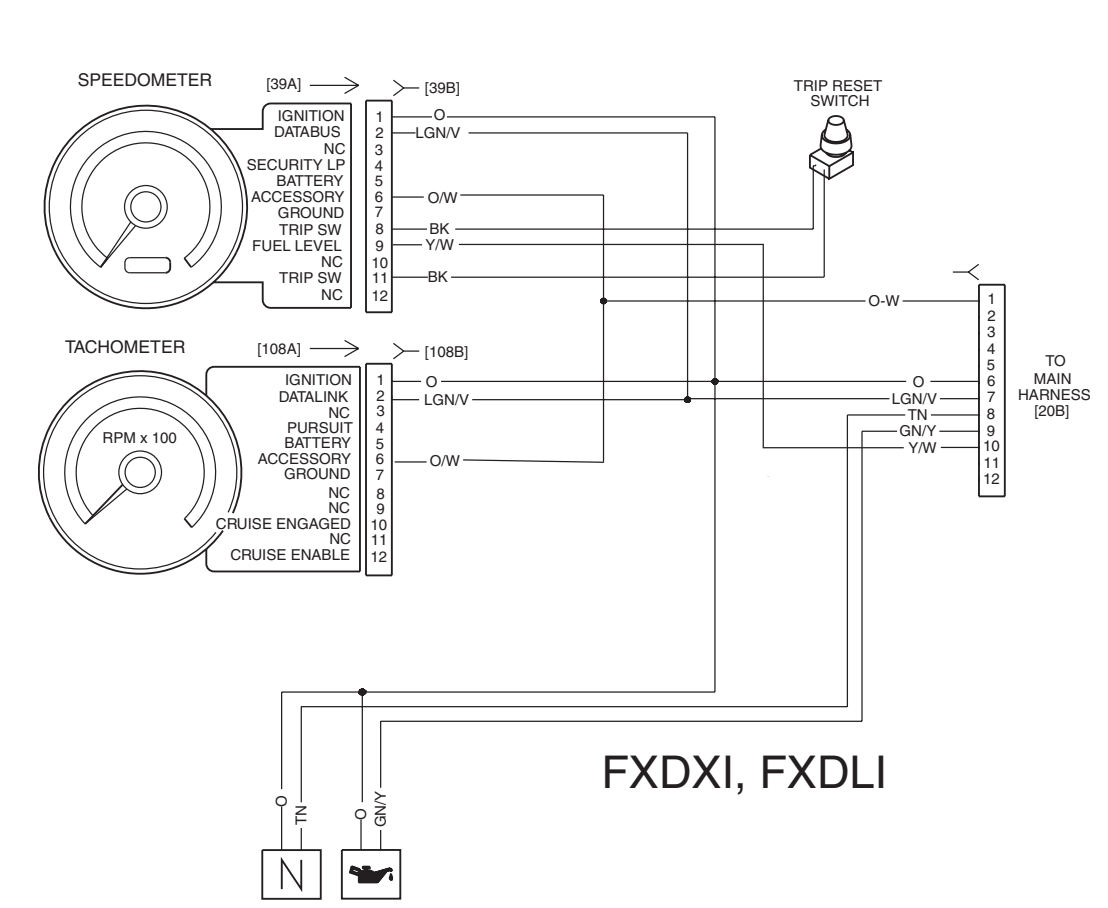


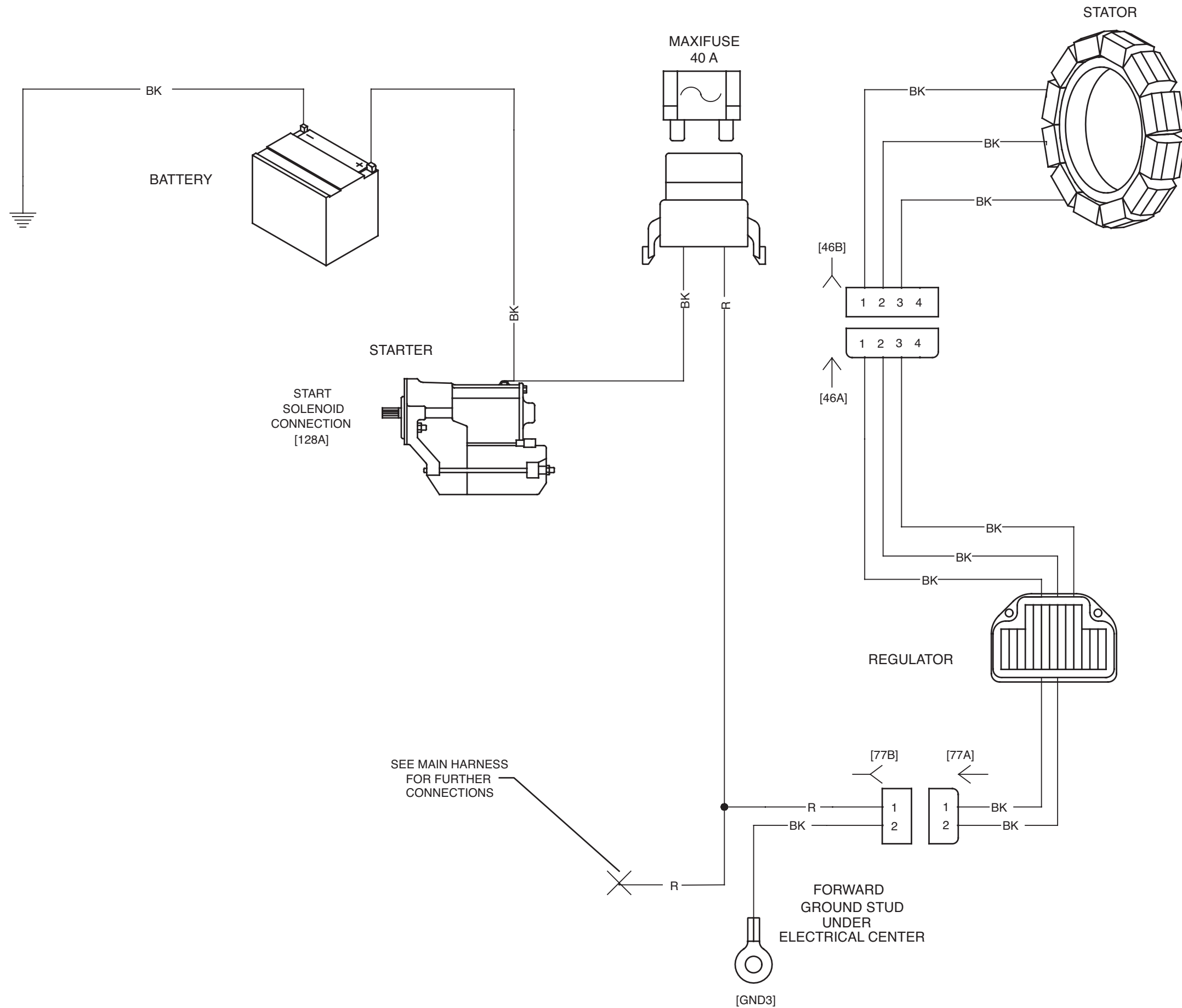


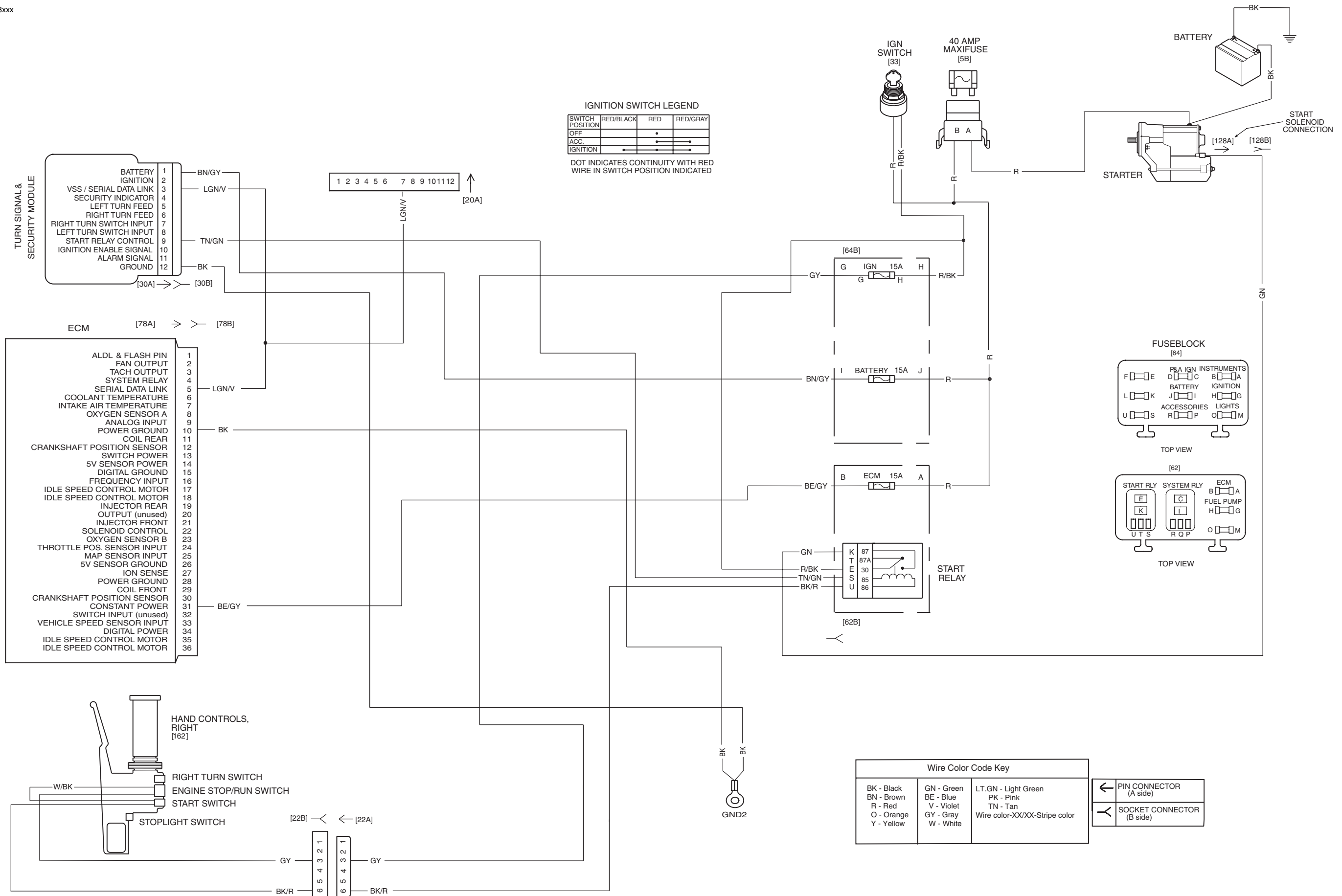


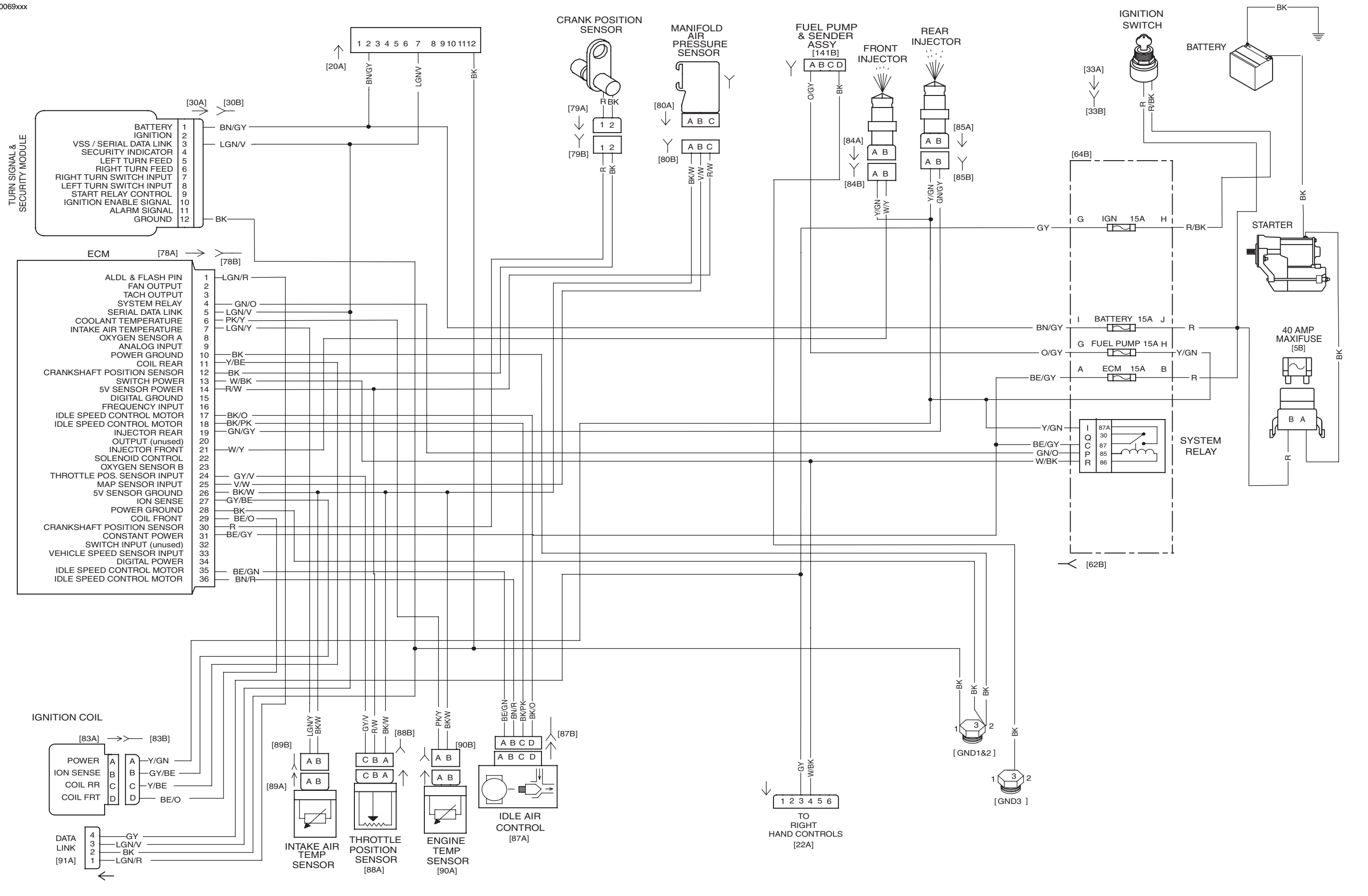


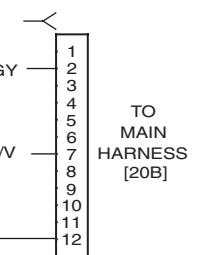
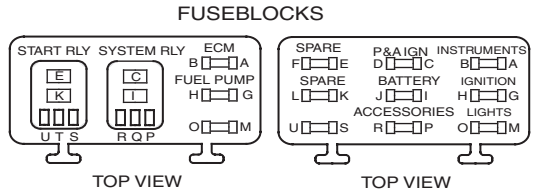
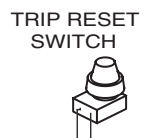
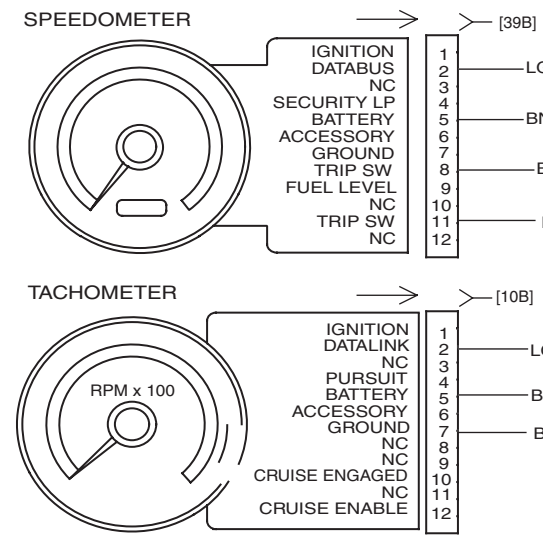




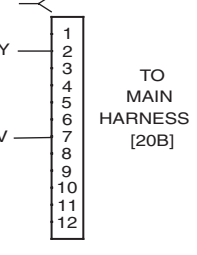
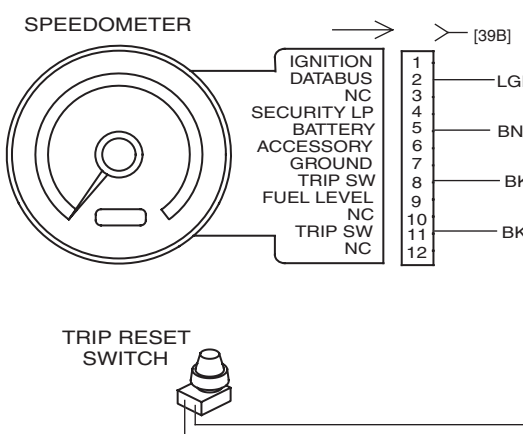
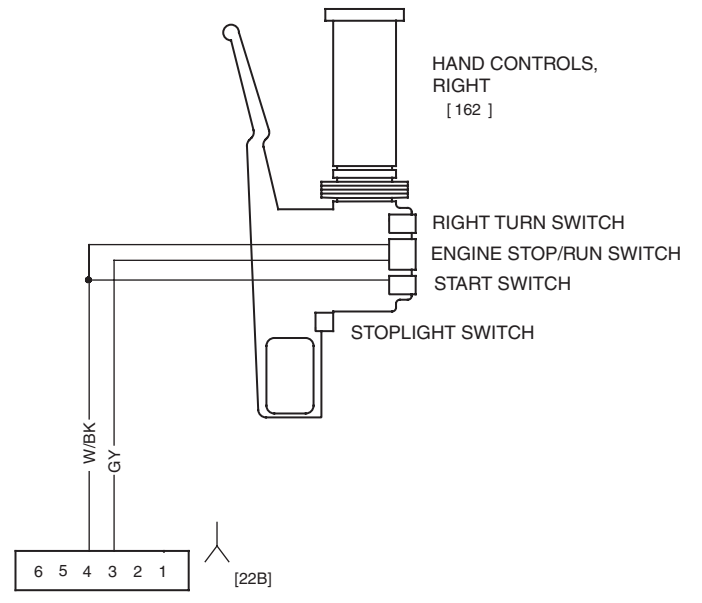




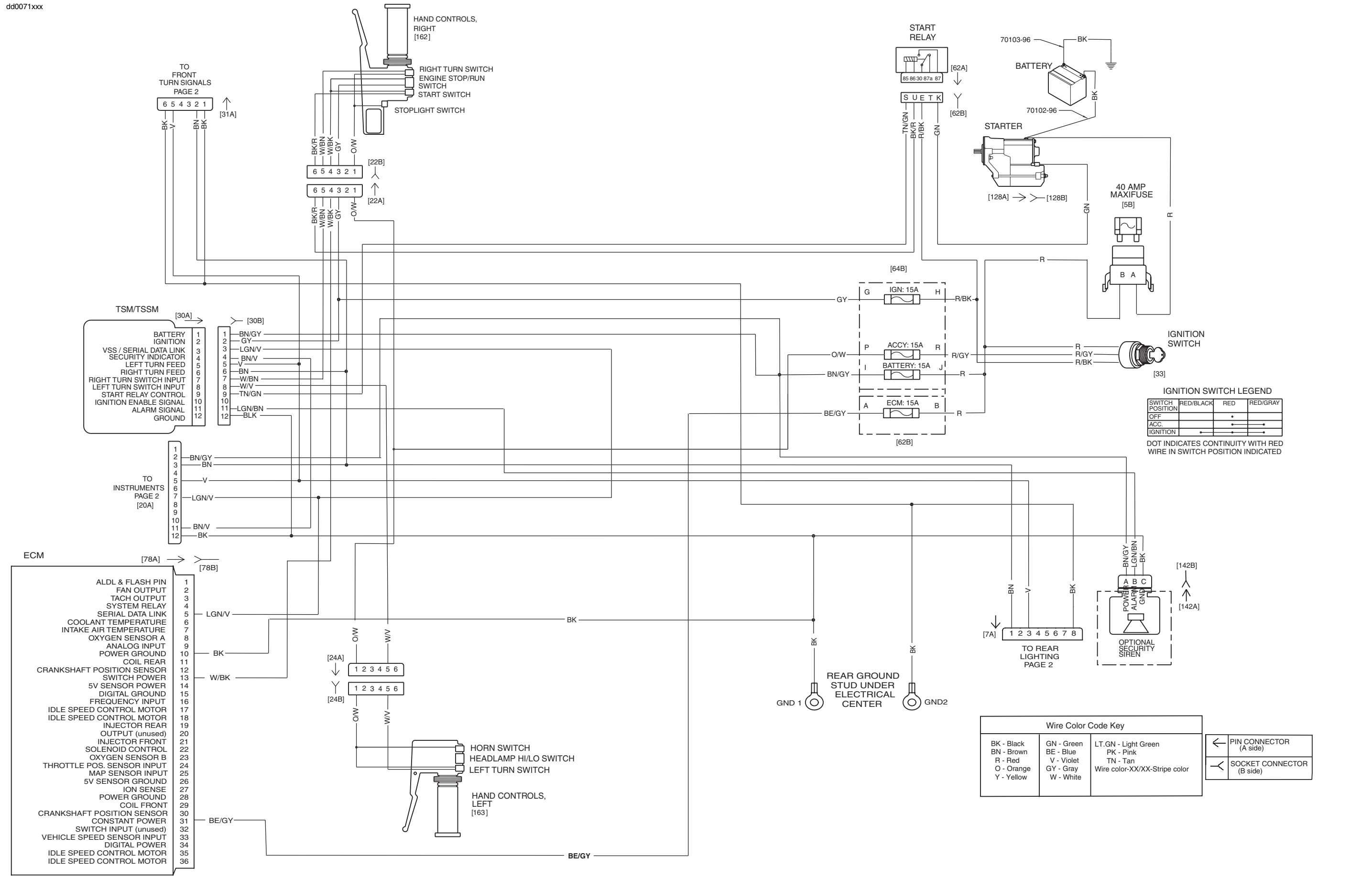


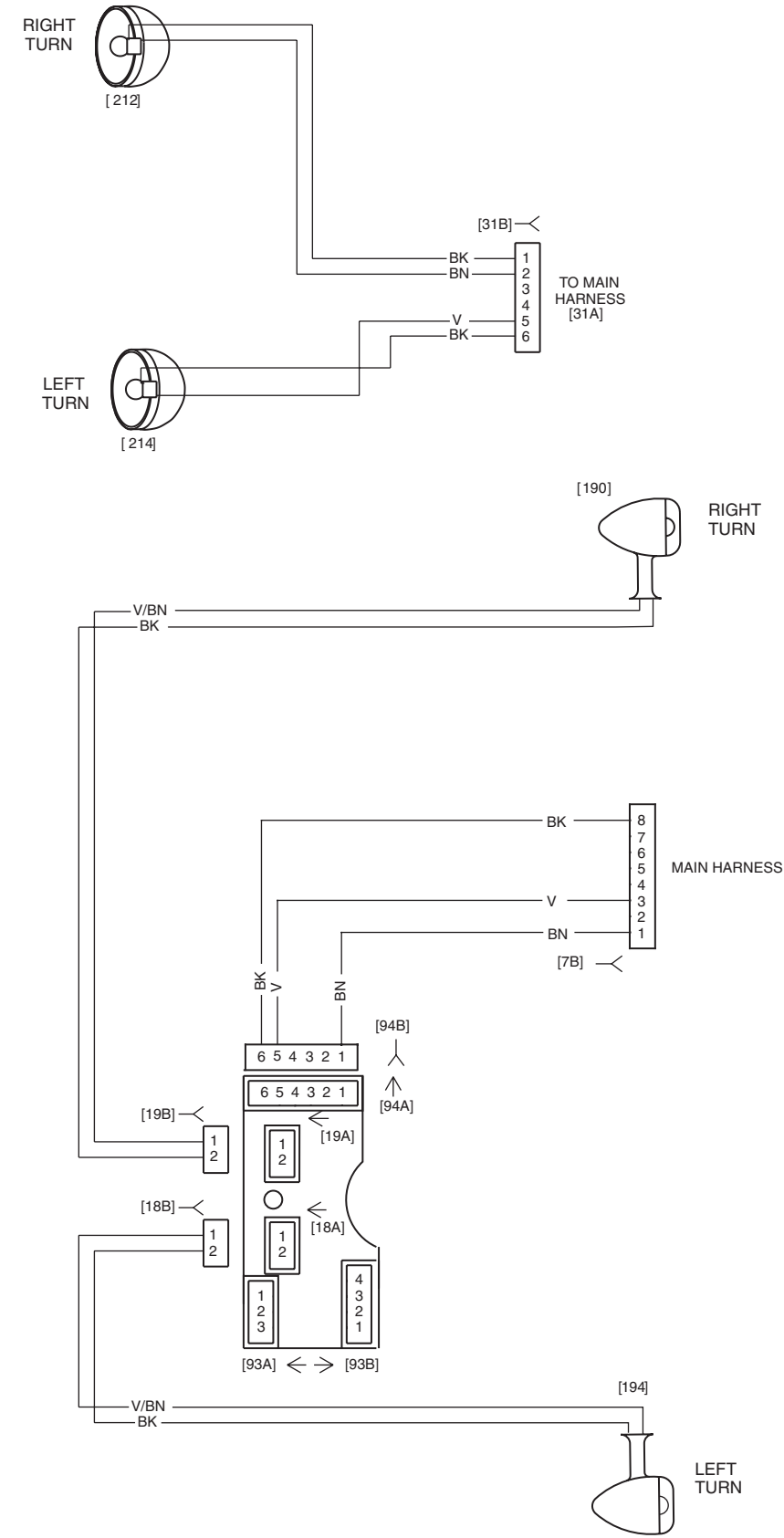
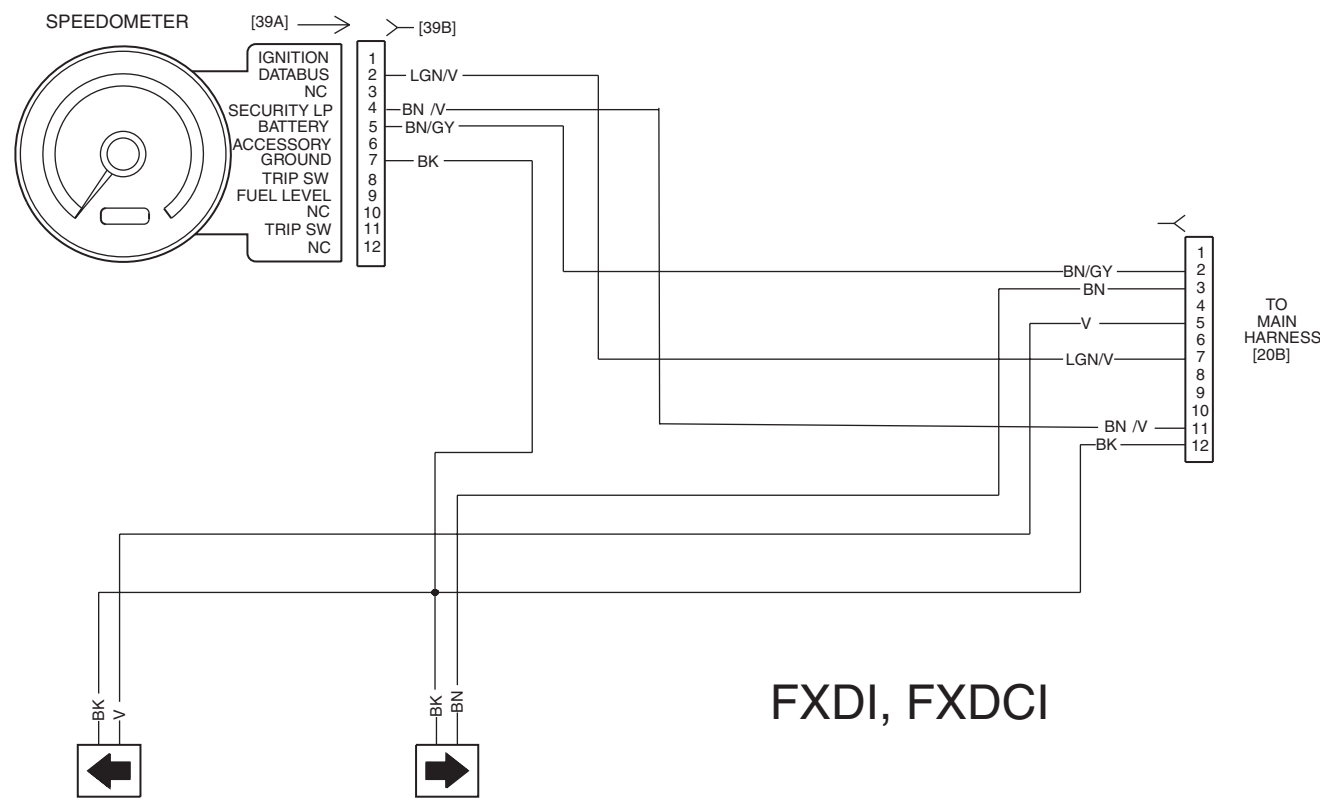
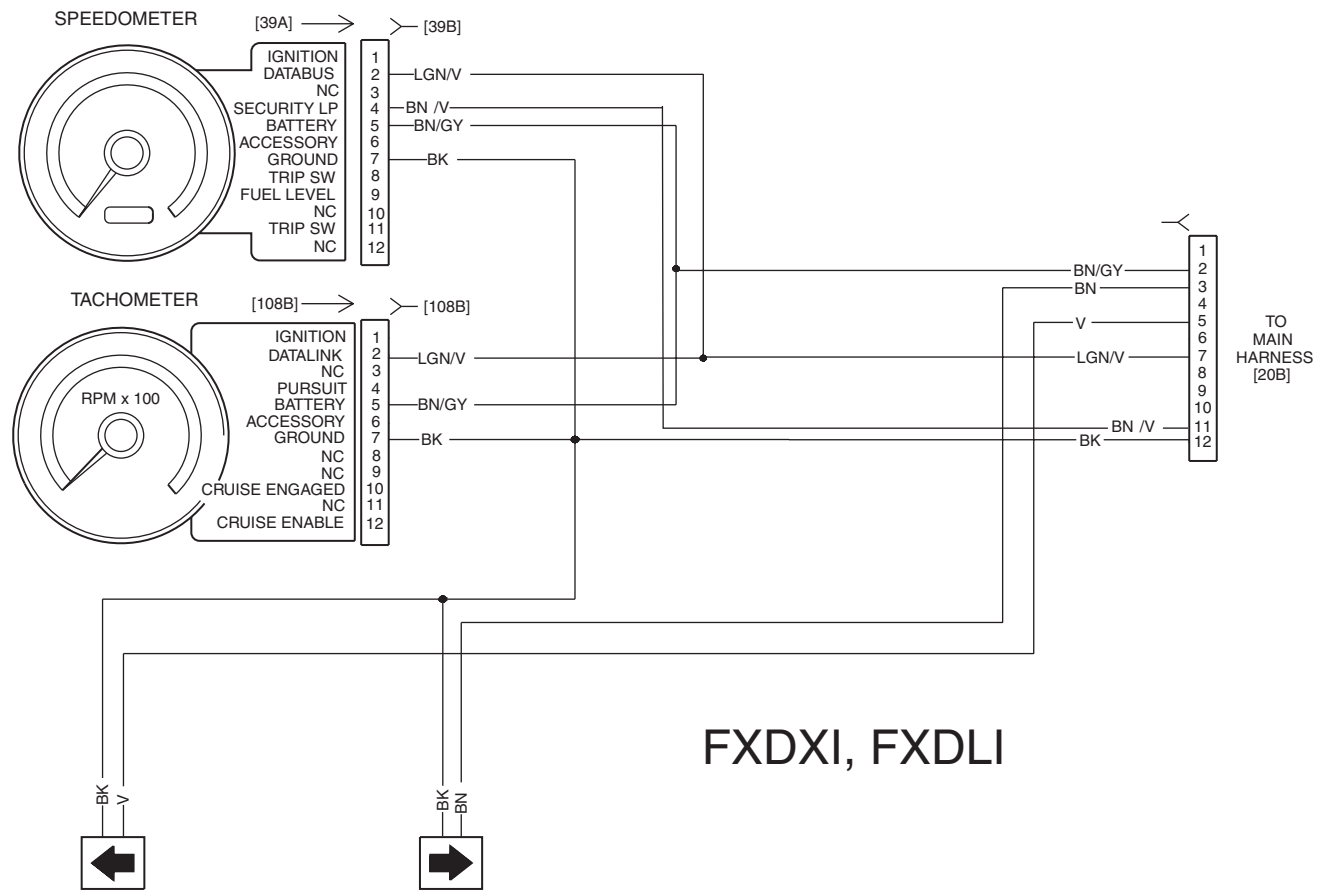


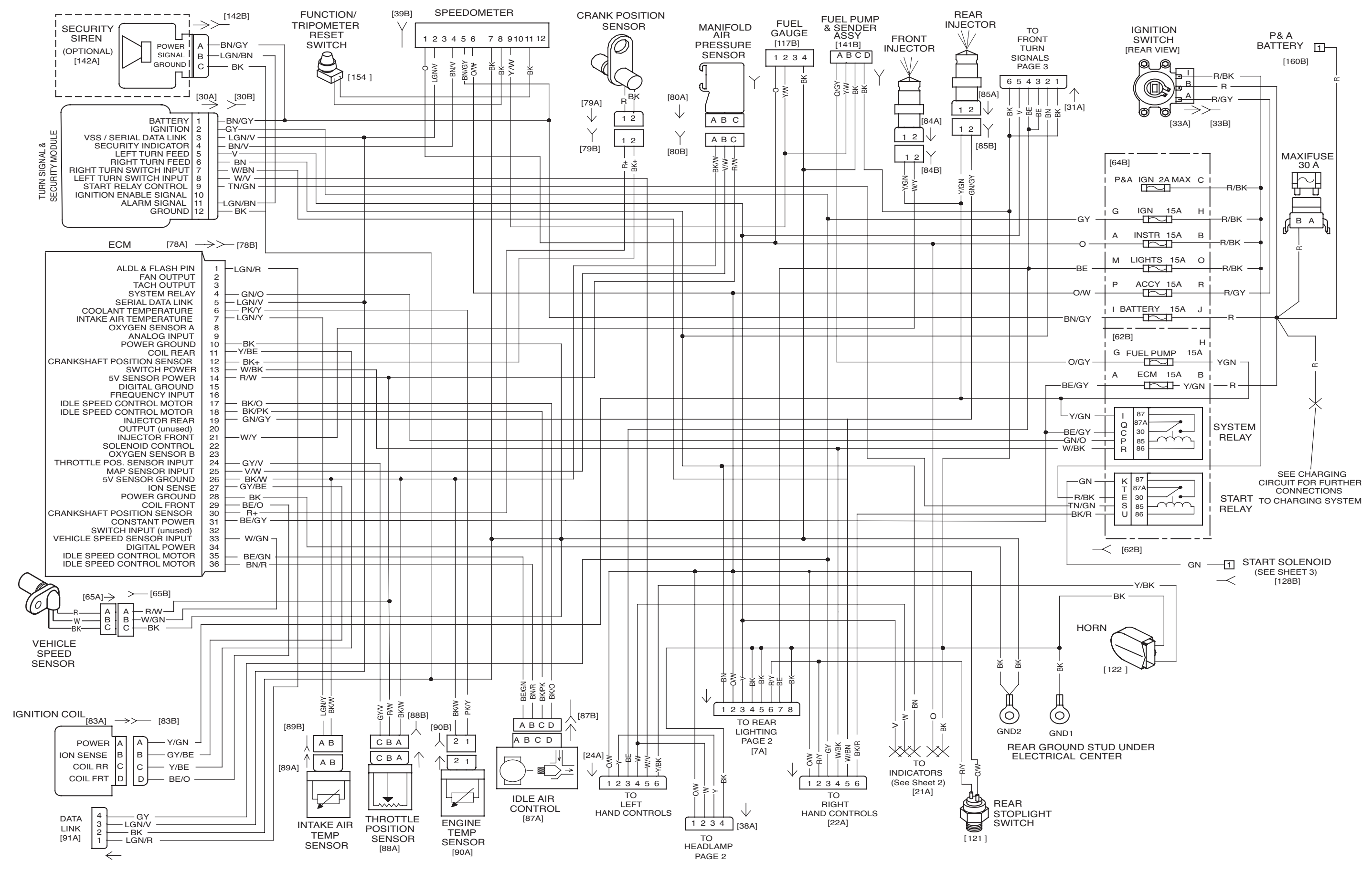
FXDXI, FXDLI

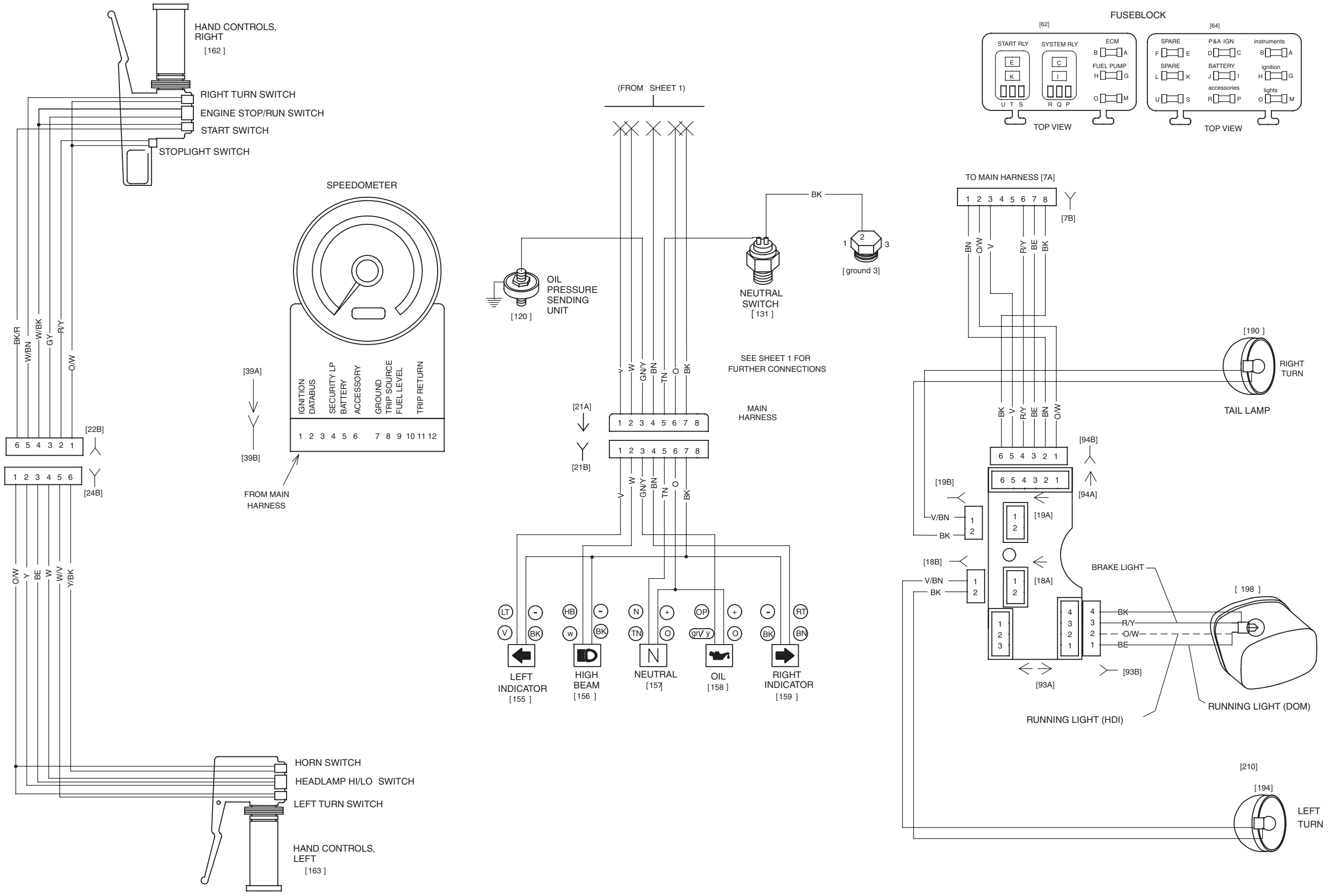


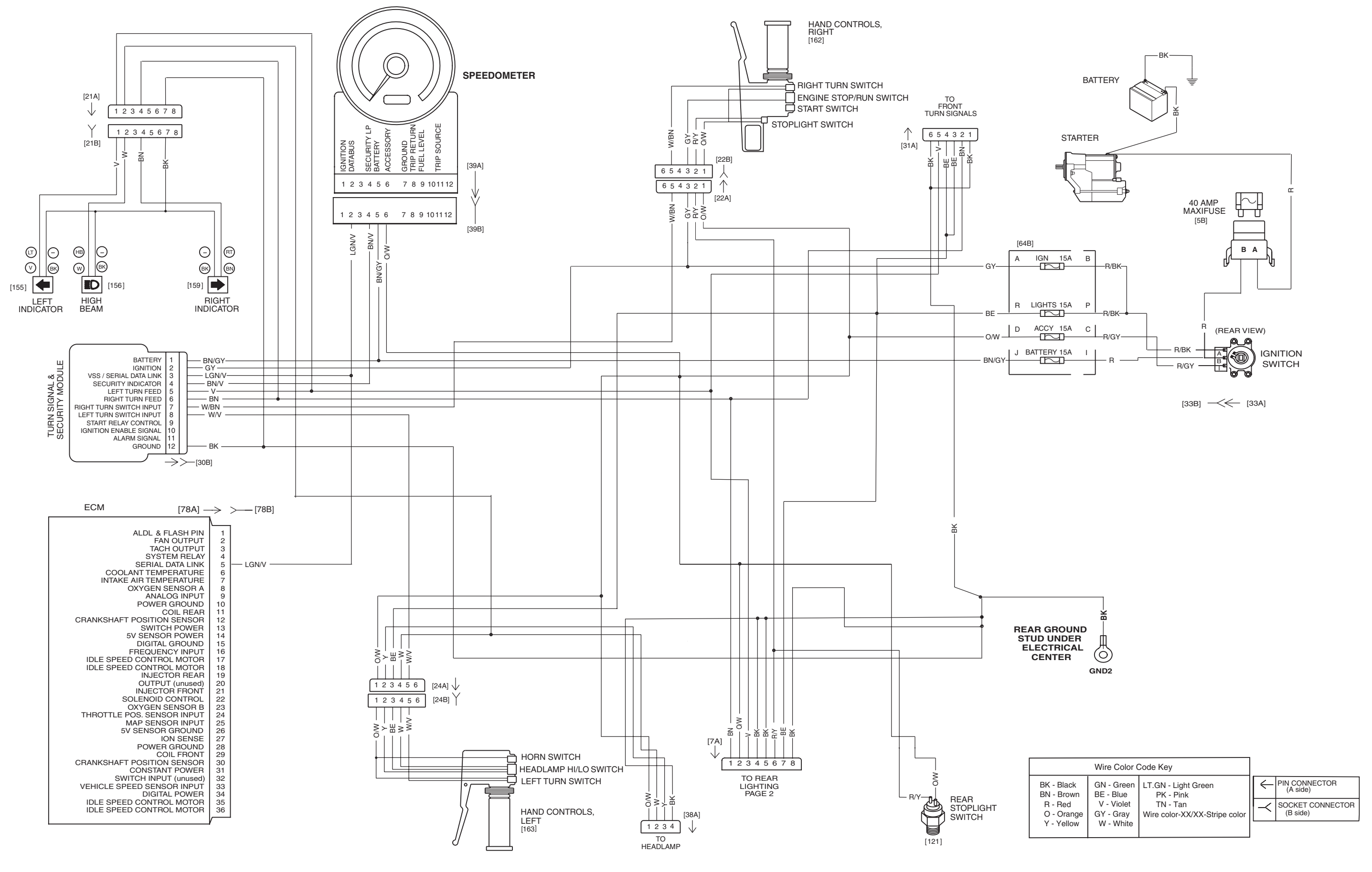
FXDI, FXDCI

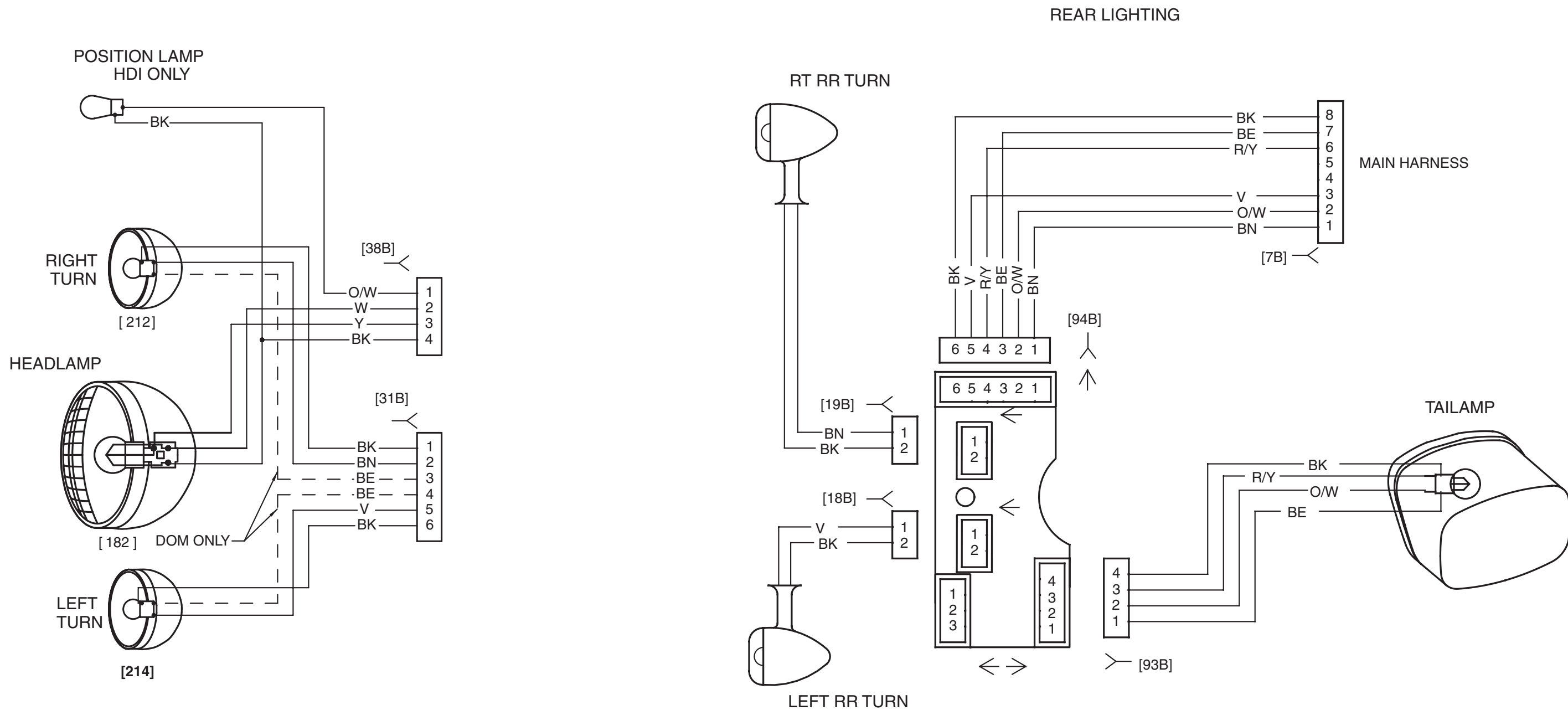


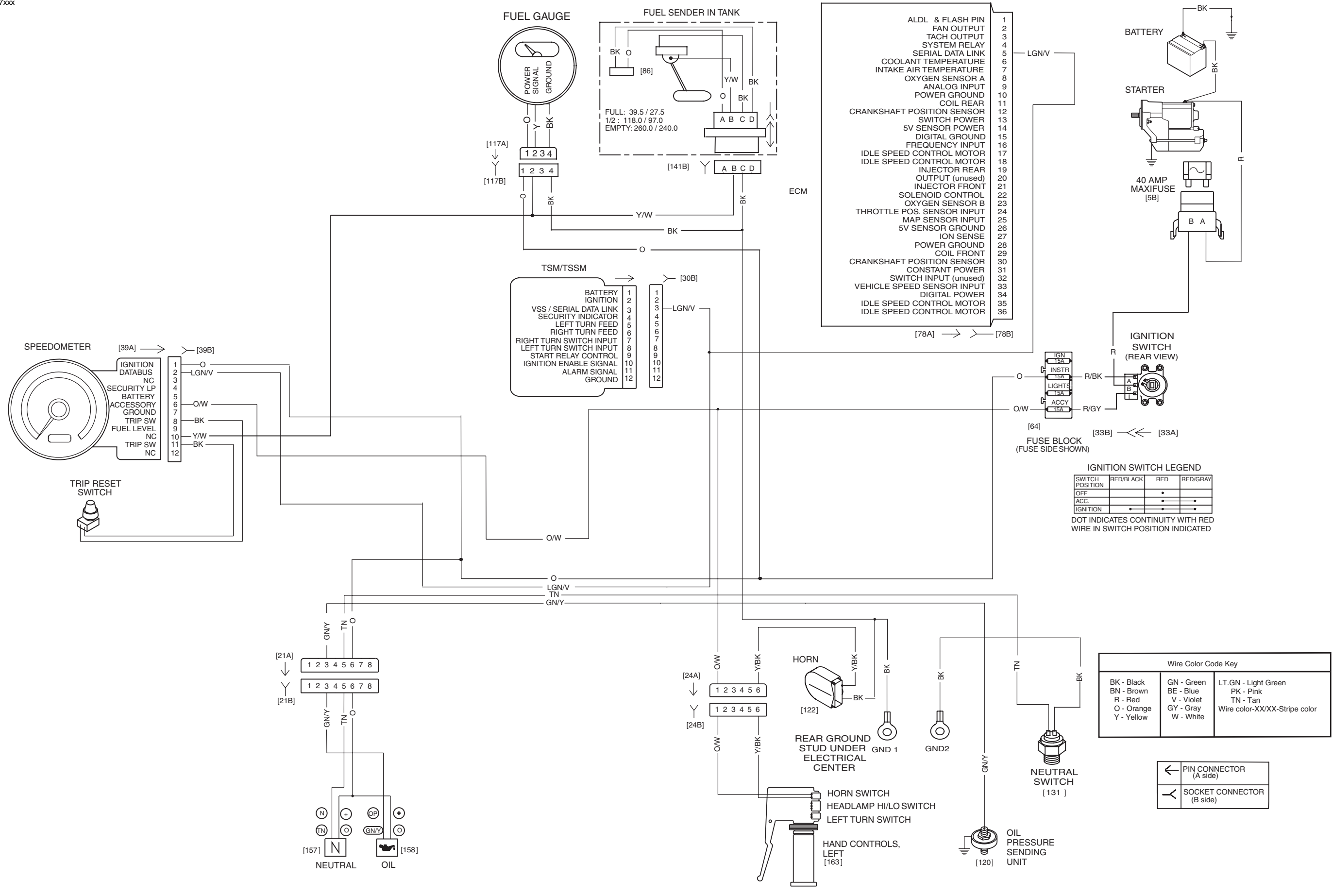


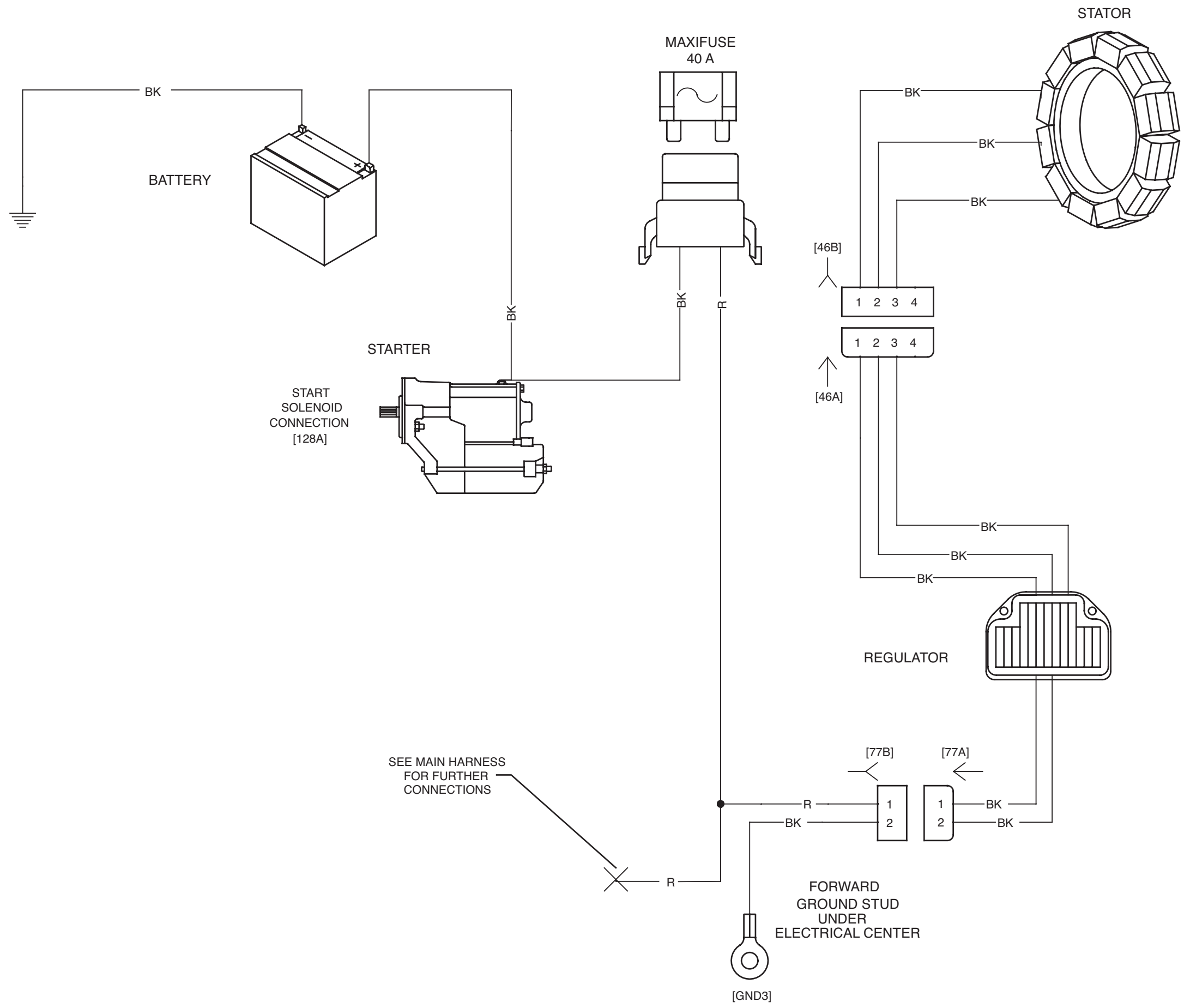


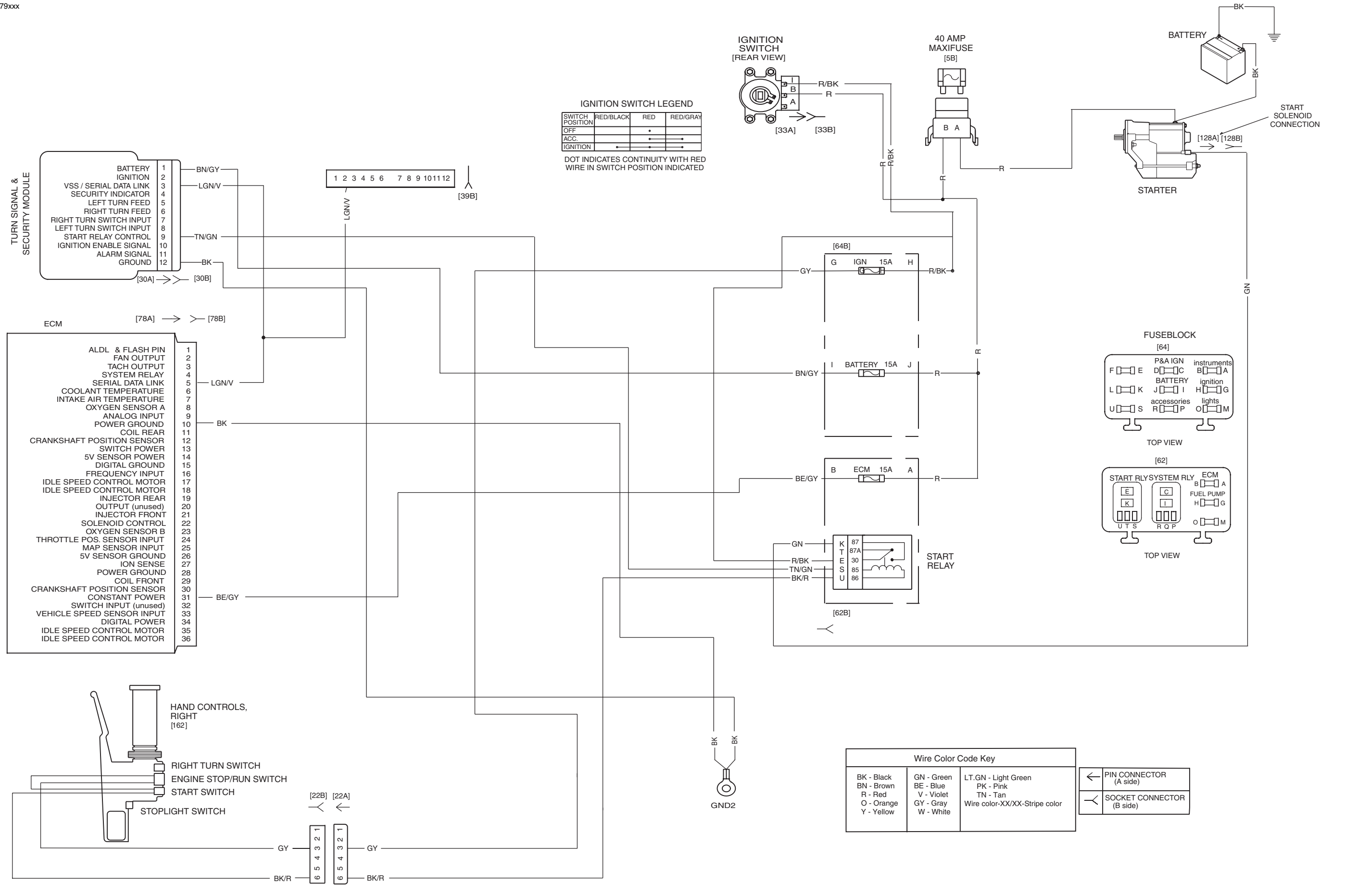


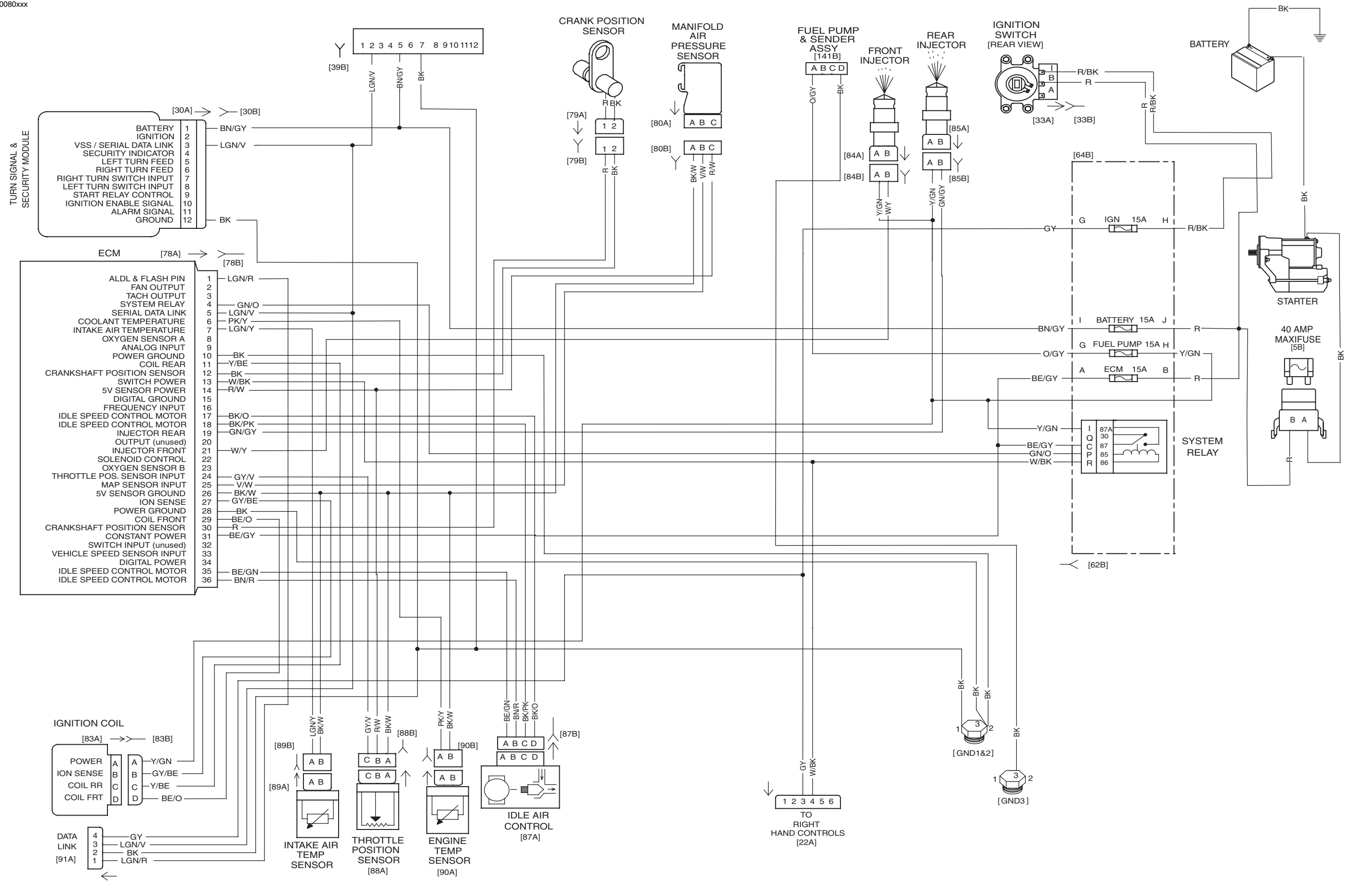




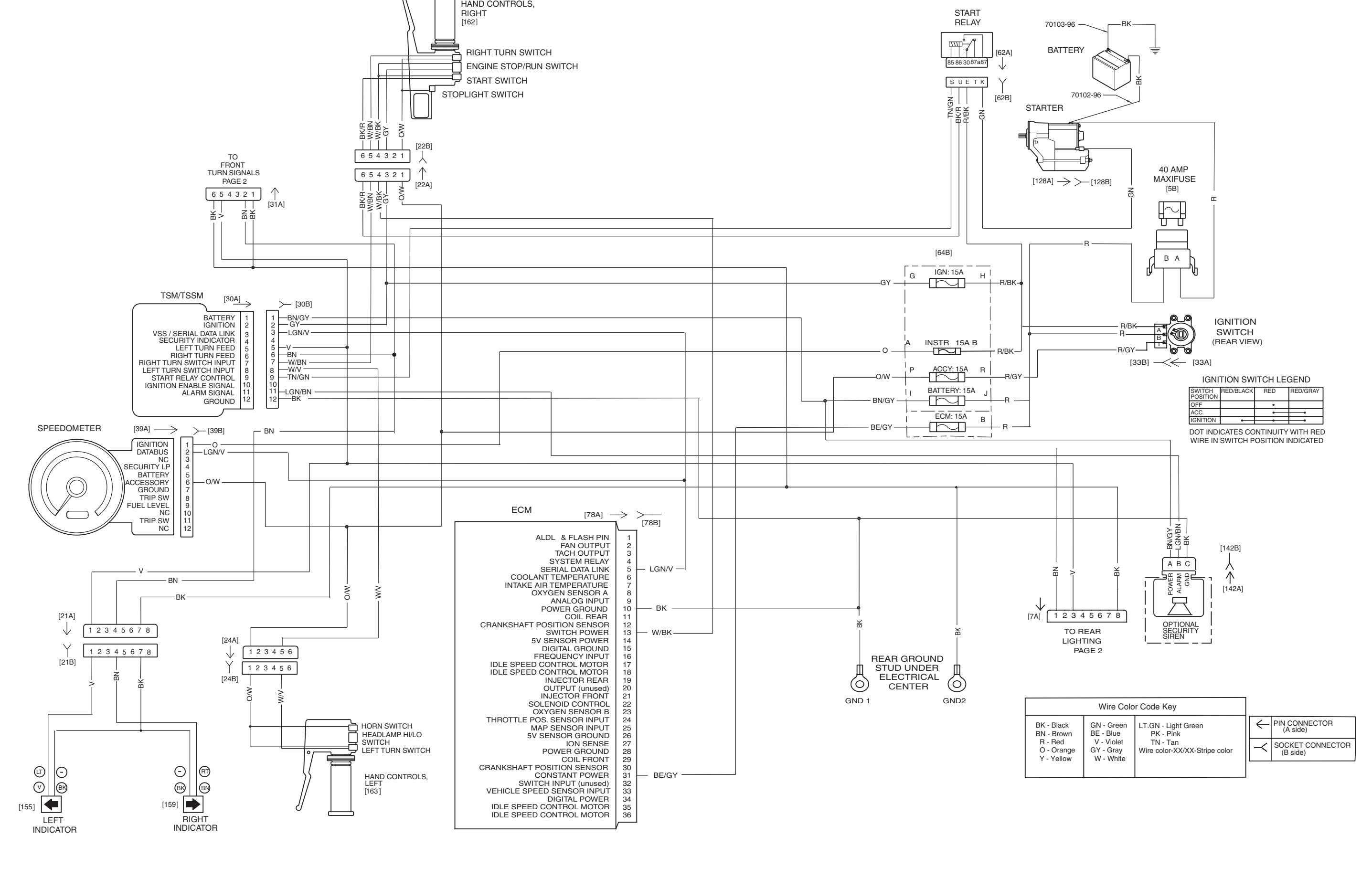


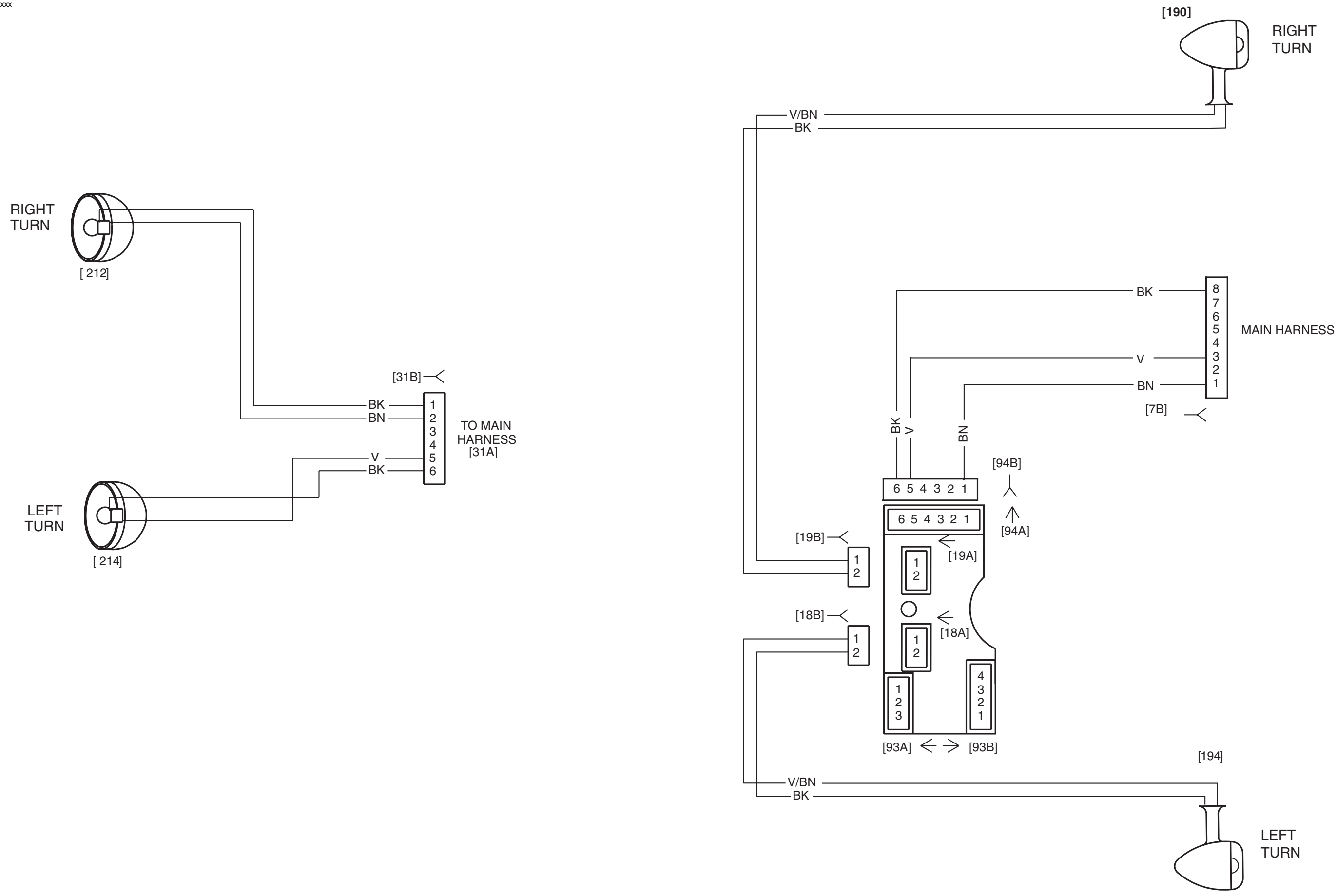


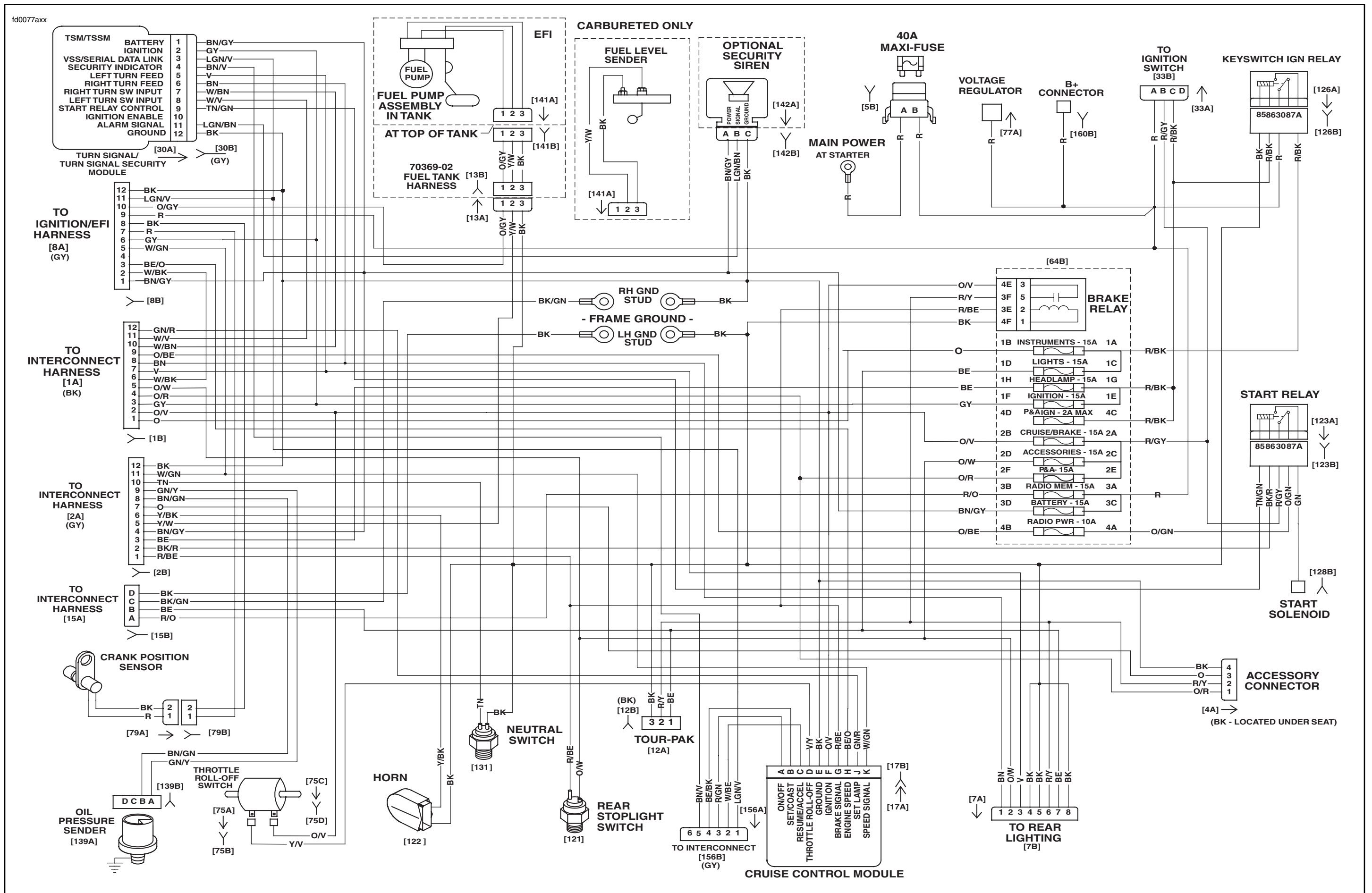




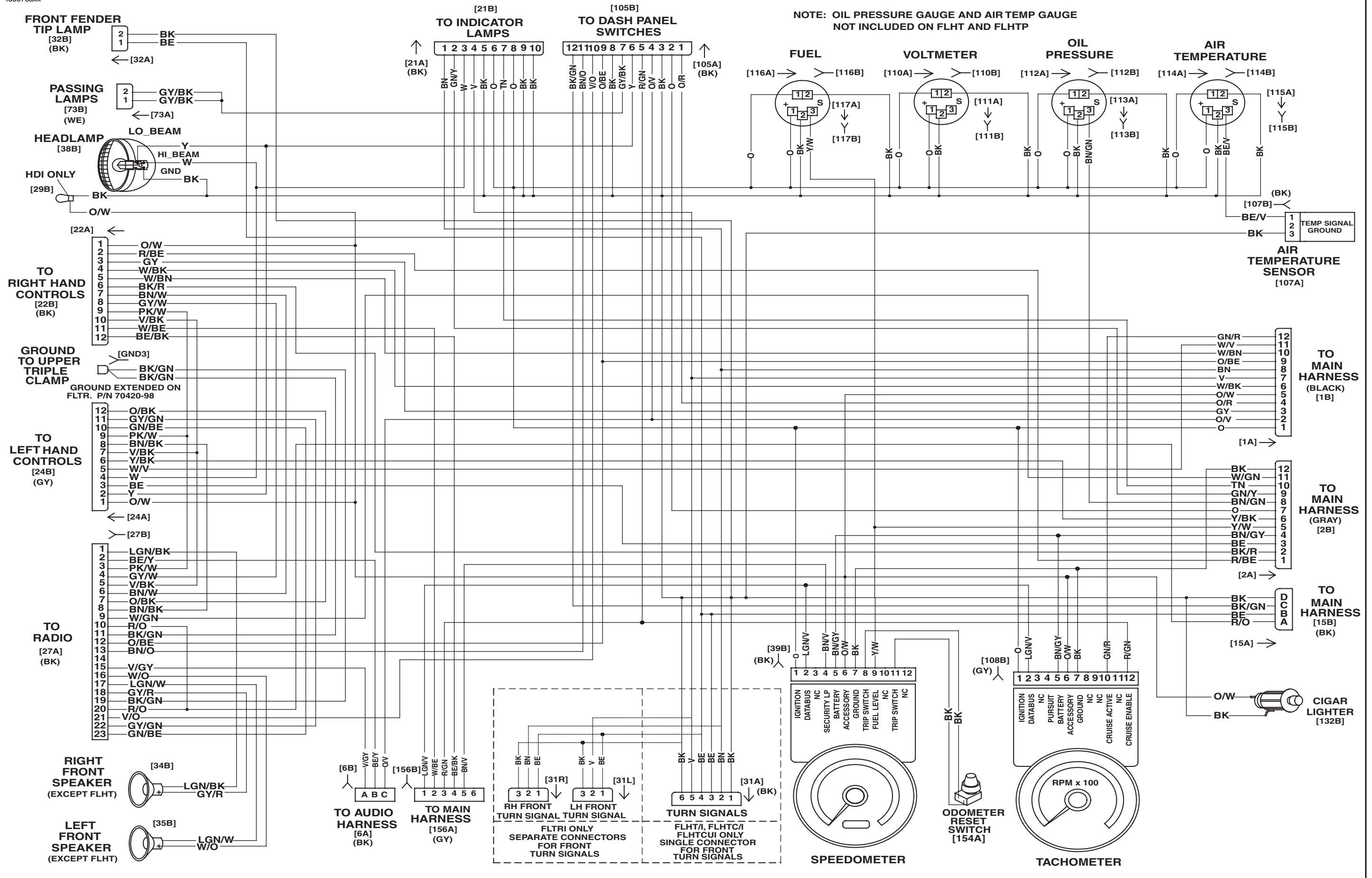
2005 ALL EFI FXDWG DOM. and INT. MODELS, IGNITION CIRCUIT







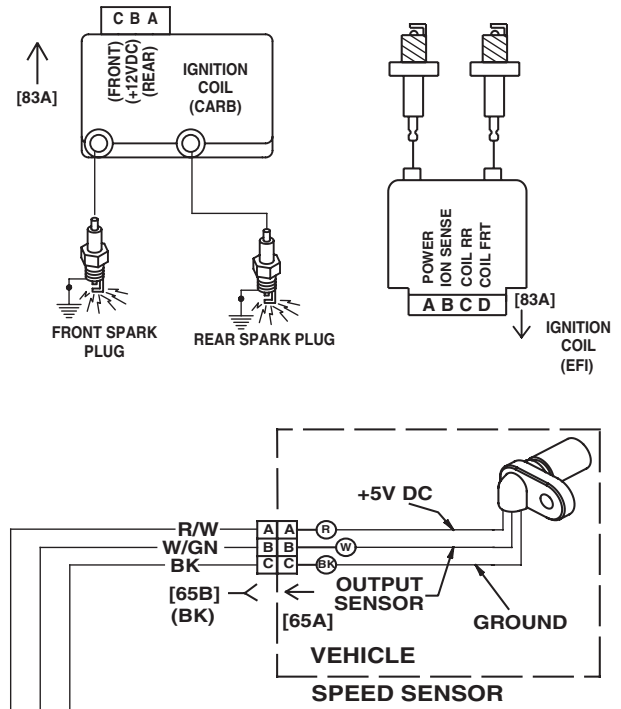
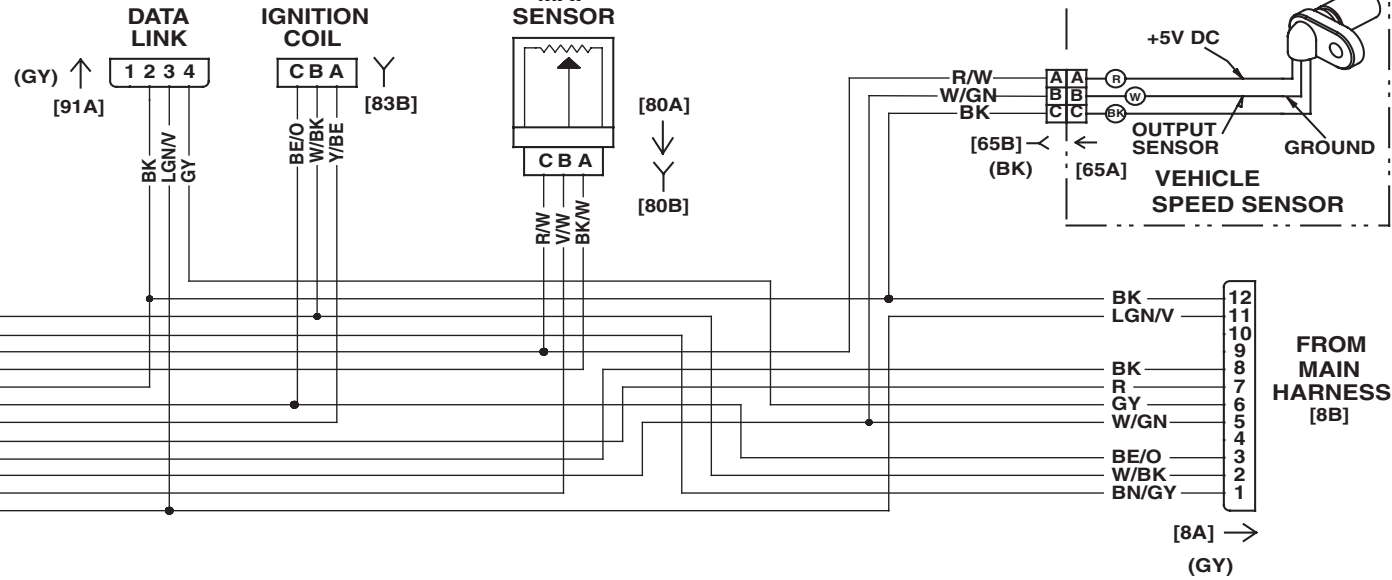
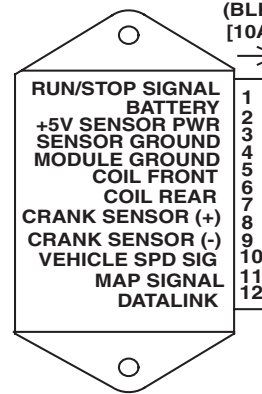
2005 FLT DOMESTIC and INTERNATIONAL MODELS, MAIN HARNESS



2005 ALL FLT DOMESTIC and INTERNATIONAL MODELS, INTERCONNECT HARNESS

CARBURETED VEHICLES

IGNITION CONTROL MODULE

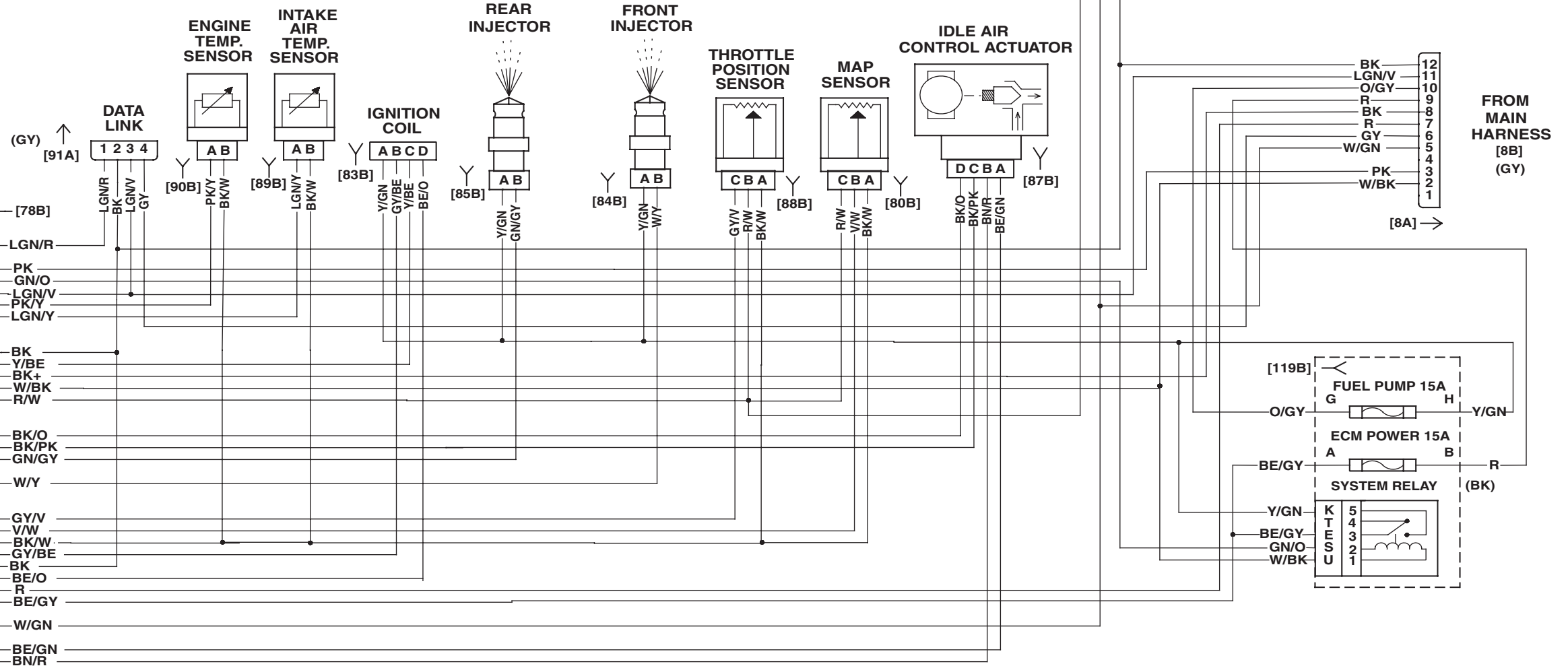
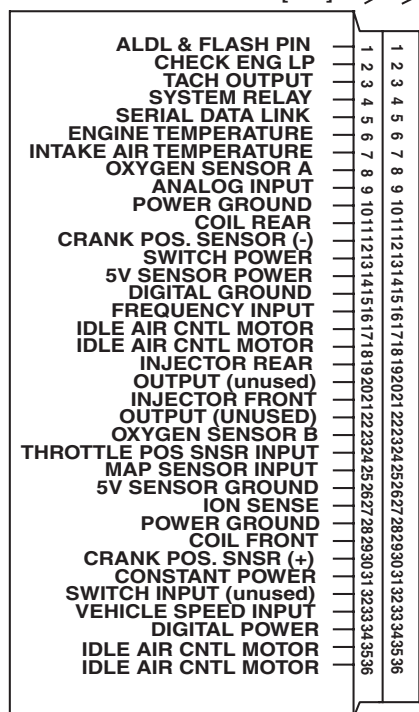


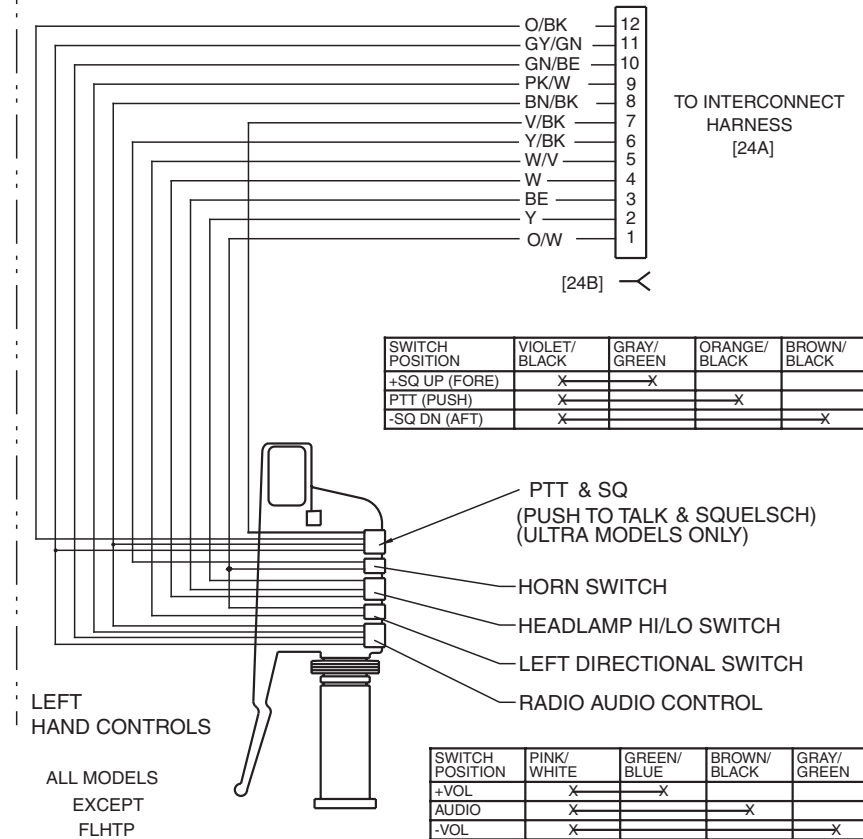
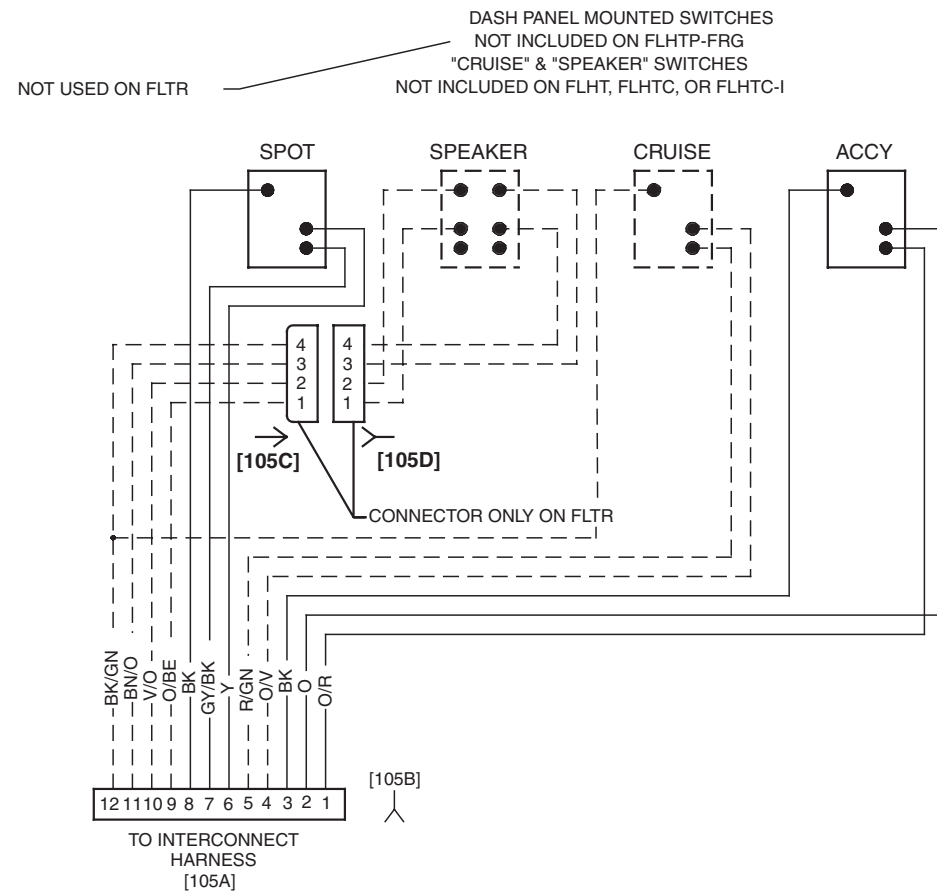
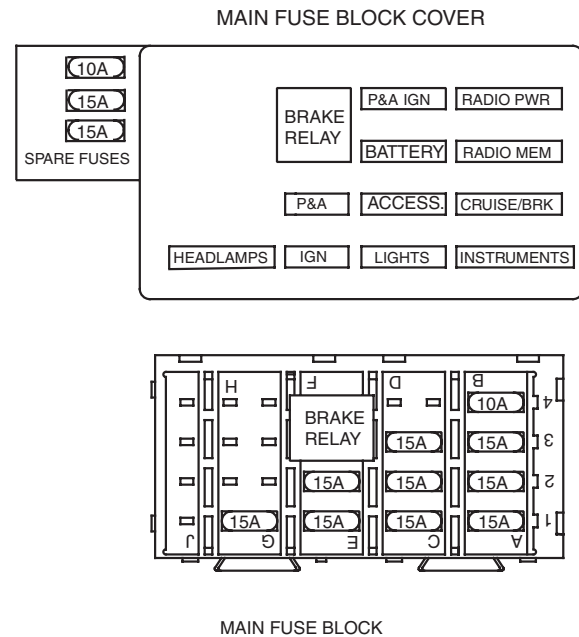
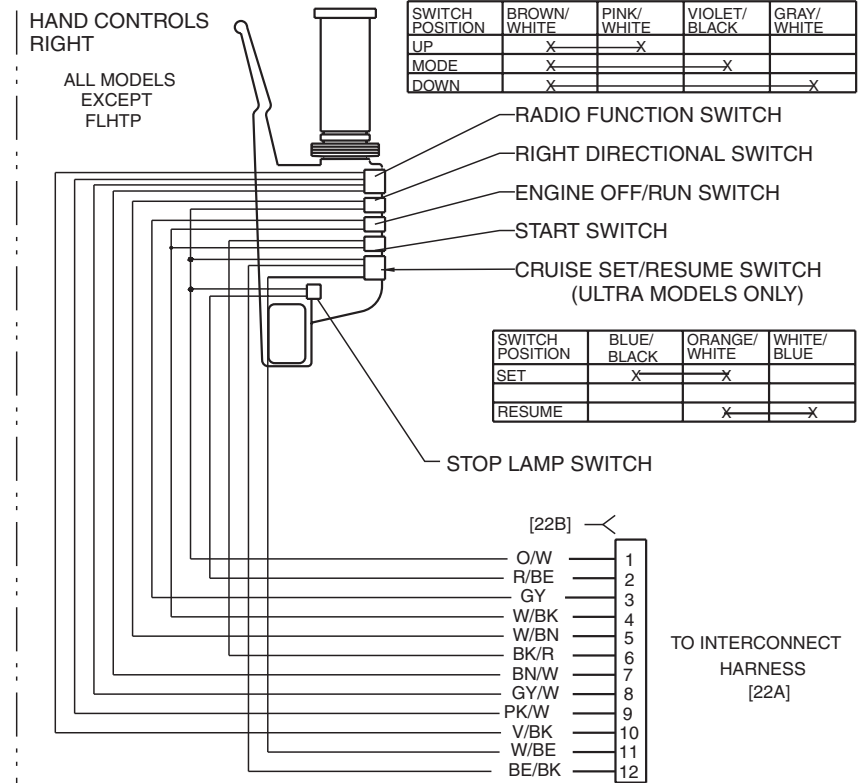
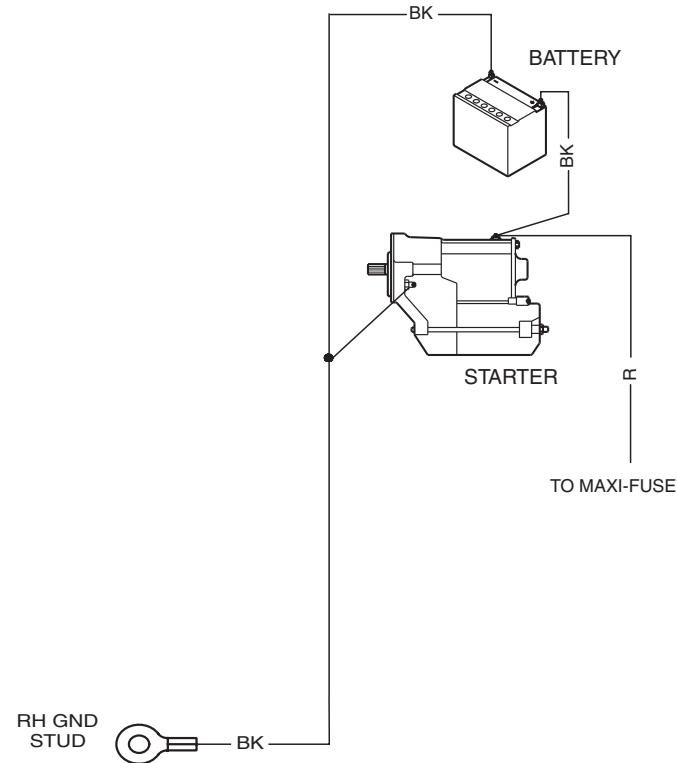
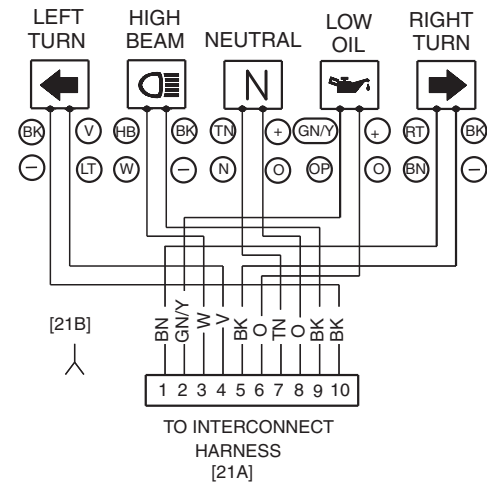
CARBURETED OVERLAY: 32435-04

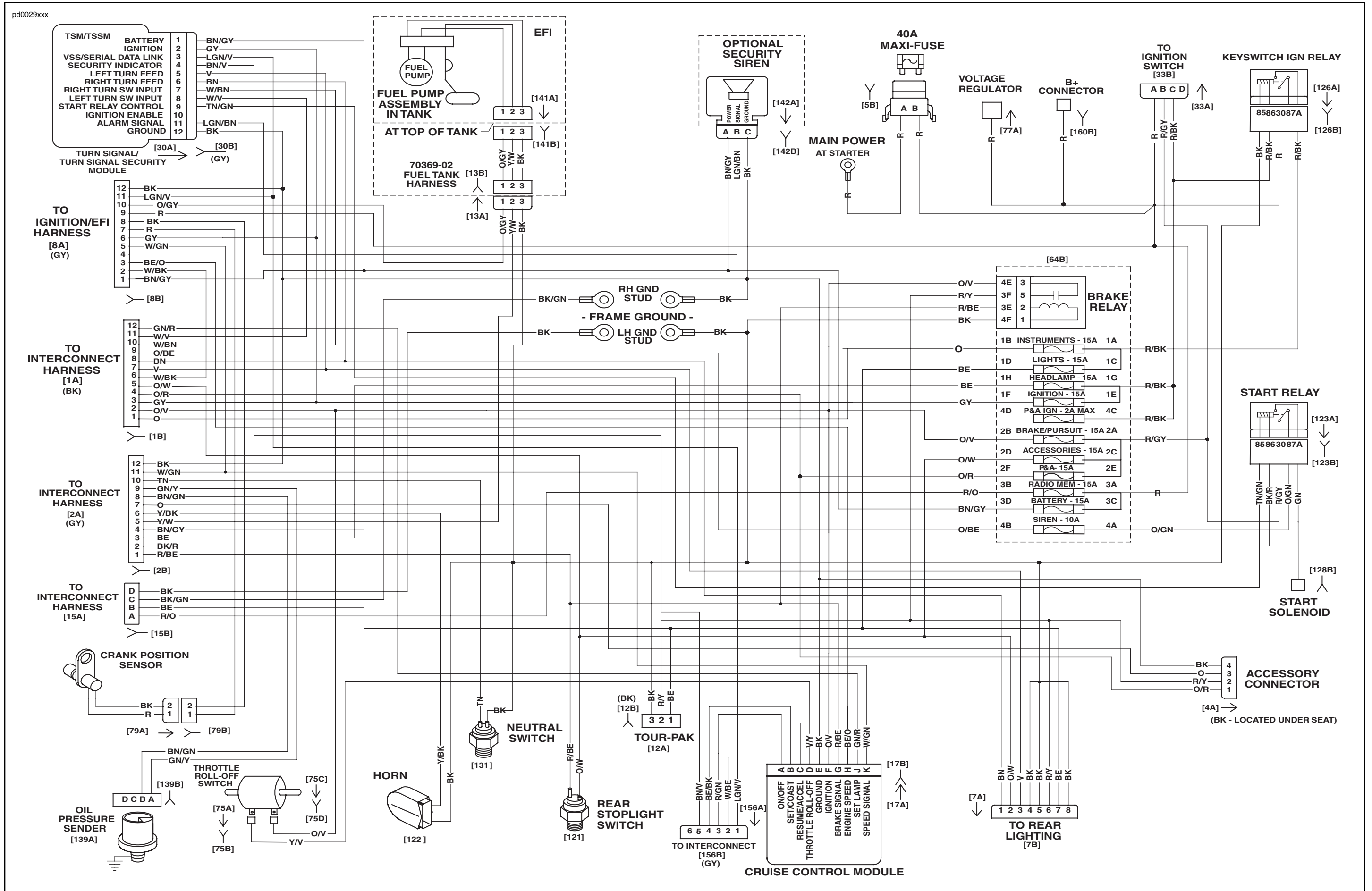
EFI OVERLAY: 70233-04

FUEL INJECTED VEHICLES

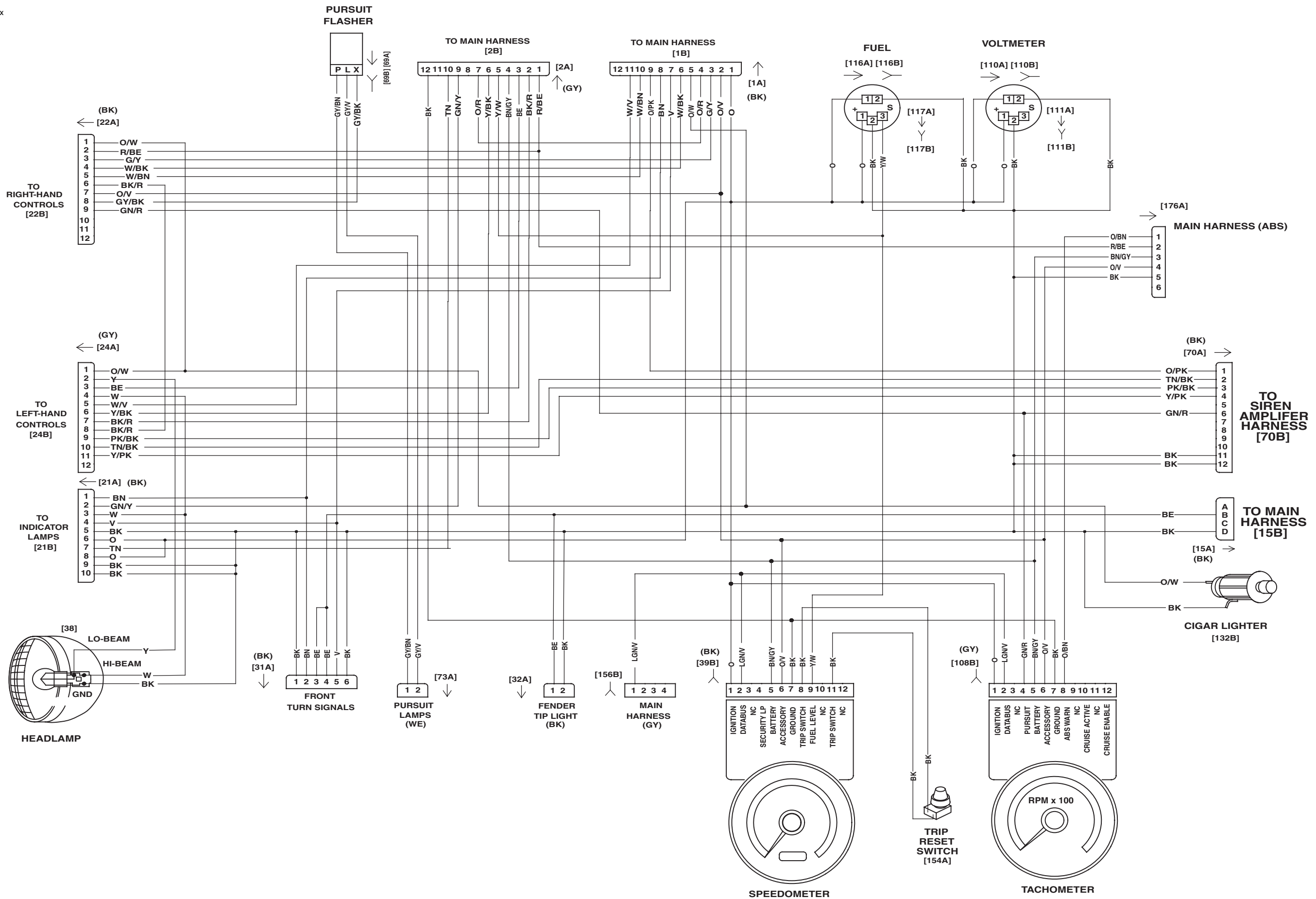
ELECTRONIC CONTROL MODULE



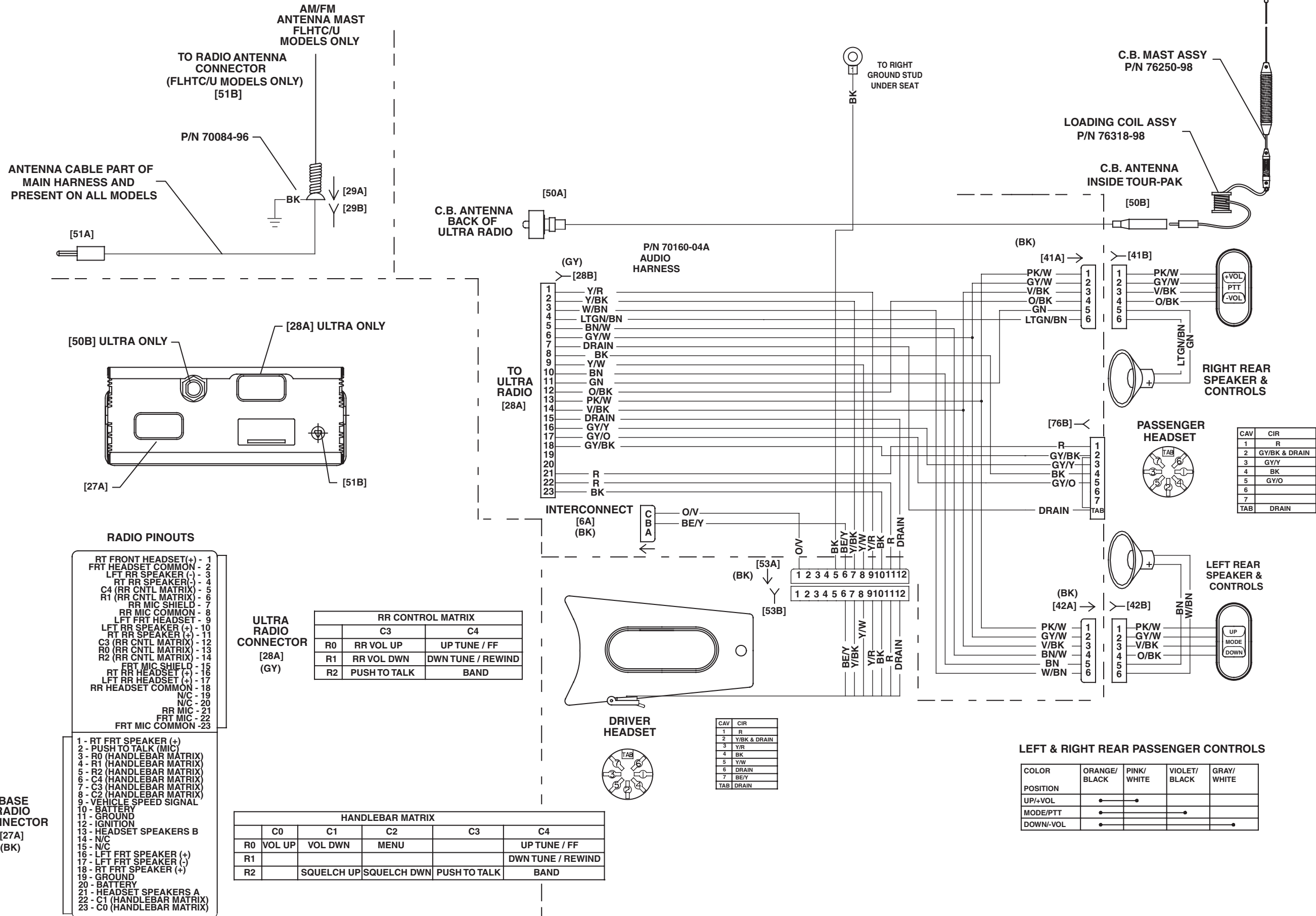




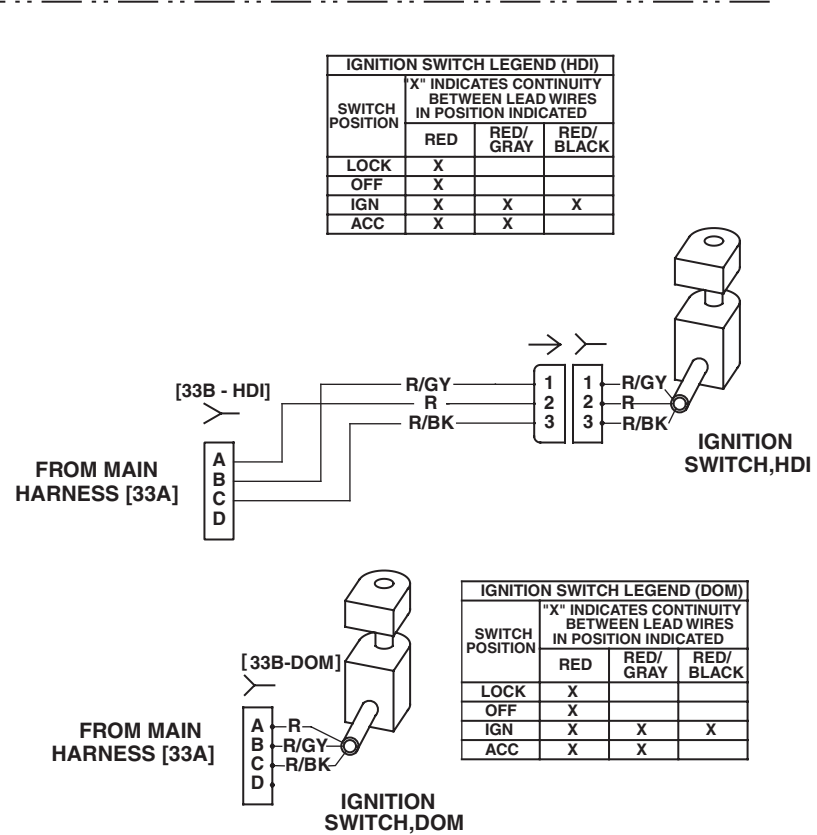
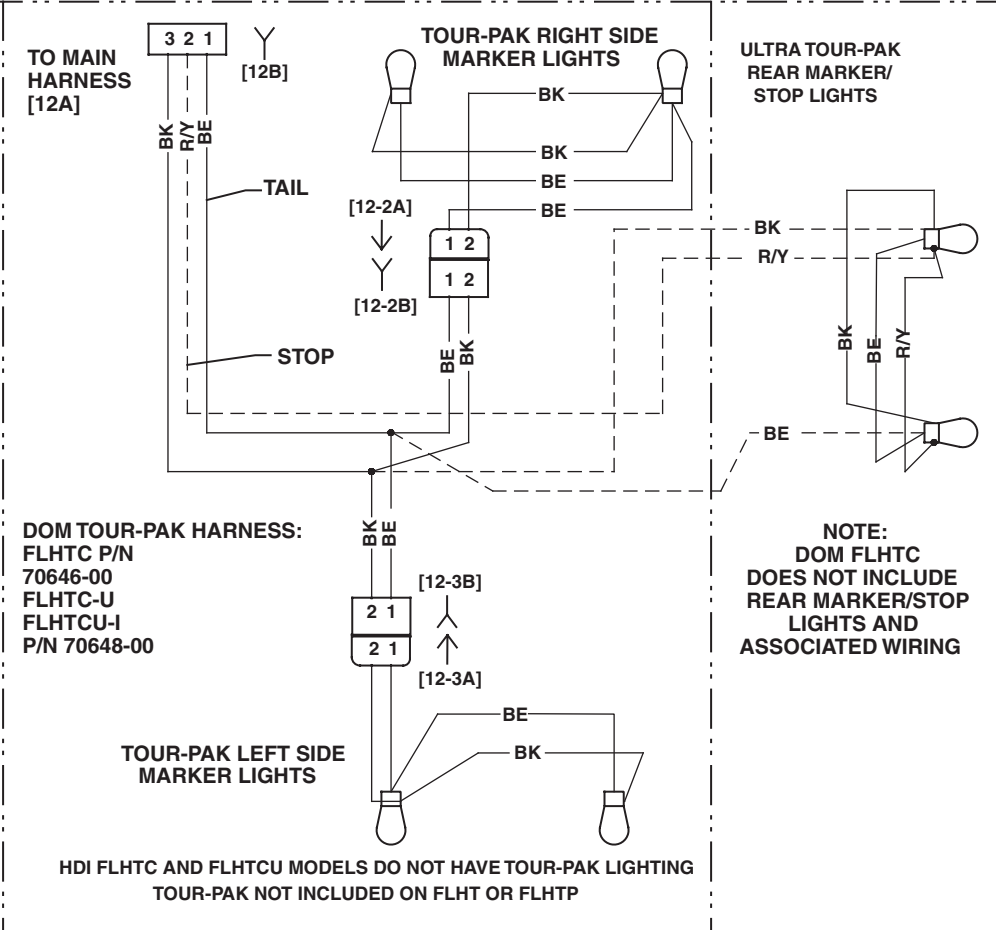
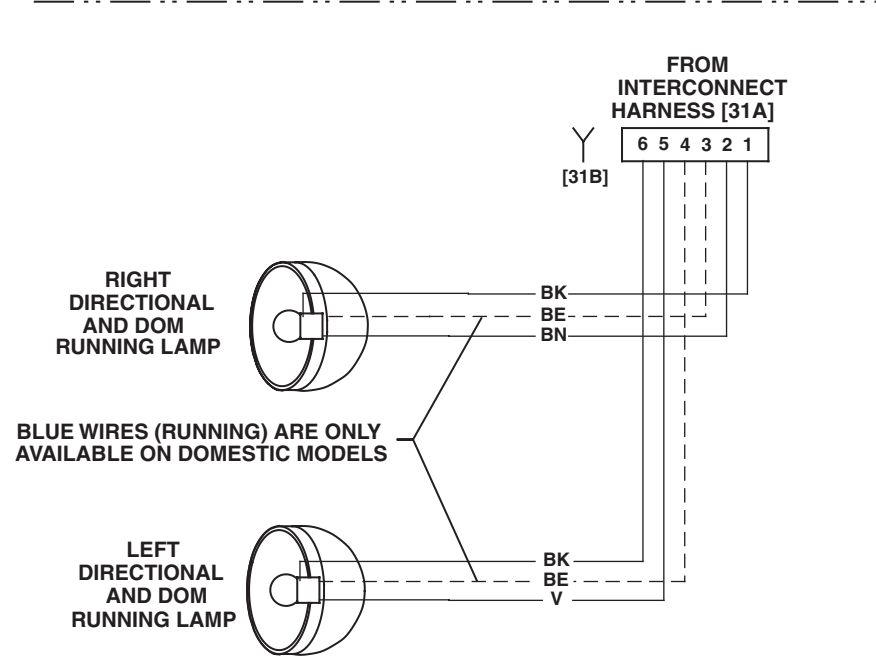
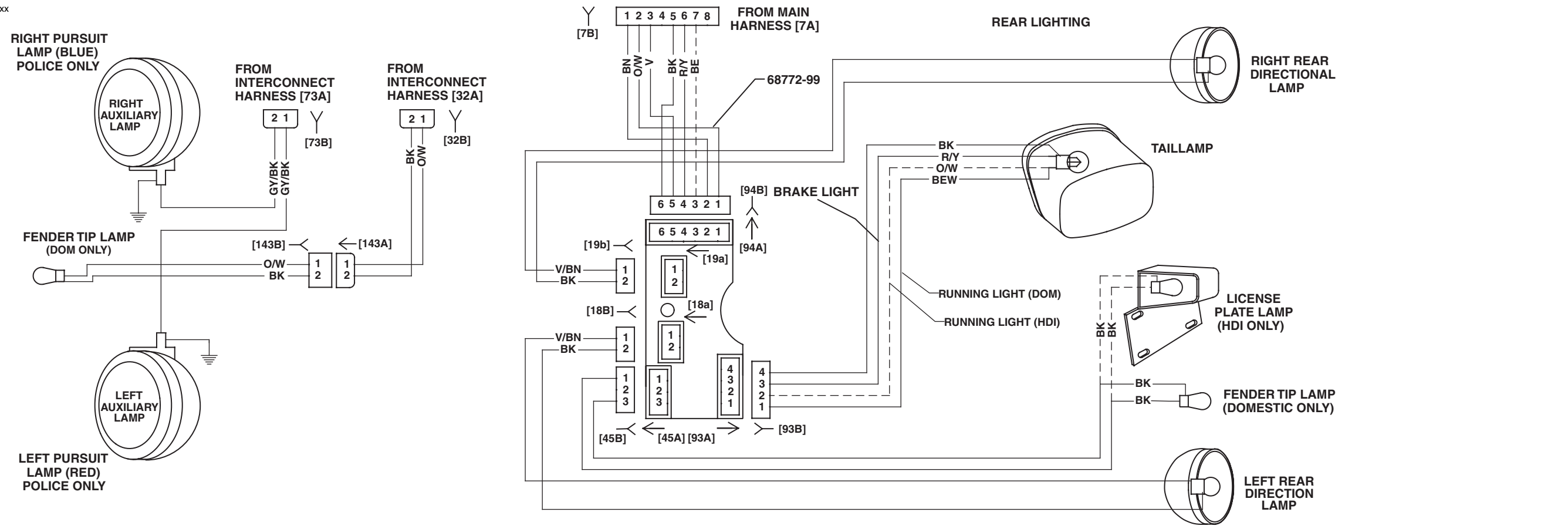
2005 FLHTPI MODELS, MAIN HARNESS



2005 FLHTPI MODELS, INTERCONNECT HARNESS



2005 ALL FLHTC/U, FLTR DOM. and INT. MODELS, RADIO, CB/INTERCOM, AND REAR SPEAKERS



IGNITION SWITCH LEGEND (HDI)

"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED

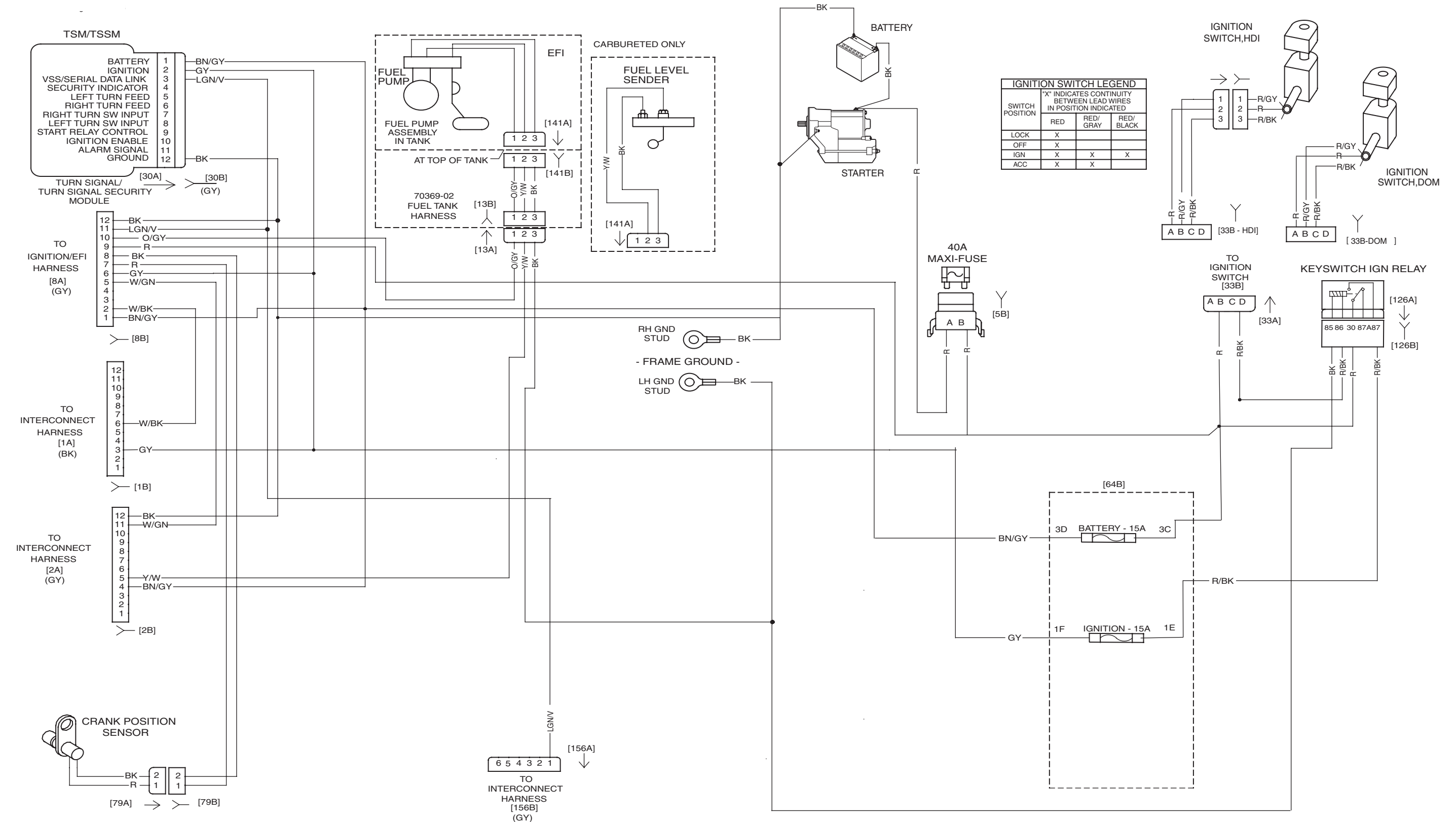
SWITCH POSITION	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

IGNITION SWITCH LEGEND (DOM)

"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED

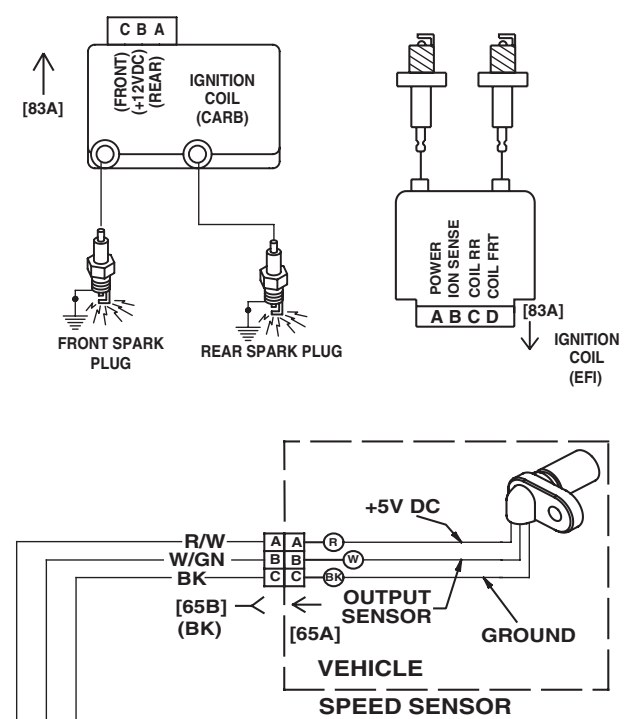
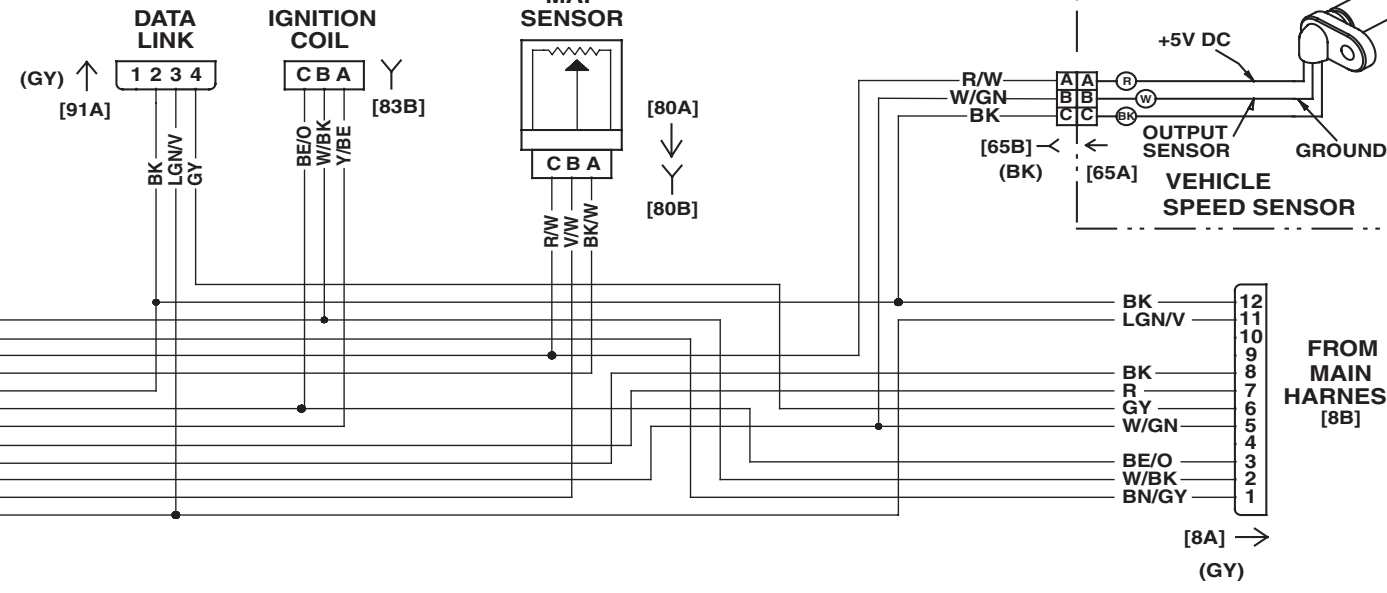
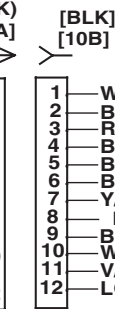
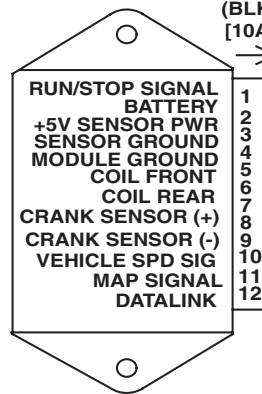
SWITCH POSITION	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

2005 ALL FLT DOMESTIC and INTERNATIONAL MODELS, IGNITION SWITCH, LIGHTS



CARBURETED VEHICLES

IGNITION CONTROL MODULE

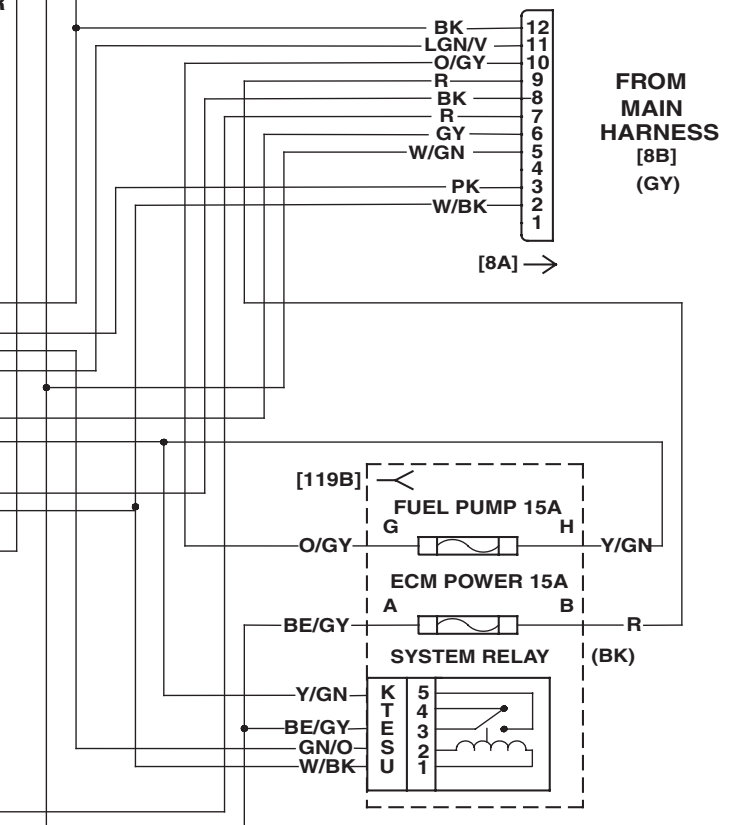
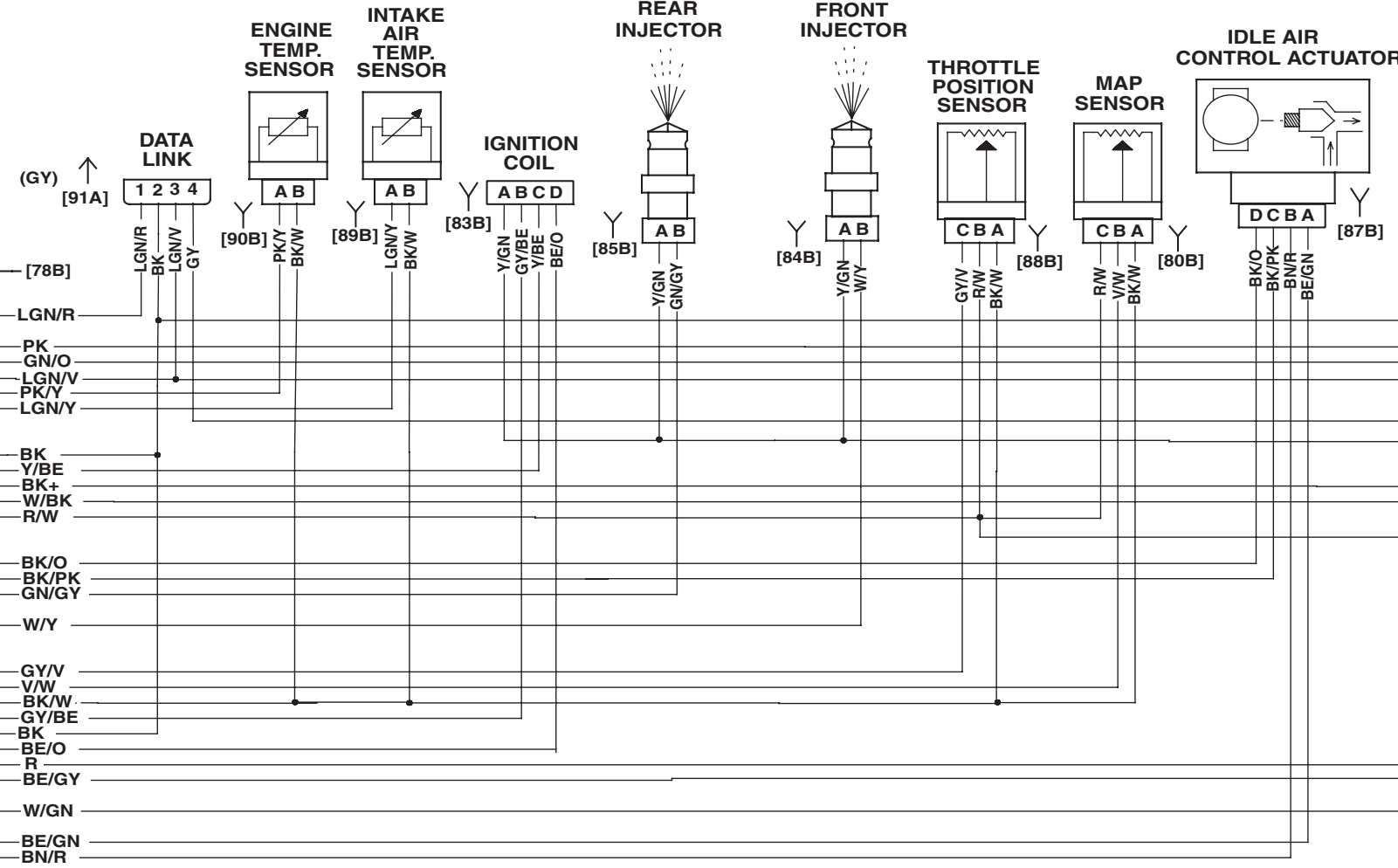
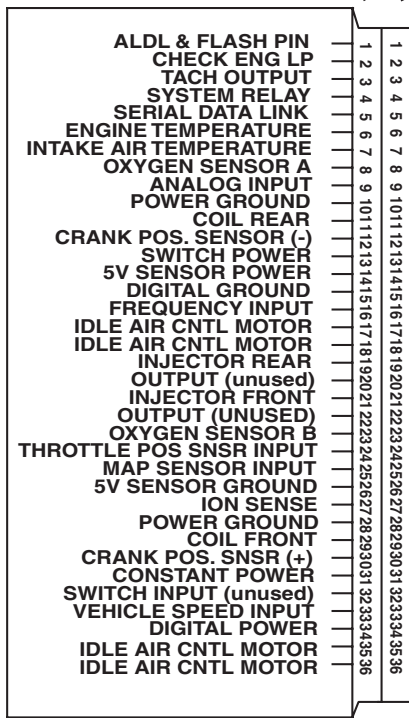


CARBURETED OVERLAY: 32435-04

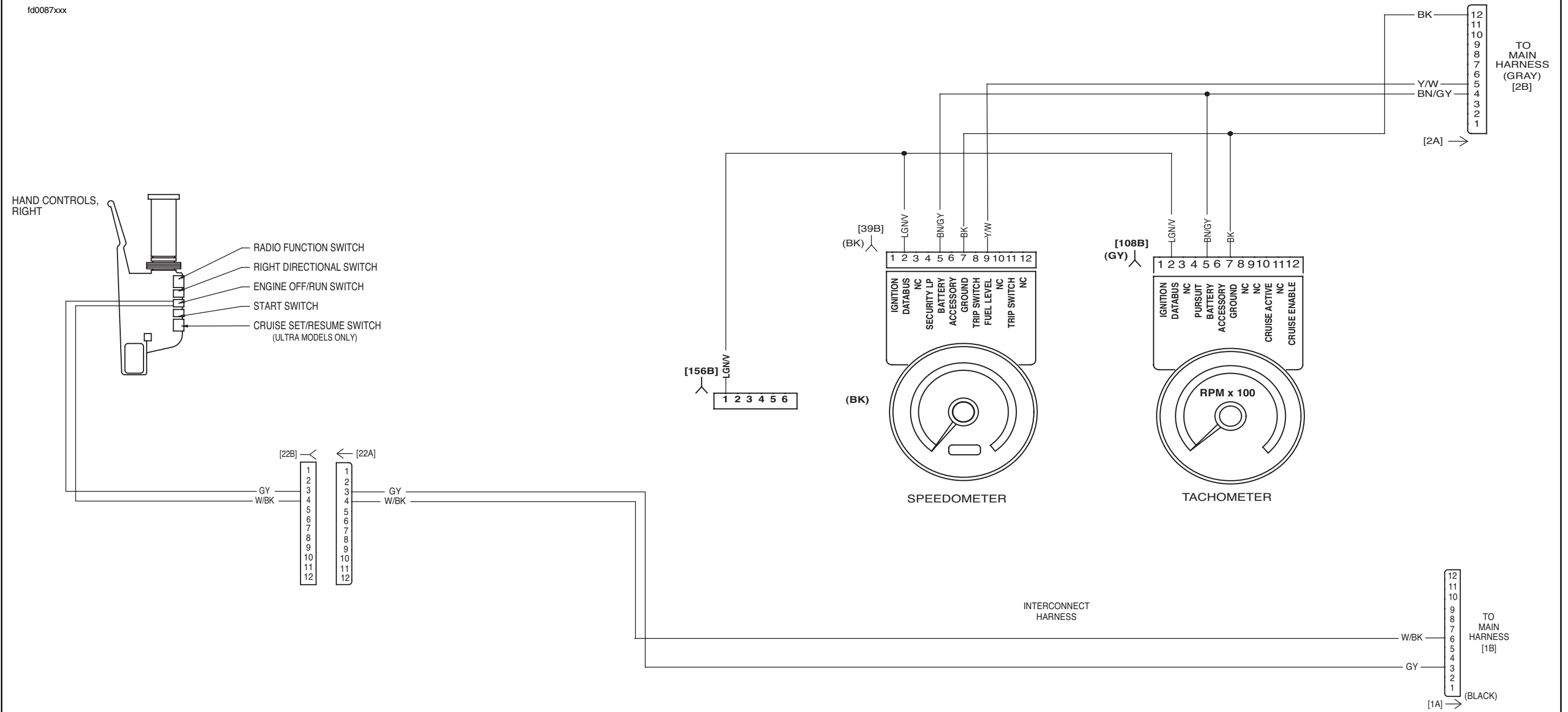
EFI OVERLAY: 70233-04

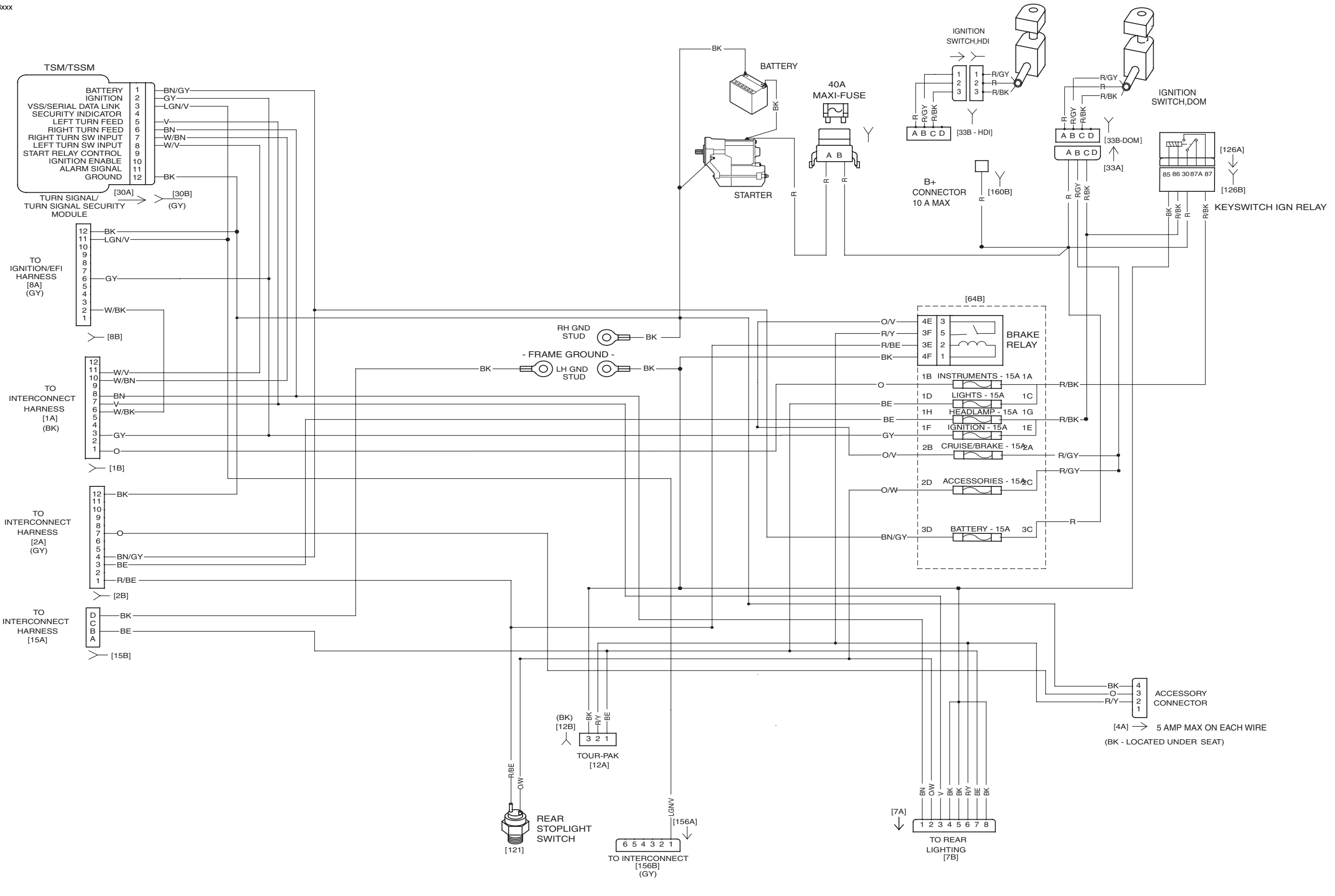
FUEL INJECTED VEHICLES

ELECTRONIC CONTROL MODULE



fd0087xxx





2005 FLT DOMESTIC and INTERNATIONAL MODELS, LIGHTING CIRCUIT: SHEET 1 OF 5

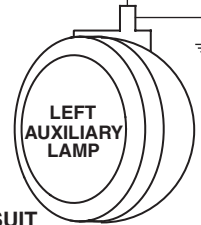
RIGHT PURSUIT LAMP (BLUE) POLICE ONLY



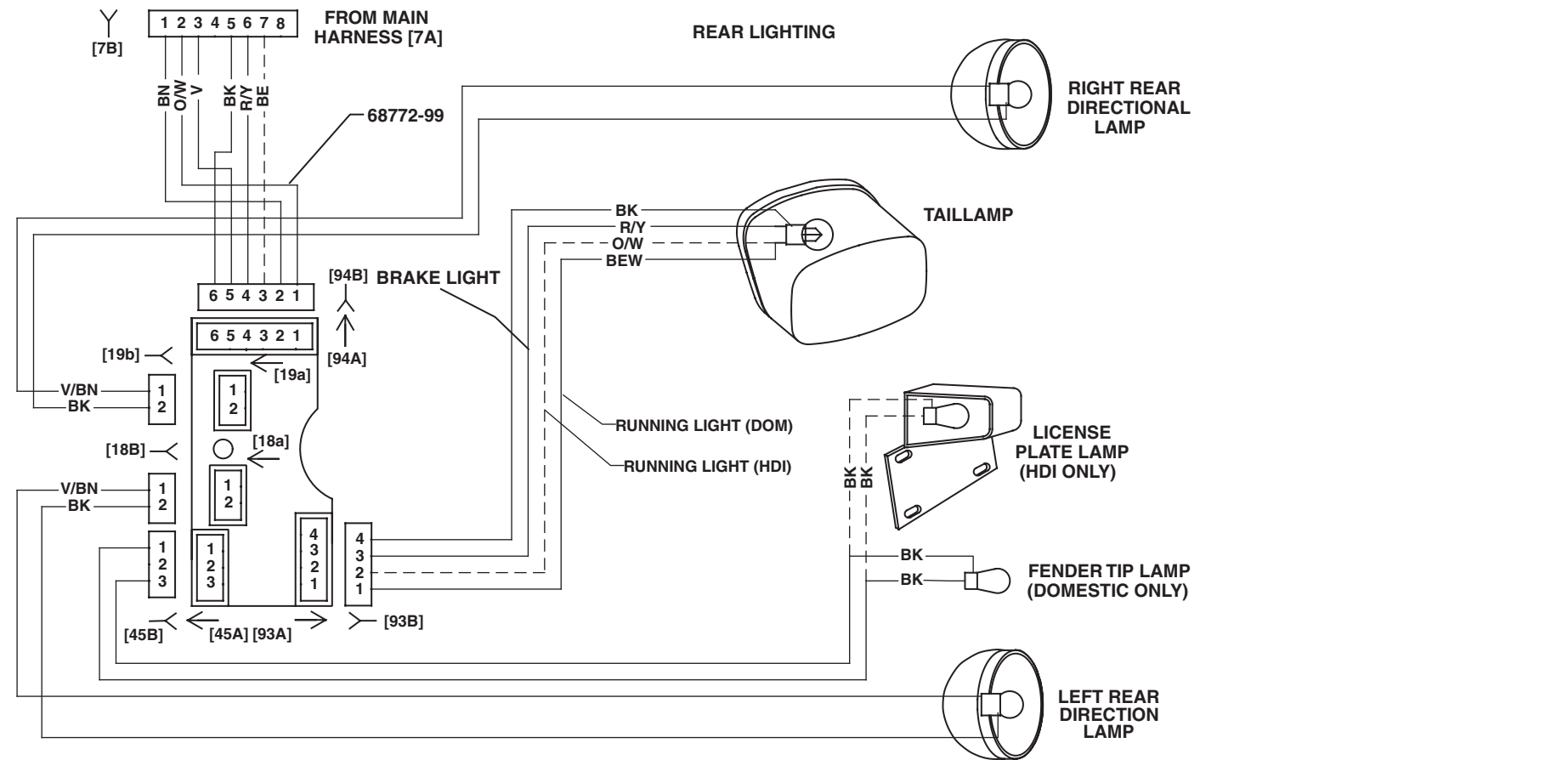
FROM INTERCONNECT HARNESS [73A]

FROM INTERCONNECT HARNESS [32A]

FENDER TIP LAMP (DOM ONLY)

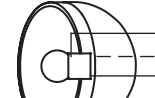


LEFT PURSUIT LAMP (RED) POLICE ONLY

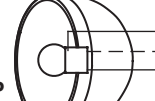


RIGHT DIRECTIONAL AND DOM RUNNING LAMP

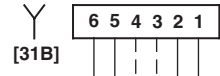
BLUE WIRES (RUNNING) ARE ONLY AVAILABLE ON DOMESTIC MODELS



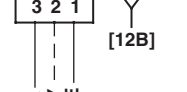
LEFT DIRECTIONAL AND DOM RUNNING LAMP



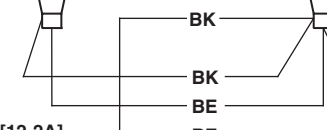
FROM INTERCONNECT HARNESS [31A]



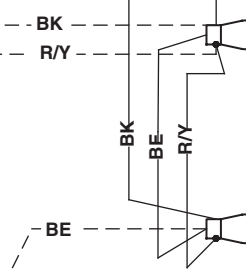
TO MAIN HARNESS [12A]



TOUR-PAK RIGHT SIDE MARKER LIGHTS

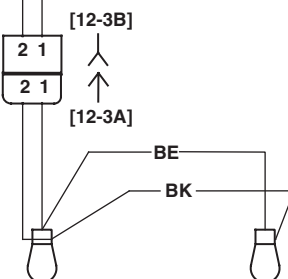


ULTRA TOUR-PAK REAR MARKER/STOP LIGHTS



DOM TOUR-PAK HARNESS:
FLHTC P/N 70646-00
FLHTC-U
FLHTCU-I
P/N 70648-00

TOUR-PAK LEFT SIDE MARKER LIGHTS

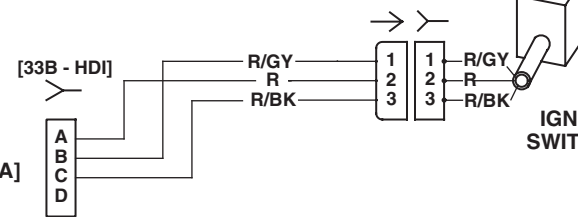


HDI FLHTC AND FLHTCU MODELS DO NOT HAVE TOUR-PAK LIGHTING
TOUR-PAK NOT INCLUDED ON FLHT OR FLHTP

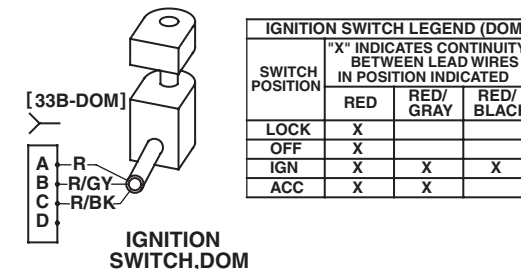
NOTE:
DOM FLHTC DOES NOT INCLUDE REAR MARKER/STOP LIGHTS AND ASSOCIATED WIRING

SWITCH POSITION	"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

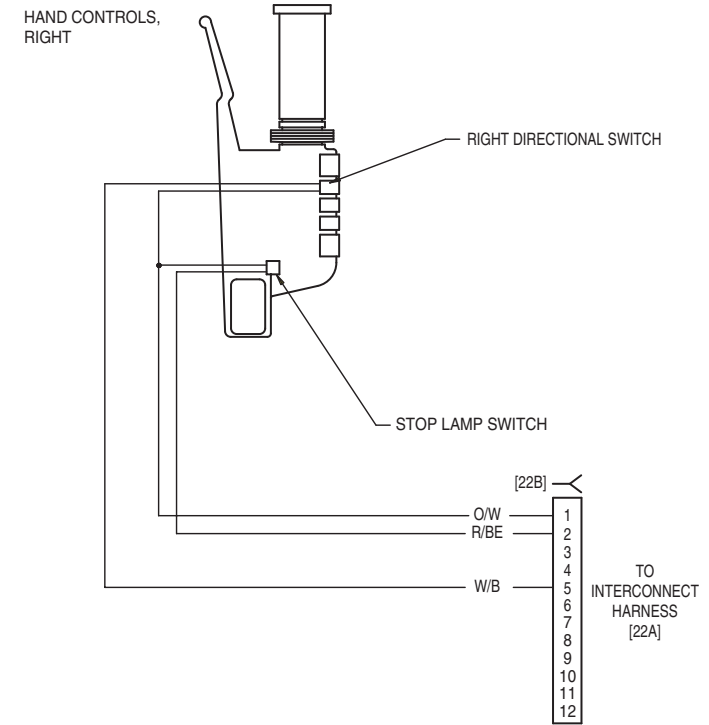
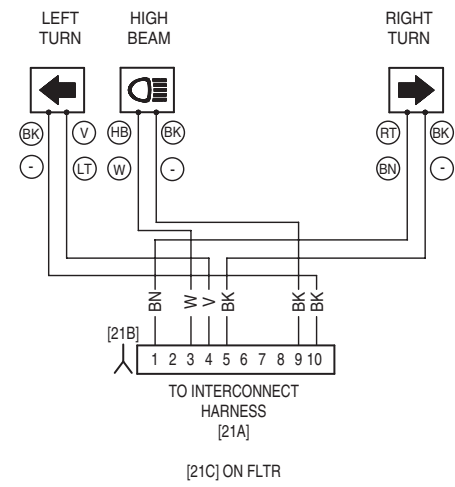
FROM MAIN HARNESS [33A]



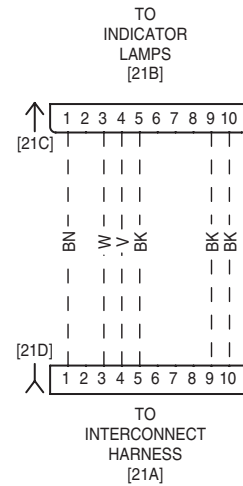
FROM MAIN HARNESS [33A]



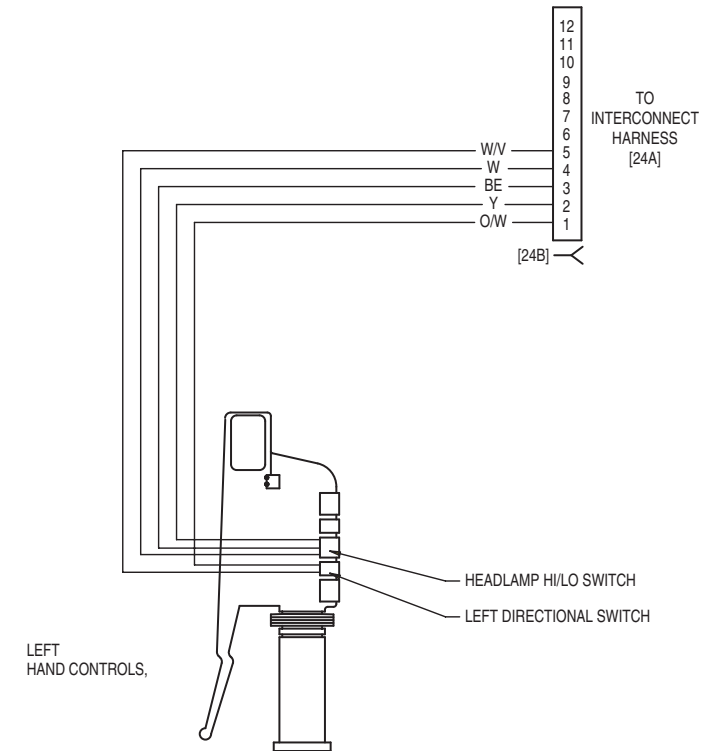
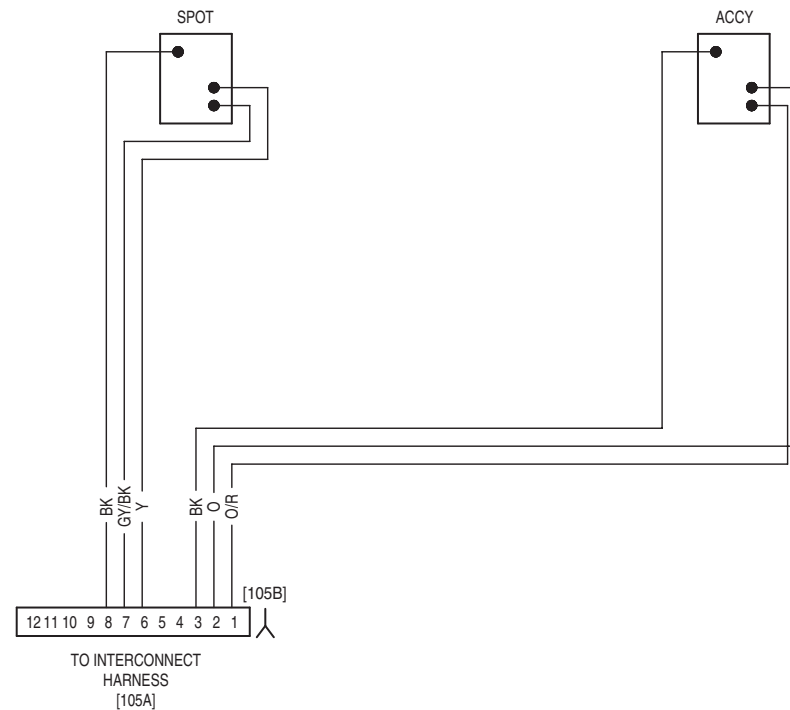
SWITCH POSITION	"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

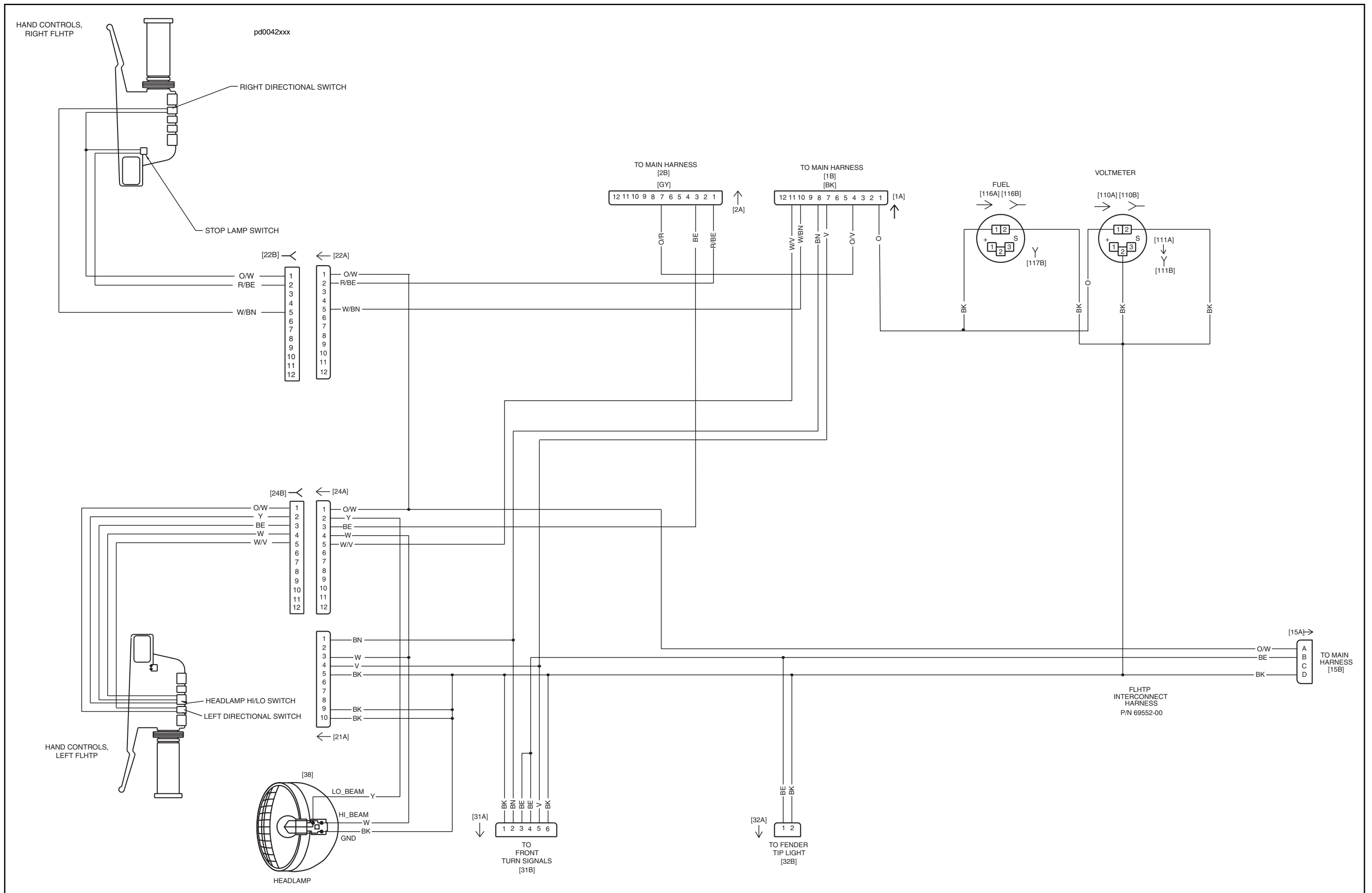


THIS JUMPER USED ON FLTR ONLY
P/N 71625-98

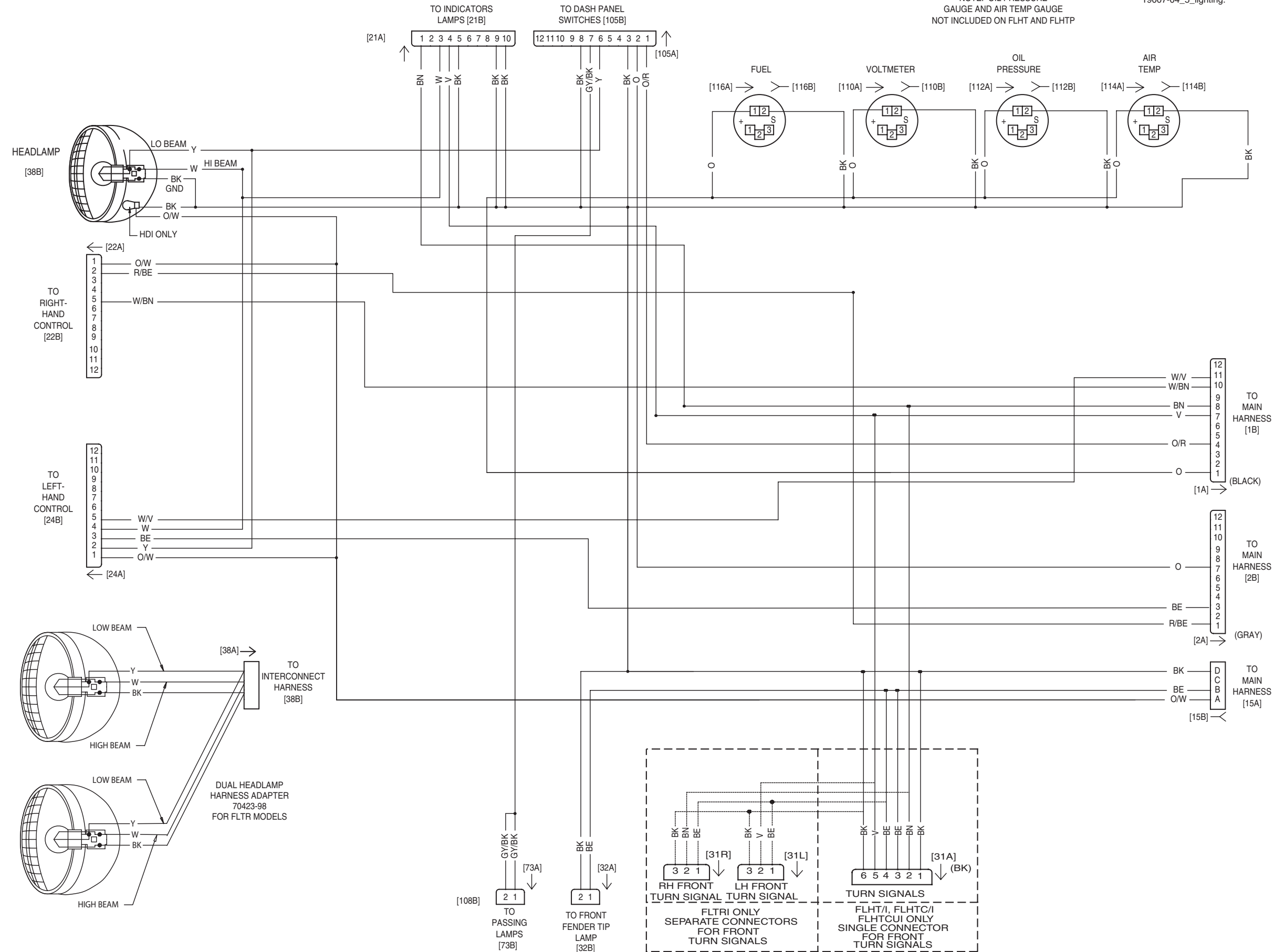


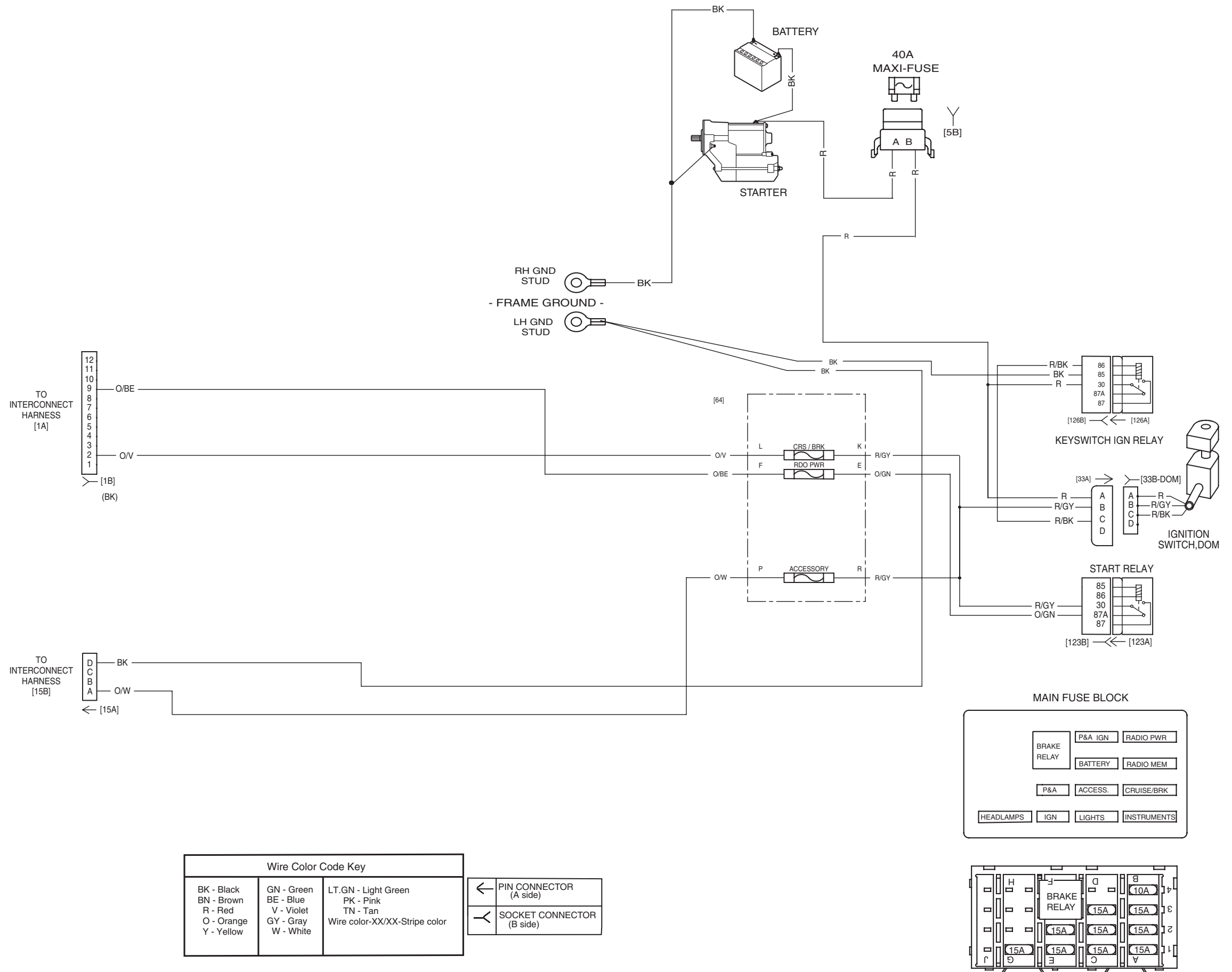
NOT USED ON FLTR → DASH PANEL MOUNTED SWITCHES
NOT INCLUDED ON FLHTP
"CRUISE" & "SPEAKER" SWITCHES
NOT INCLUDED ON FLHT, FLHTC, OR FLHTC-I





2005 FLHTPI DOMESTIC MODELS, LIGHTING CIRCUIT: SHEET 4 OF 5



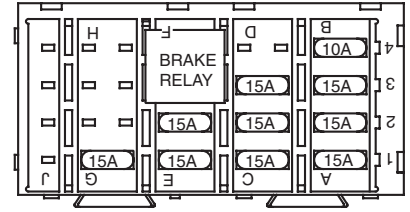


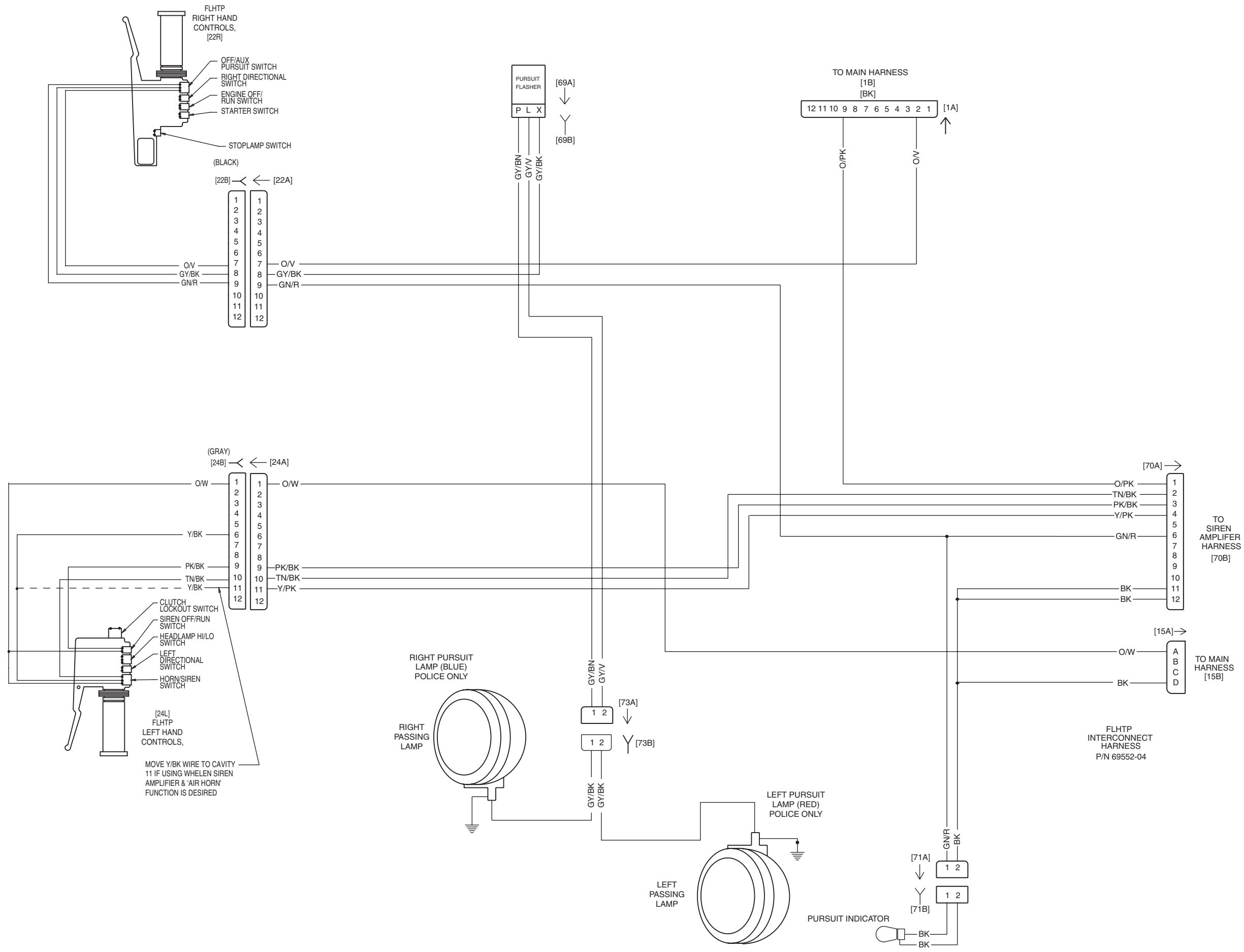
IGNITION SWITCH LEGEND (DOM)

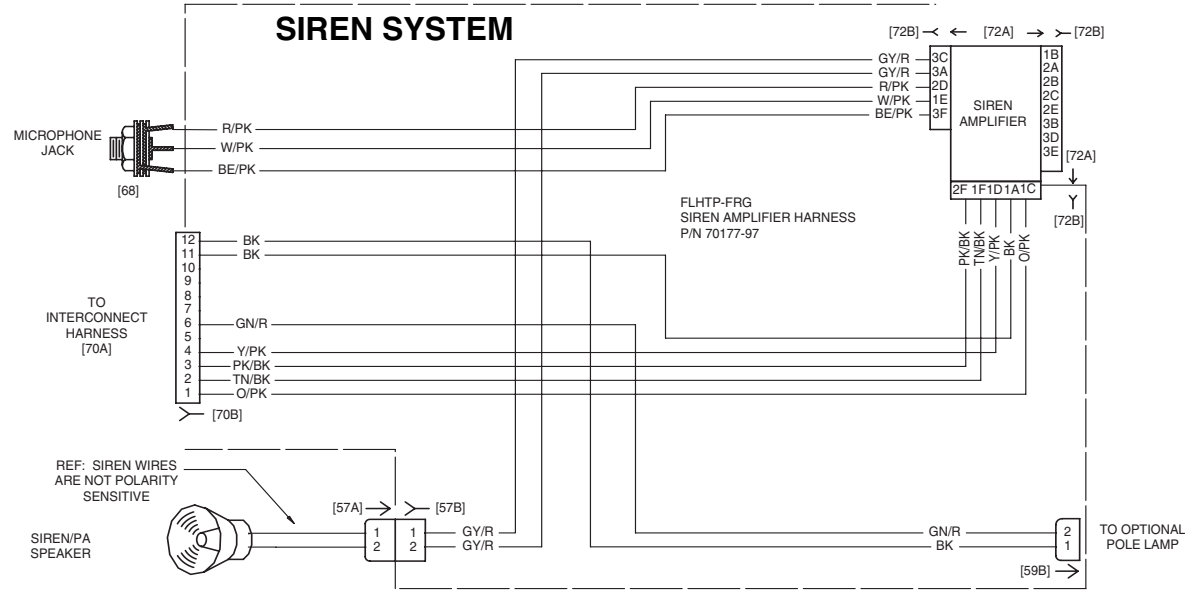
SWITCH POSITION	*X* INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

Wire Color Code Key

BK - Black	GN - Green	LT.GN - Light Green	← PIN CONNECTOR (A side)
BN - Brown	BE - Blue	PK - Pink	
R - Red	V - Violet	TN - Tan	↘ SOCKET CONNECTOR (B side)
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color	
Y - Yellow	W - White		



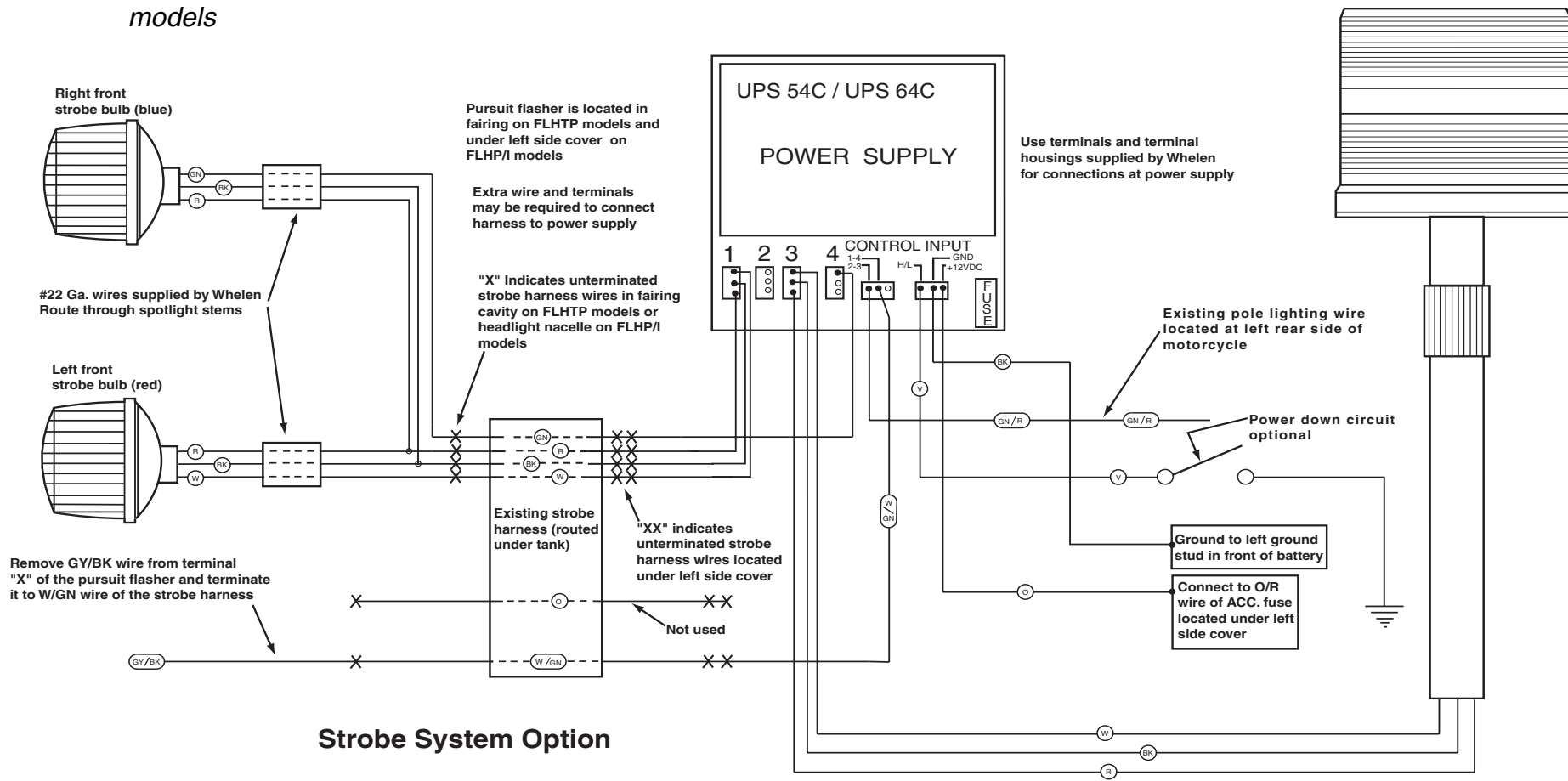




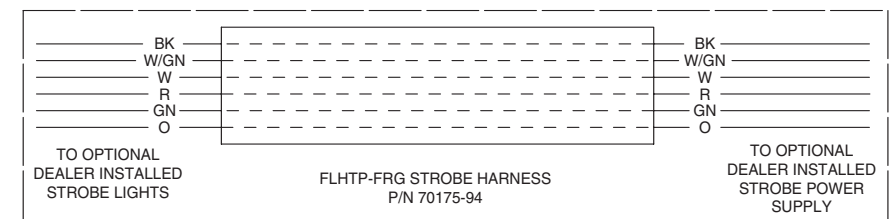
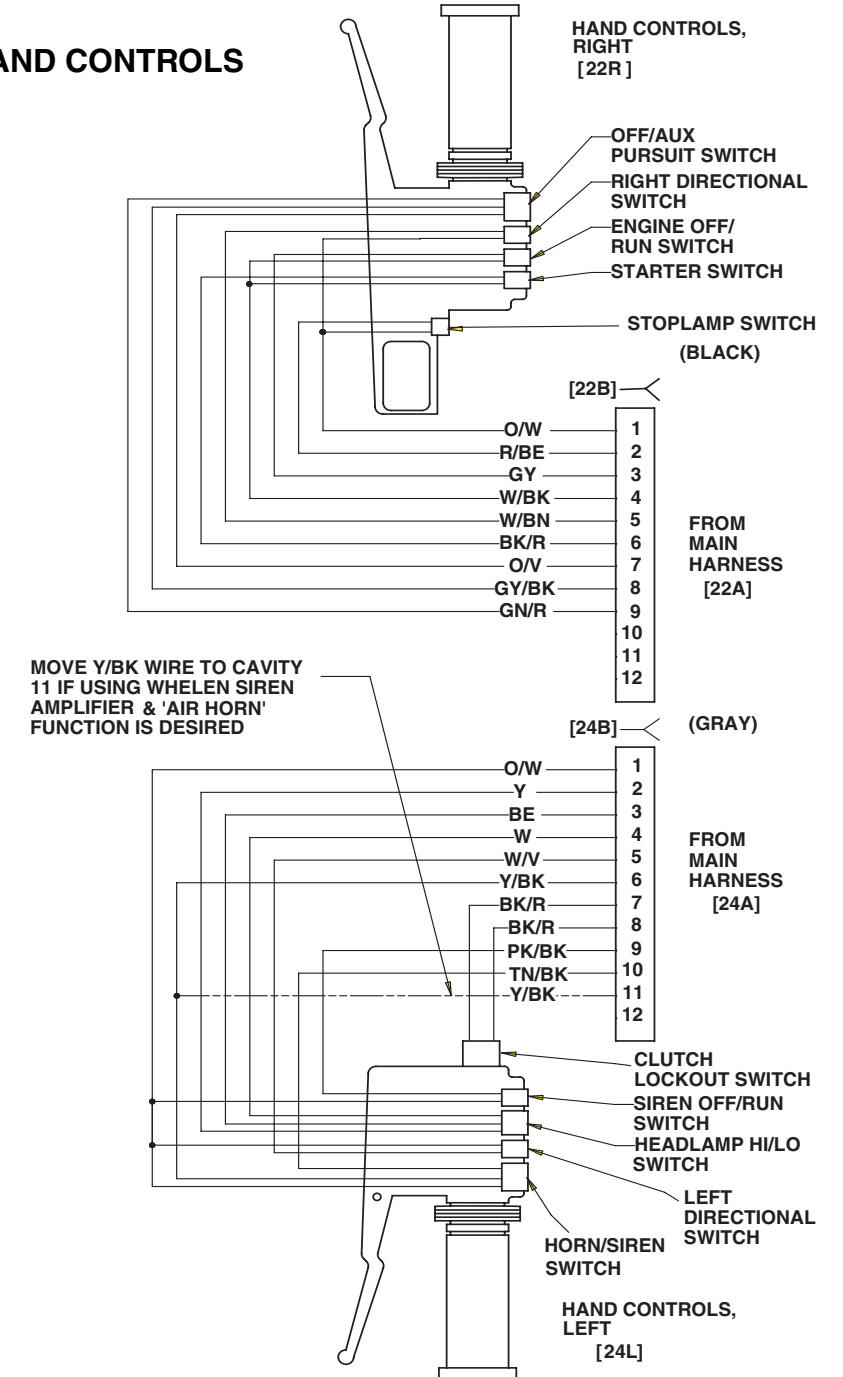
← PIN CONNECTOR (A side)
← SOCKET CONNECTOR (B side)

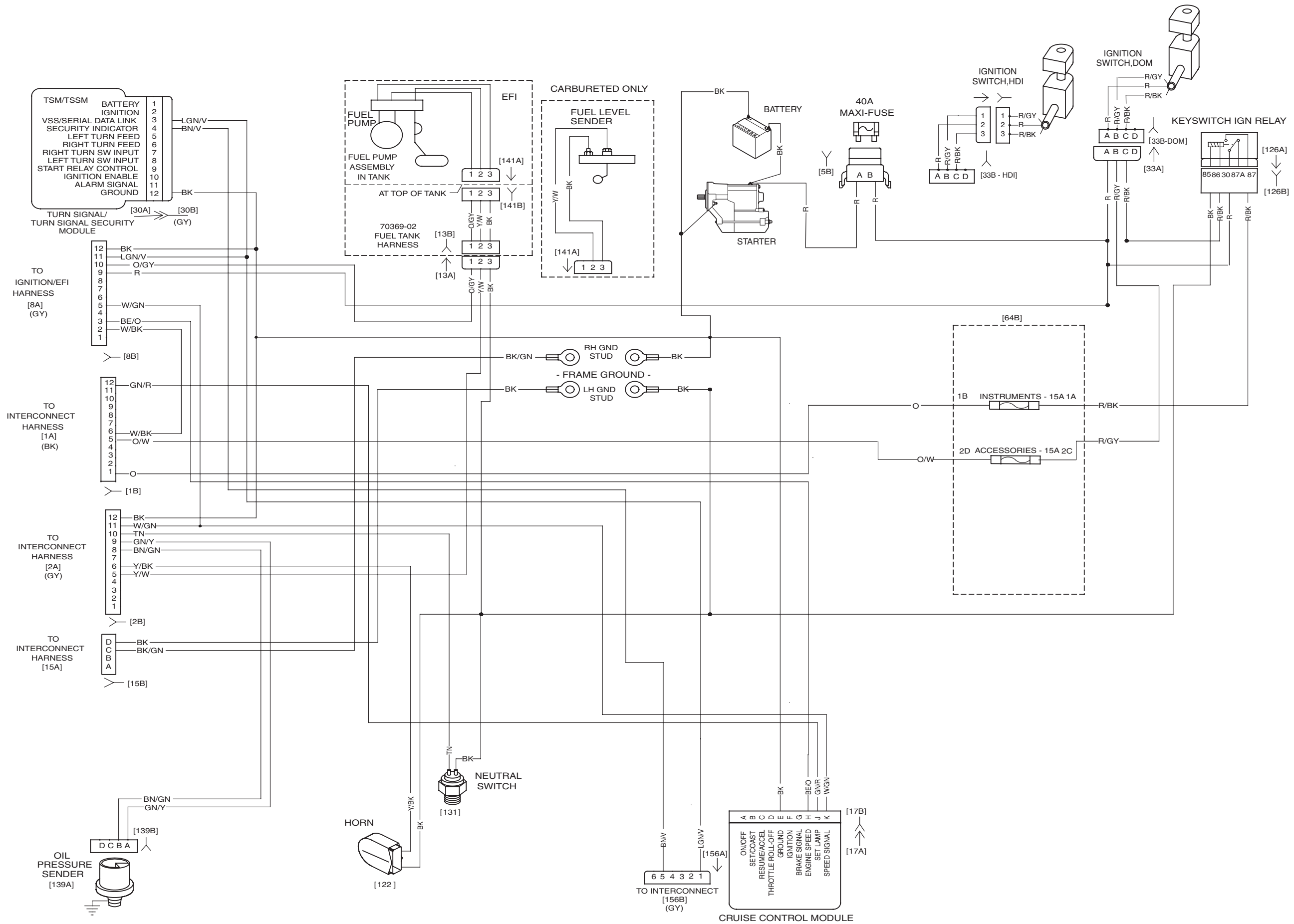
Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	W - White
Wire color-XX/XX-Stripe color		

NOTE
Strobe system option may also be installed on FLHPI and FHLPEI models

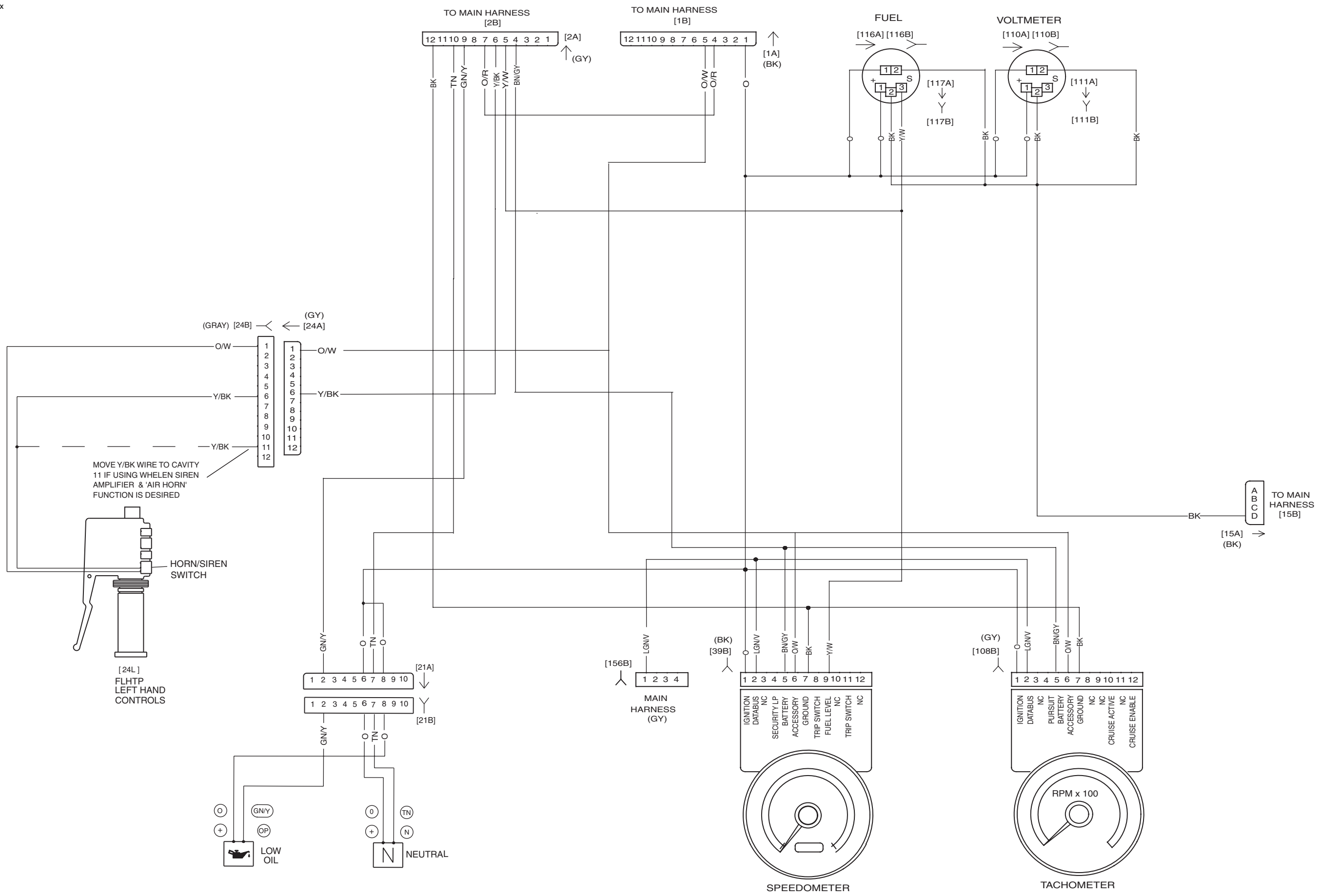


HAND CONTROLS



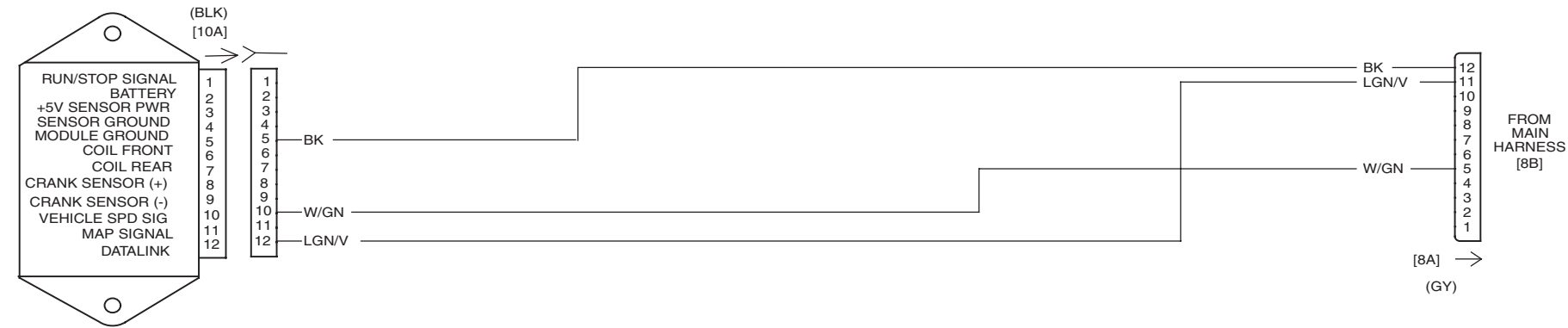


2005 FLT DOMESTIC and INTERNATIONAL MODELS, HORN AND INSTRUMENTS CIRCUITS: SHEET 1 OF 4



CARBURETED
VEHICLES

IGNITION CONTROL MODULE



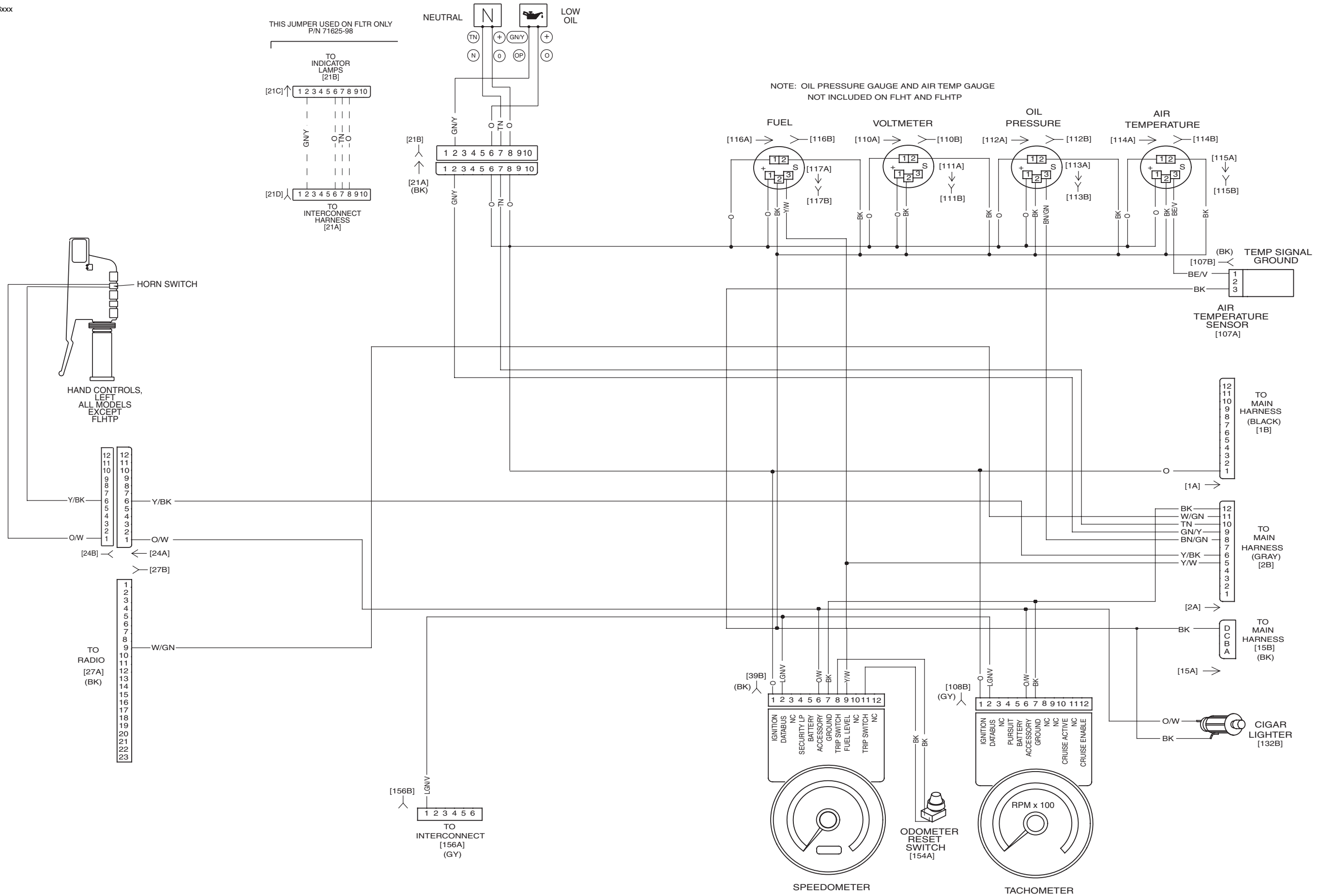
CARBURETED OVERLAY: 32435-04

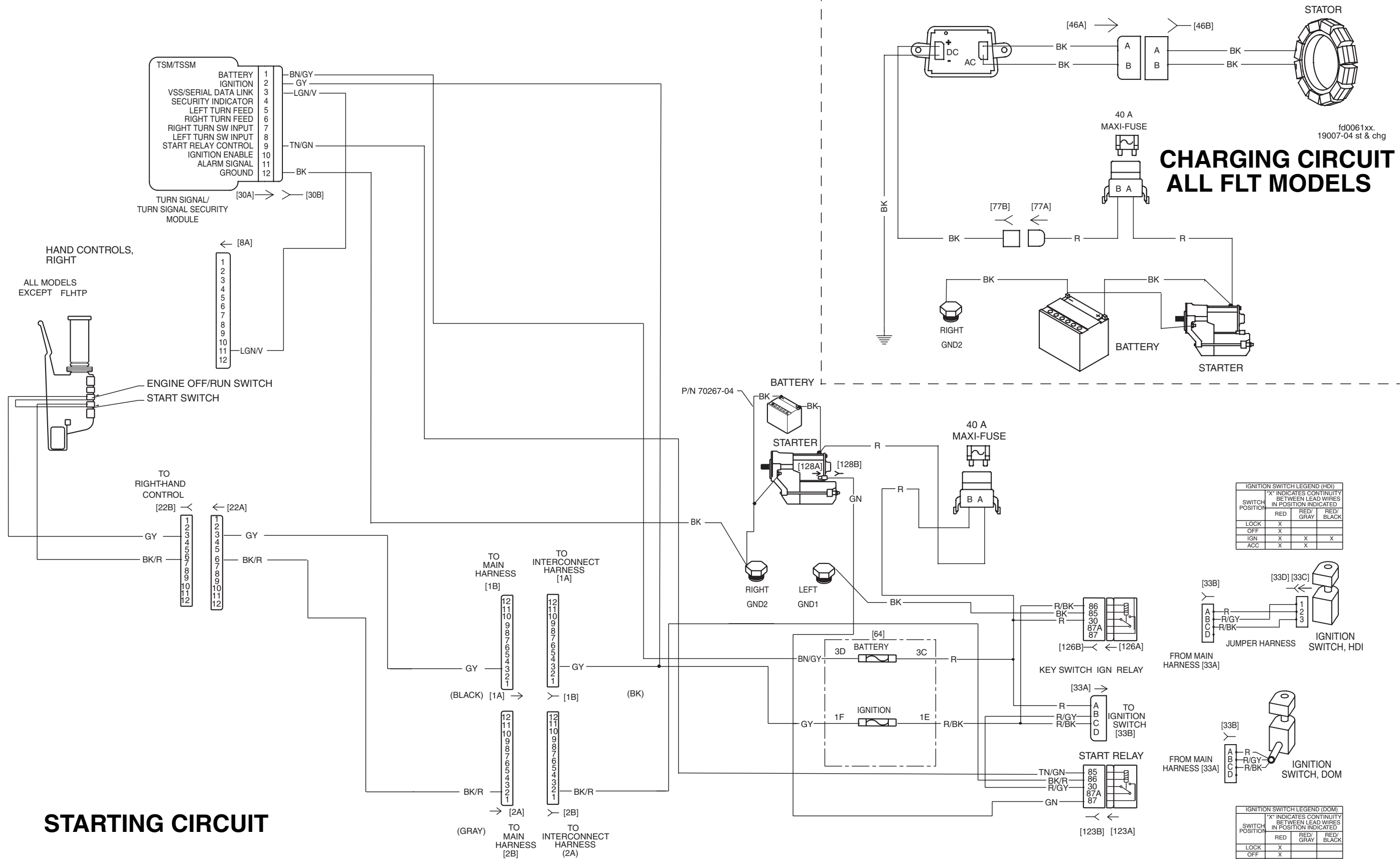
EFI OVERLAY: 70233-04

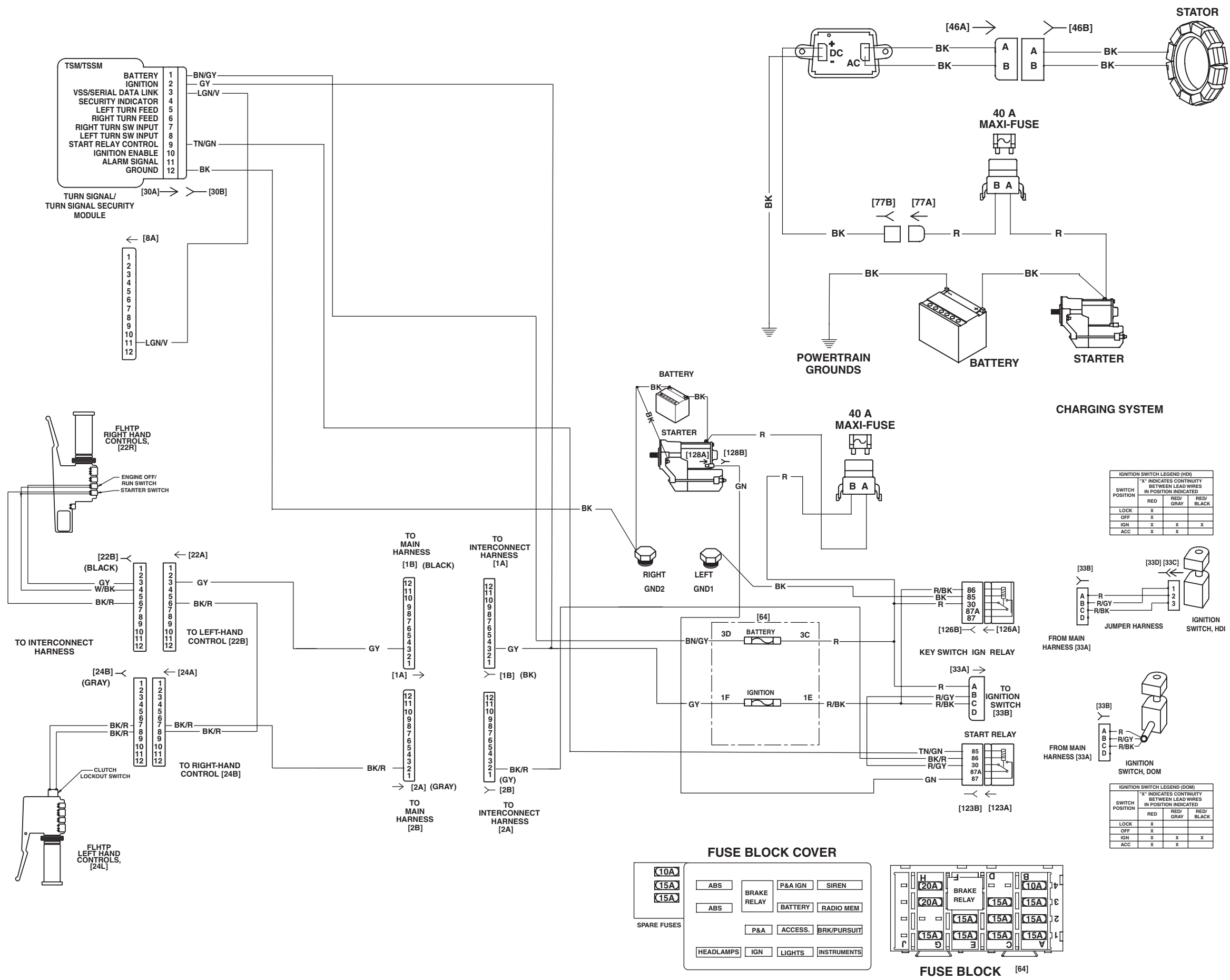
FUEL INJECTED
VEHICLES

ELECTRONIC
CONTROL
MODULE





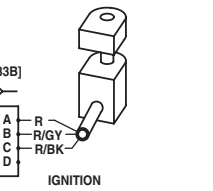
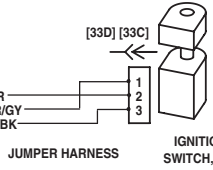




IGNITION SWITCH LEGEND (HDI)

*X INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED

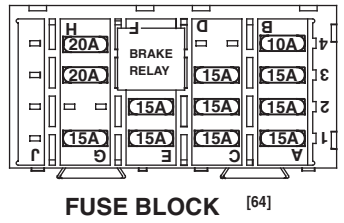
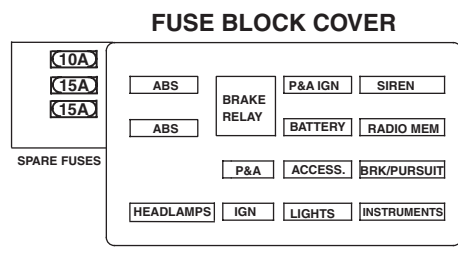
SWITCH POSITION	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

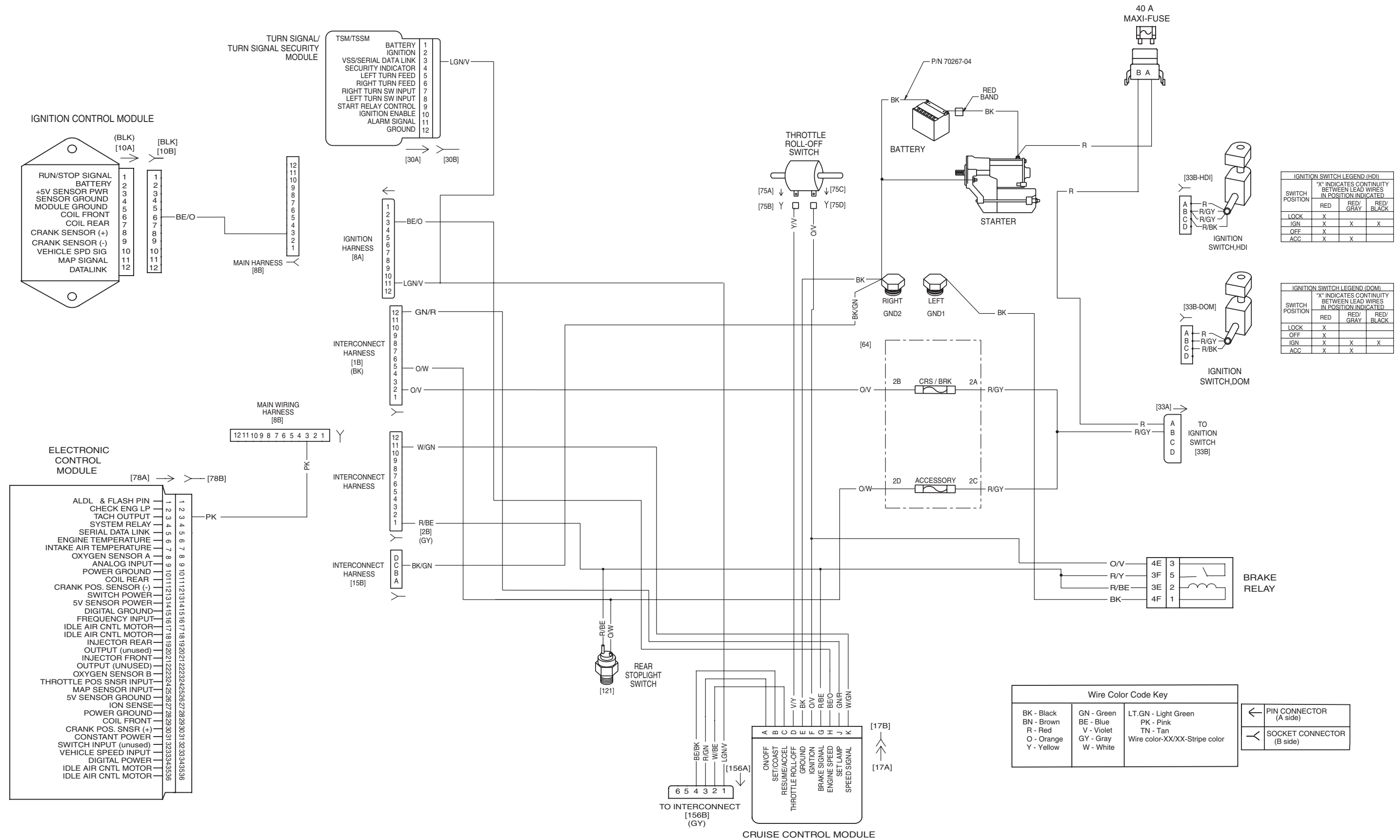


IGNITION SWITCH LEGEND (DOM)

*X INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED

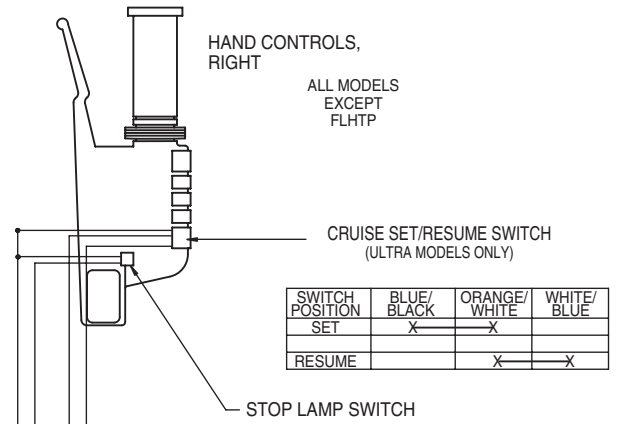
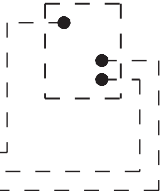
SWITCH POSITION	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	



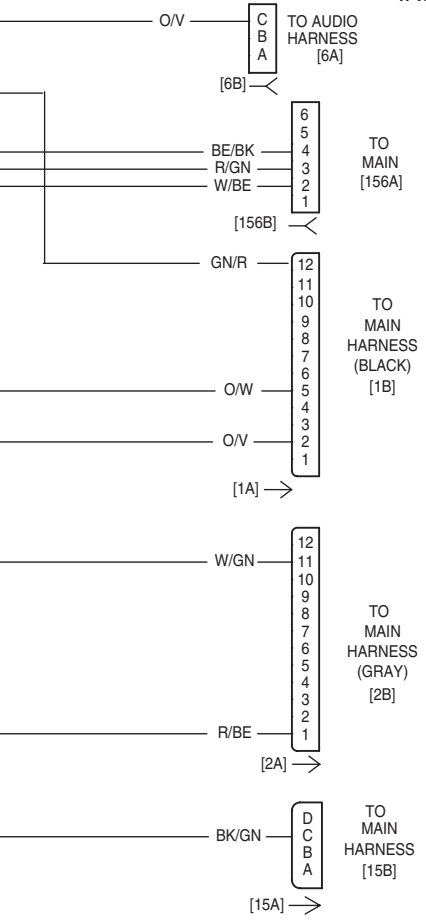
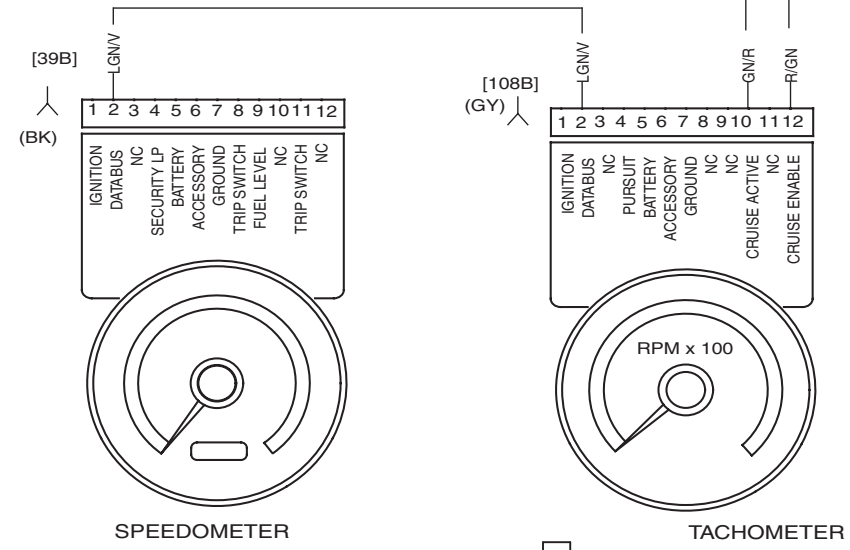
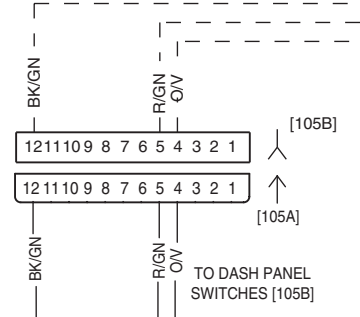
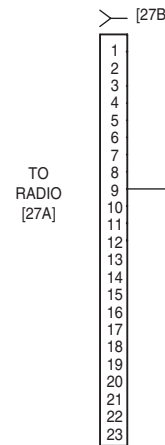
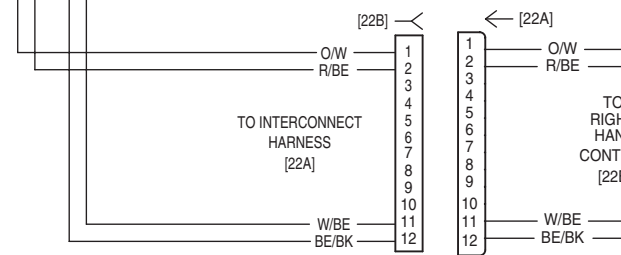


CRUISE

DASH PANEL MOUNTED SWITCHES
NOT INCLUDED ON FLHTP
"CRUISE" & "SPEAKER" SWITCHES
NOT INCLUDED ON FLHT, FLHTC, OR FLHTC-I

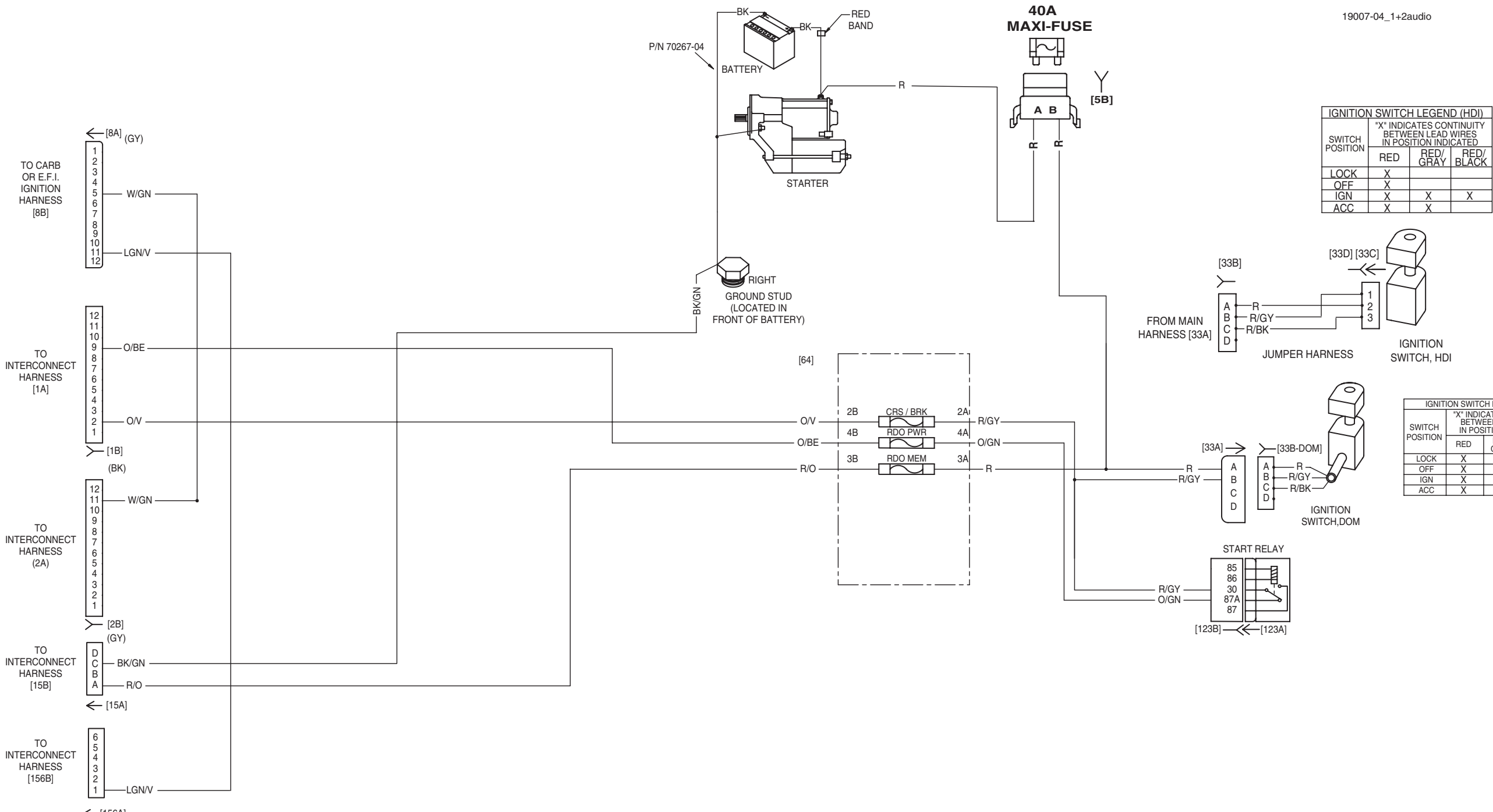


SWITCH POSITION	BLUE/BLACK	ORANGE/WHITE	WHITE/BLUE
SET	X	X	
RESUME		X	X



Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

←	PIN CONNECTOR (A side)
↙	SOCKET CONNECTOR (B side)



IGNITION SWITCH LEGEND (HDI)

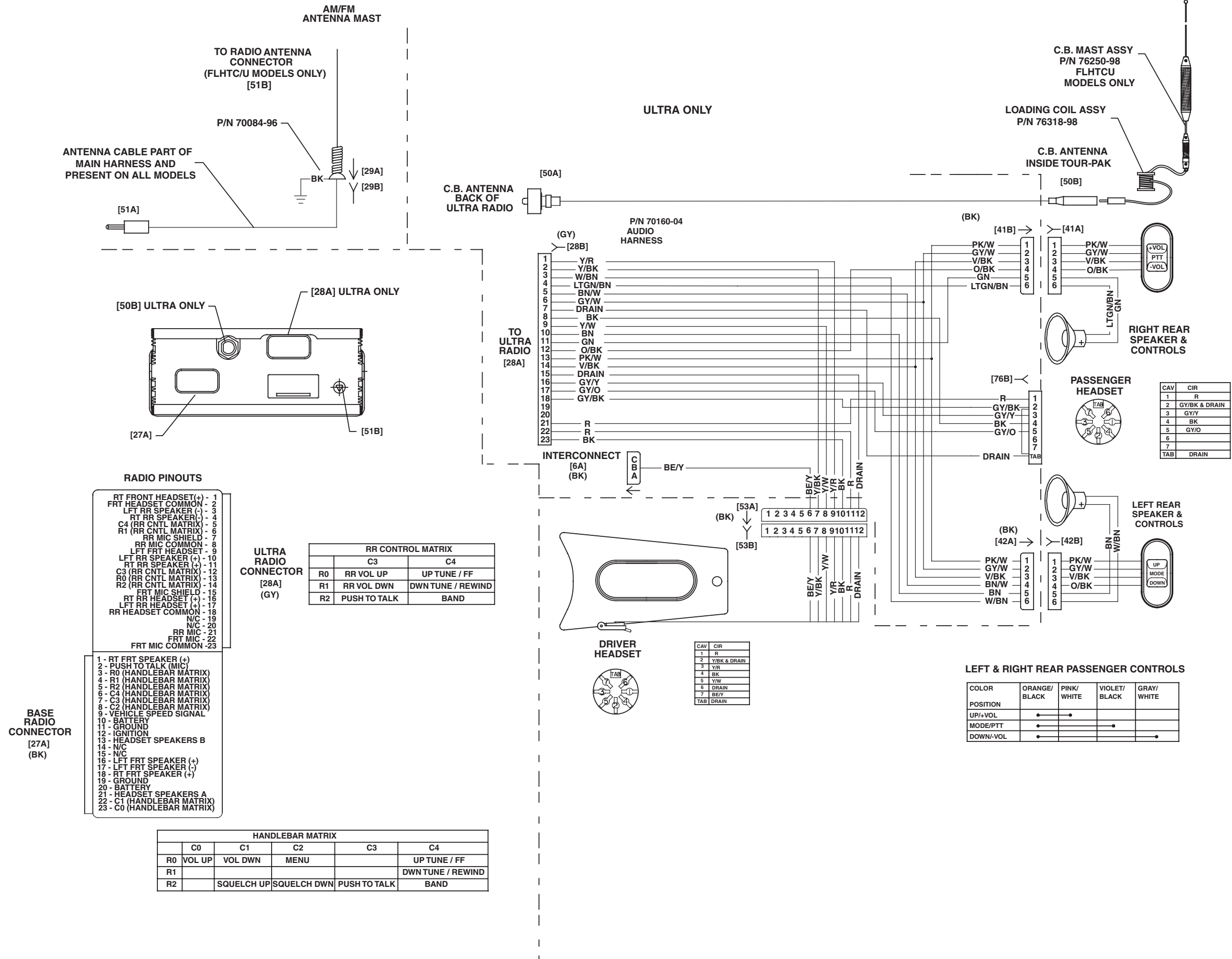
SWITCH POSITION	"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

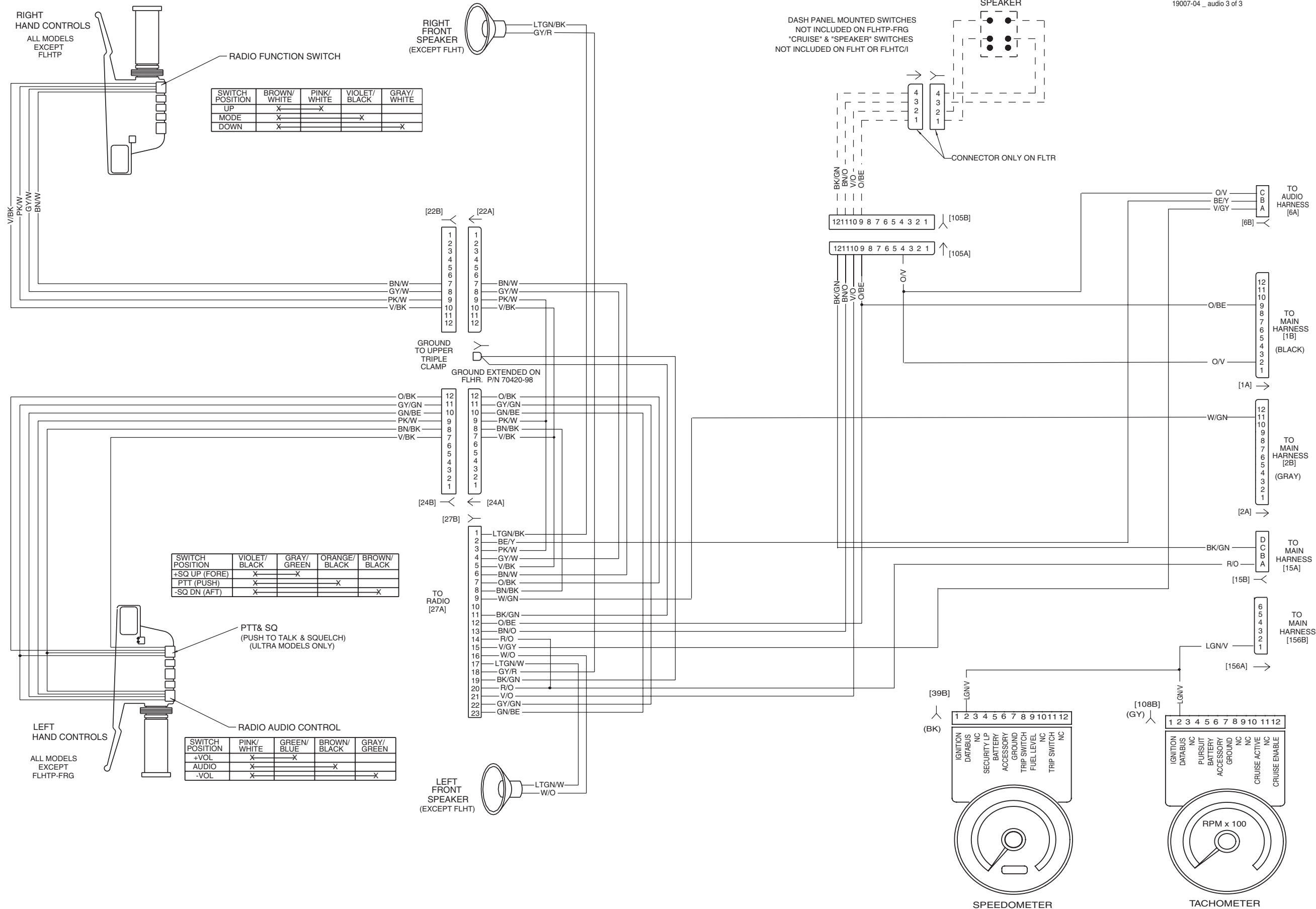
IGNITION SWITCH LEGEND (DOM)

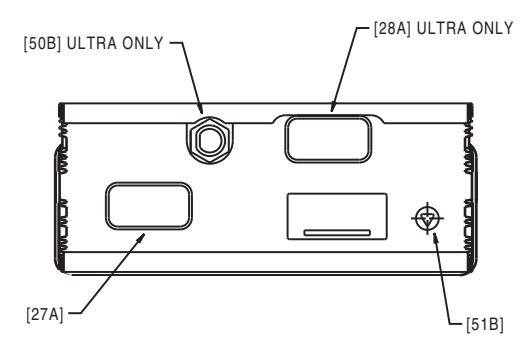
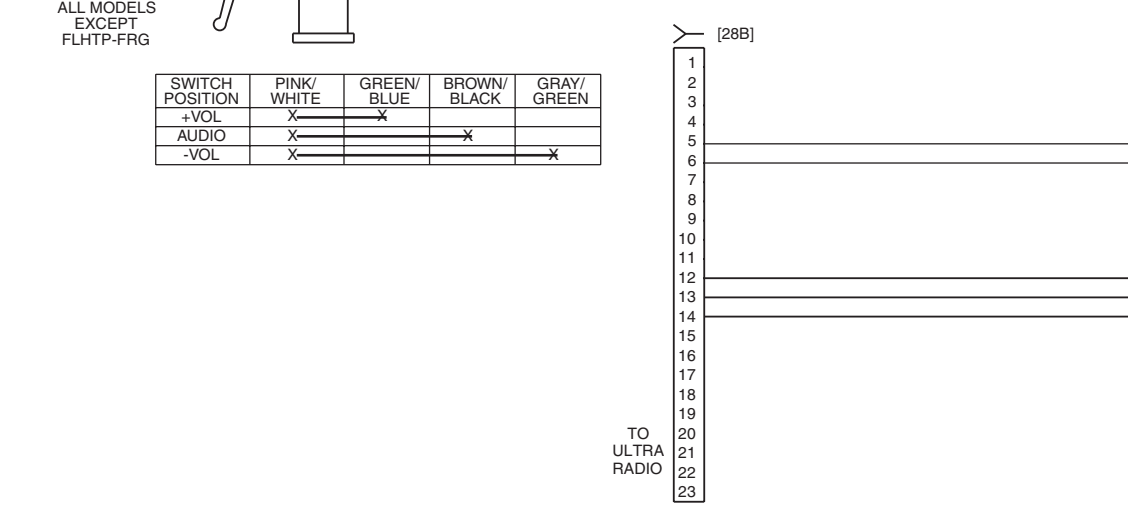
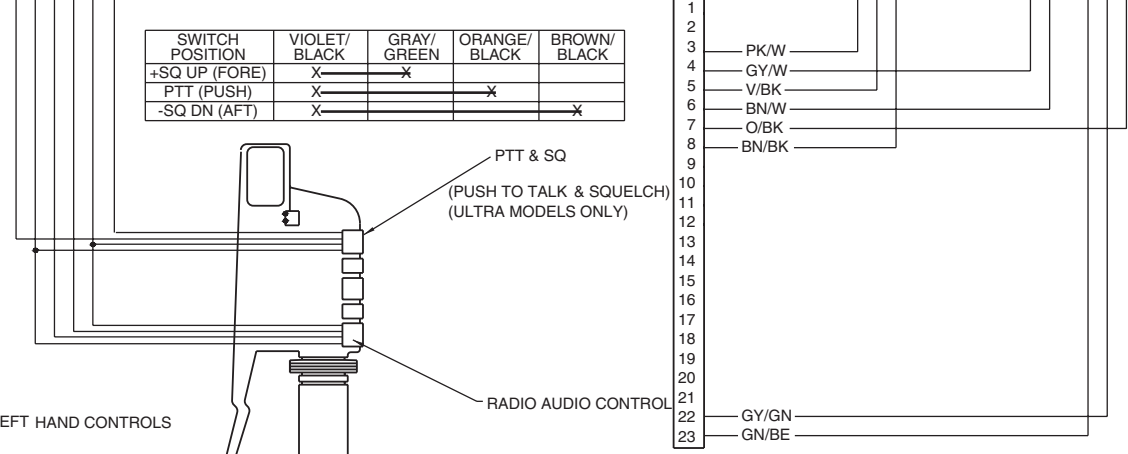
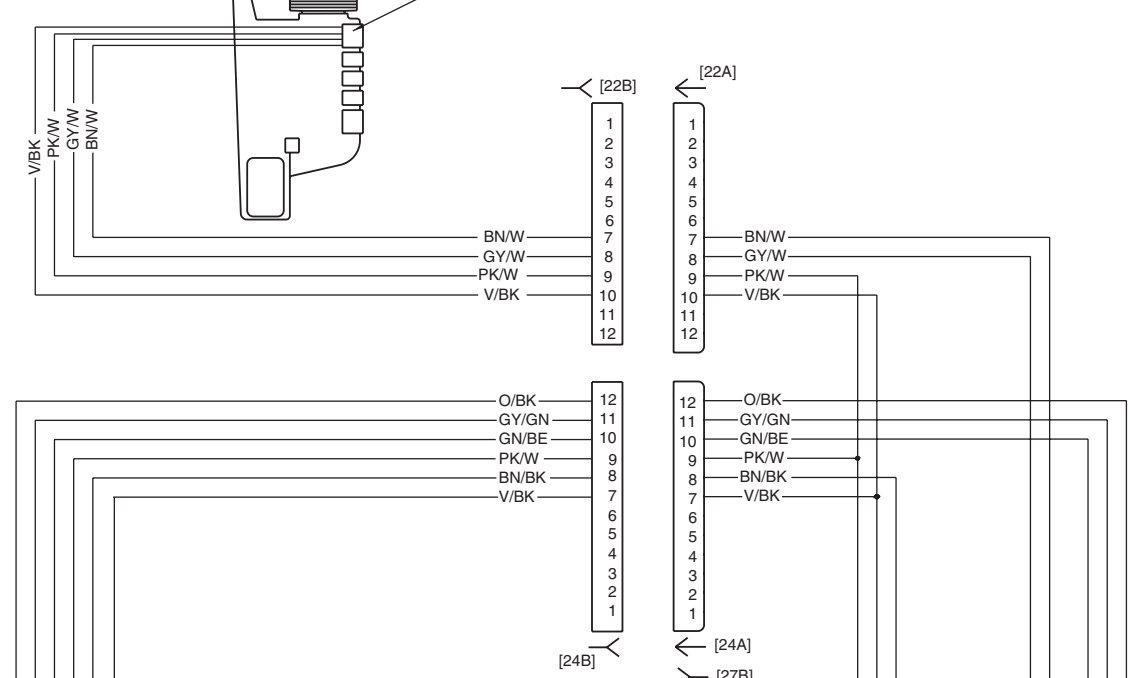
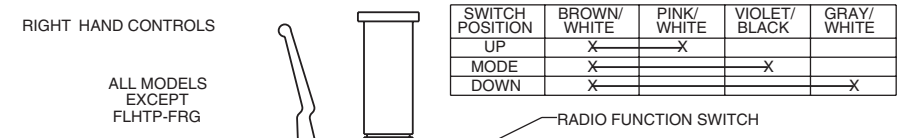
SWITCH POSITION	"X" INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

←	PIN CONNECTOR (A side)
↙	SOCKET CONNECTOR (B side)







RADIO PINOUTS

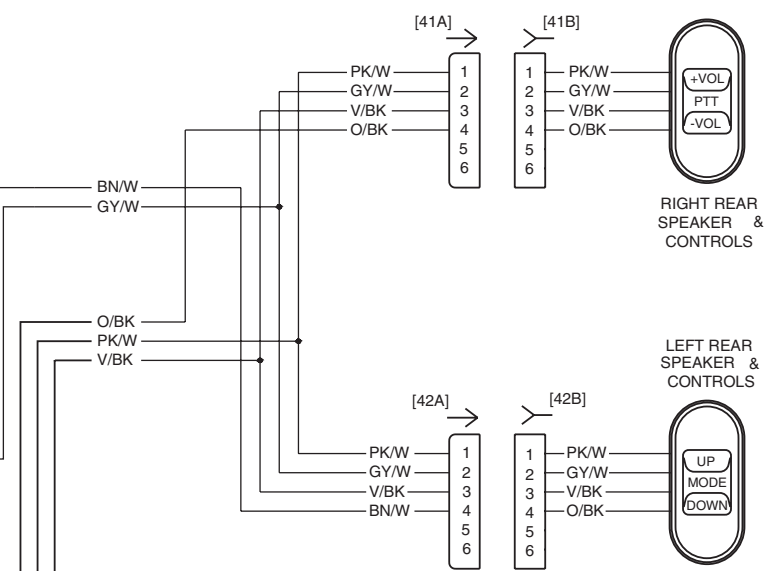
- 1 RT FRONT HEADSET(+)
- 2 FRT HEADSET COMMON
- 3 LFT RR SPEAKER (-)
- 4 RT RR SPEAKER(+)
- 5 C4 (RR CNTL MATRIX)
- 6 R1 (RR CNTL MATRIX)
- 7 RR MIC SHIELD
- 8 RR MIC COMMON
- 9 LFT FRT HEADSET
- 10 LFT RR SPEAKER (+)
- 11 RT RR SPEAKER (+)
- 12 C3 (RR CNTL MATRIX)
- 13 R0 (RR CNTL MATRIX)
- 14 R2 (RR CNTL MATRIX)
- 15 FRT MIC SHIELD
- 16 RT HEADSET (+)
- 17 LFT RR HEADSET (+)
- 18 RR HEADSET COMMON
- 19 N/C
- 20 N/C
- 21 RR MIC
- 22 FRT MIC
- 23 FRT MIC COMMON

	C3	C4
R0	RR VOL UP	UP TUNE / FF
R1	RR VOL DWN	DWN TUNE / REWIND
R2	PUSH TO TALK	BAND

	C0	C1	C2	C3	C4
R0	VOL UP	VOL DWN	MENU		UP TUNE / FF
R1					DWN TUNE / REWIND
R2		SQUELCH UP	SQUELCH DWN	PUSH TO TALK	BAND

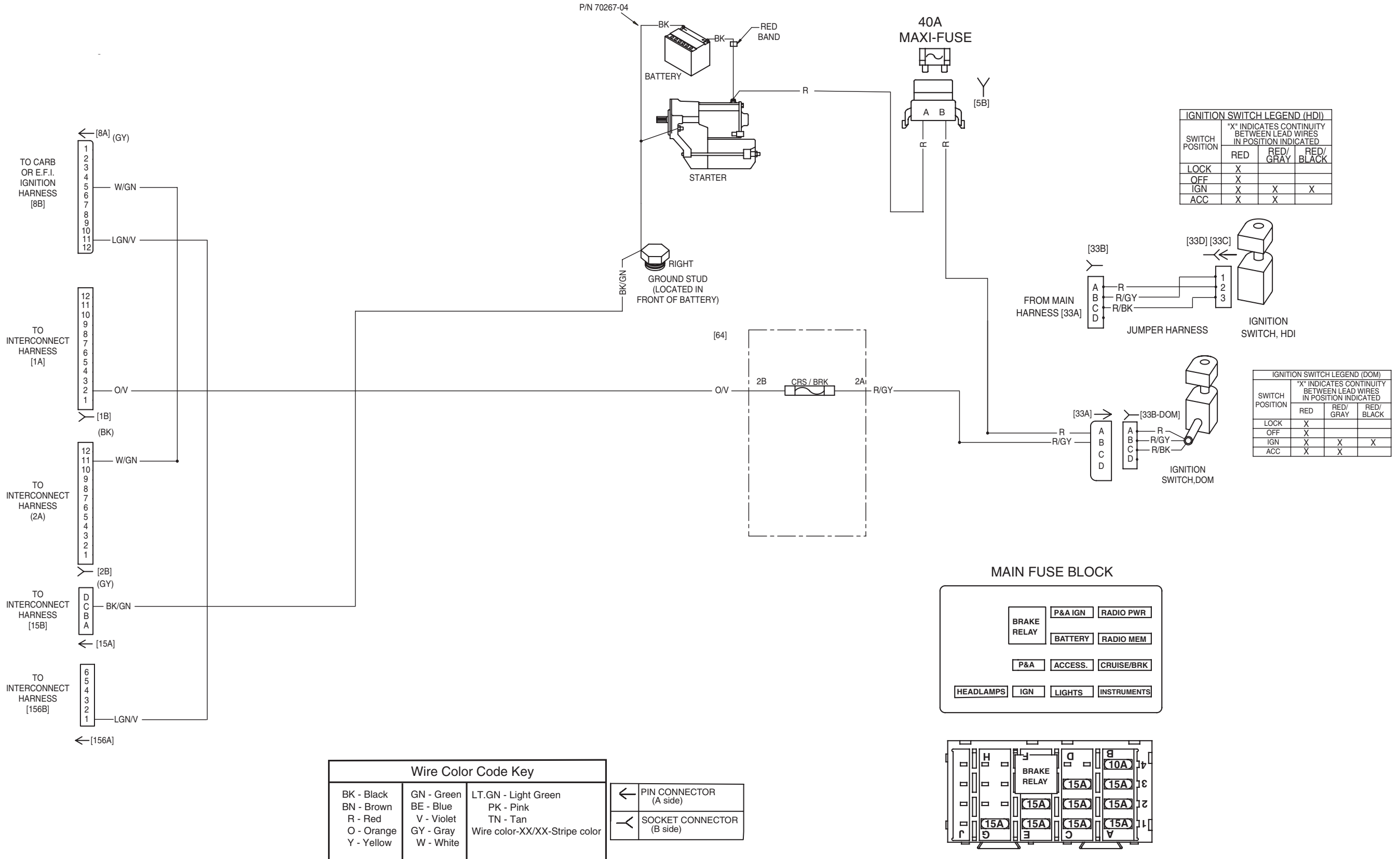
BASE RADIO CONNECTOR [27A]

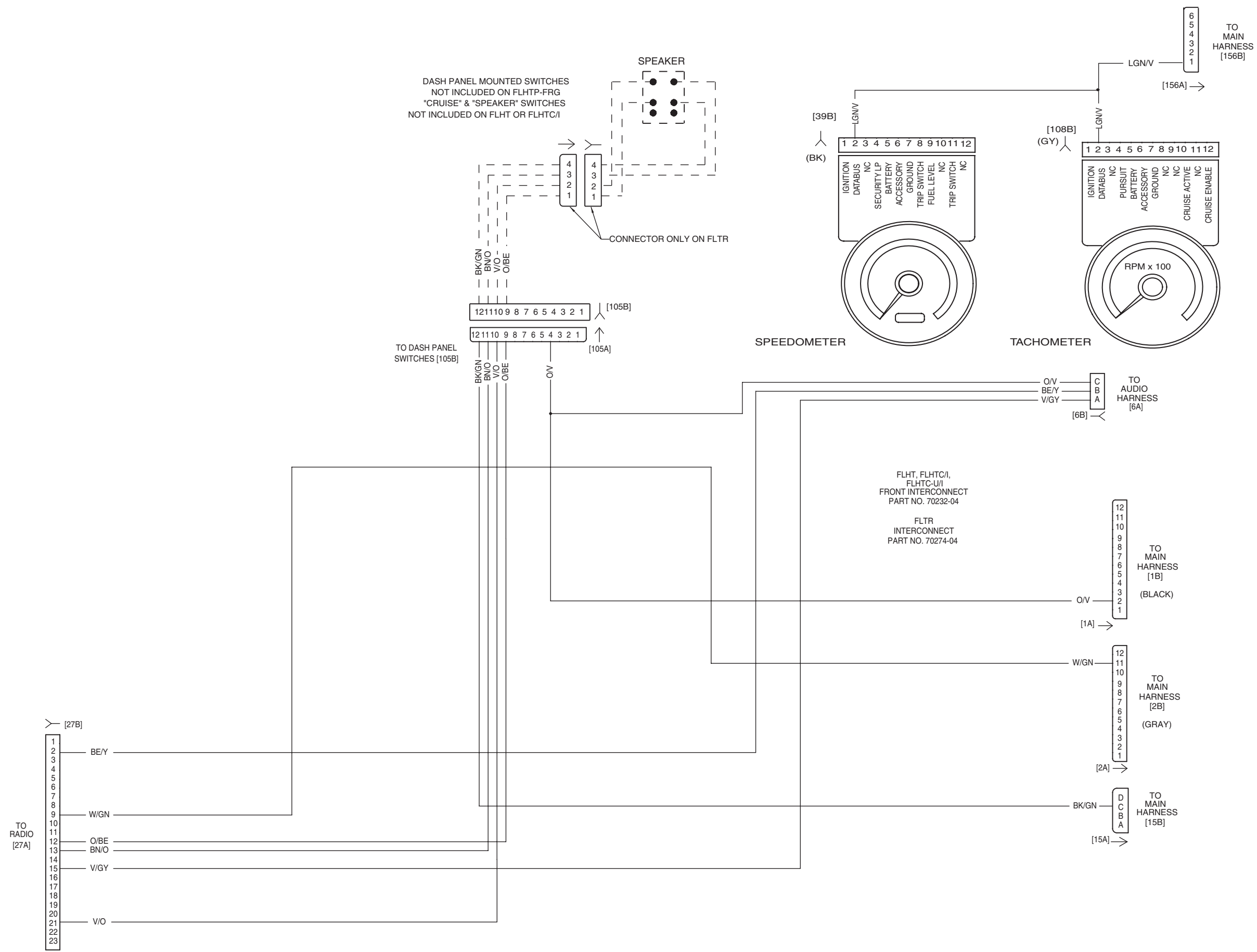
- 1 RT FRT SPEAKER (+)
- 2 PUSH TO TALK (MIC)
- 3 R0 (HANDLEBAR MATRIX)
- 4 R1 (HANDLEBAR MATRIX)
- 5 R2 (HANDLEBAR MATRIX)
- 6 C4 (HANDLEBAR MATRIX)
- 7 C3 (HANDLEBAR MATRIX)
- 8 C2 (HANDLEBAR MATRIX)
- 9 VEHICLE SPEED SIGNAL
- 10 BATTERY
- 11 GROUND
- 12 IGNITION
- 13 HEADSET SPEAKERS B
- 14 N/C
- 15 N/C
- 16 LFT FRT SPEAKER (+)
- 17 LFT FRT SPEAKER (-)
- 18 RT FRT SPEAKER (+)
- 19 GROUND
- 20 BATTERY
- 21 HEADSET SPEAKERS A
- 22 C1 (HANDLEBAR MATRIX)
- 23 C0 (HANDLEBAR MATRIX)

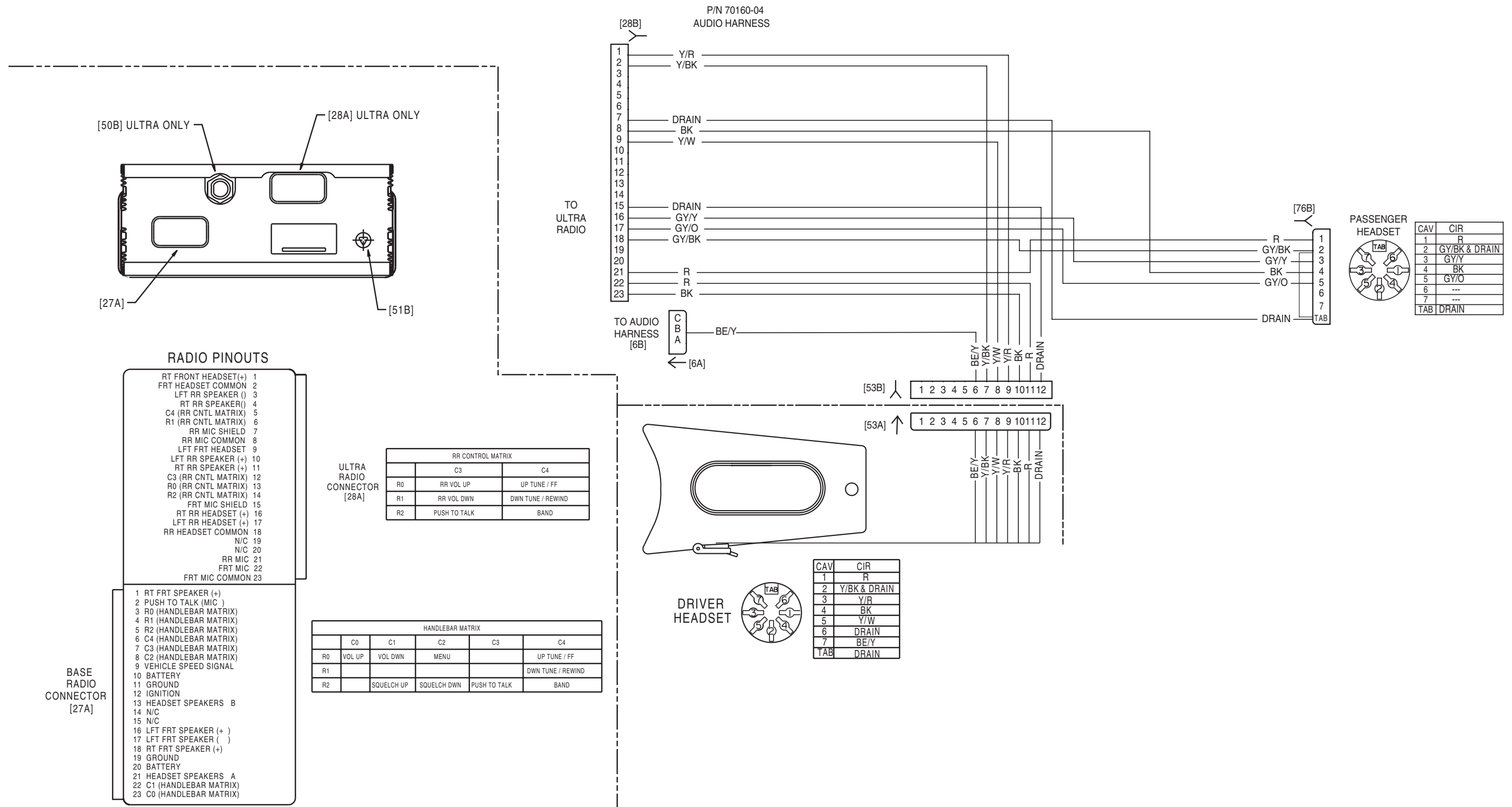


LEFT & RIGHT REAR PASSENGER CONTROLS

COLOR POSITION	ORANGE/BLACK	PINK/WHITE	VIOLET/BLACK	GRAY/WHITE
UP/+VOL	•	•		
MODE/PTT	•		•	
DOWN/-VOL	•			•







RADIO PINOUTS

- 1 RT FRONT HEADSET(+)
- 2 FRT HEADSET COMMON
- 3 LFT RR SPEAKER (-)
- 4 RT RR SPEAKER(+)
- 5 C4 (RR CNTL MATRIX)
- 6 R1 (RR CNTL MATRIX)
- 7 RR MIC SHIELD
- 8 RR MIC COMMON
- 9 LFT FRT HEADSET
- 10 LFT RR SPEAKER (+)
- 11 RT RR SPEAKER (+)
- 12 C3 (RR CNTL MATRIX)
- 13 R0 (RR CNTL MATRIX)
- 14 R2 (RR CNTL MATRIX)
- 15 FRT MIC SHIELD
- 16 RT RR HEADSET (+)
- 17 LFT RR HEADSET (+)
- 18 RR HEADSET COMMON
- 19 N/C
- 20 N/C
- 21 RR MIC
- 22 FRT MIC
- 23 FRT MIC COMMON

- 1 RT FRT SPEAKER (+)
- 2 PUSH TO TALK (MIC)
- 3 R0 (HANDLEBAR MATRIX)
- 4 R1 (HANDLEBAR MATRIX)
- 5 R2 (HANDLEBAR MATRIX)
- 6 C4 (HANDLEBAR MATRIX)
- 7 C3 (HANDLEBAR MATRIX)
- 8 C2 (HANDLEBAR MATRIX)
- 9 VEHICLE SPEED SIGNAL
- 10 BATTERY
- 11 GROUND
- 12 IGNITION
- 13 HEADSET SPEAKERS B
- 14 N/C
- 15 N/C
- 16 LFT FRT SPEAKER (+)
- 17 LFT FRT SPEAKER (-)
- 18 RT FRT SPEAKER (+)
- 19 GROUND
- 20 BATTERY
- 21 HEADSET SPEAKERS A
- 22 C1 (HANDLEBAR MATRIX)
- 23 C0 (HANDLEBAR MATRIX)

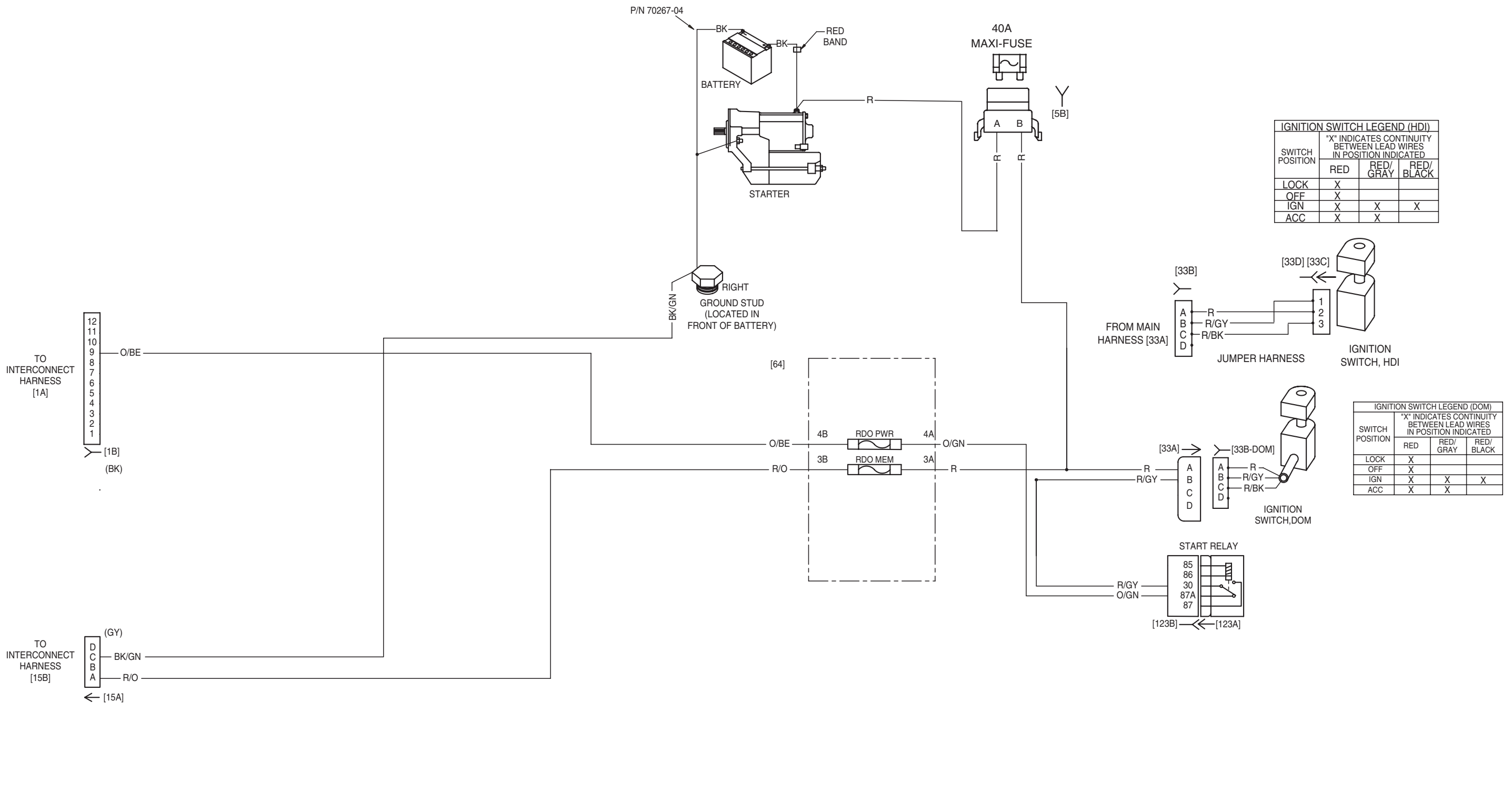
BASE RADIO CONNECTOR [27A]

RR CONTROL MATRIX		
	C3	C4
R0	RR VOL UP	UP TUNE / FF
R1	RR VOL DWN	DWN TUNE / REWIND
R2	PUSH TO TALK	BAND

HANDLEBAR MATRIX					
	C0	C1	C2	C3	C4
R0	VOL UP	VOL DWN	MENU		UP TUNE / FF
R1					DWN TUNE / REWIND
R2		SQUELCH UP	SQUELCH DWN	PUSH TO TALK	BAND

CAV	CIR
1	R
2	Y/BK & DRAIN
3	Y/R
4	BK
5	Y/W
6	DRAIN
7	BE/Y
TAB	DRAIN

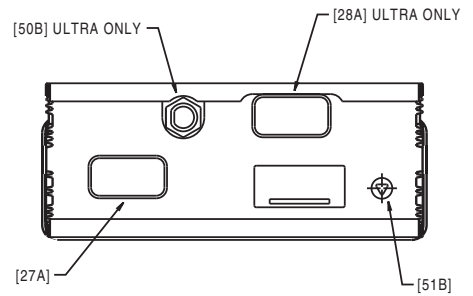
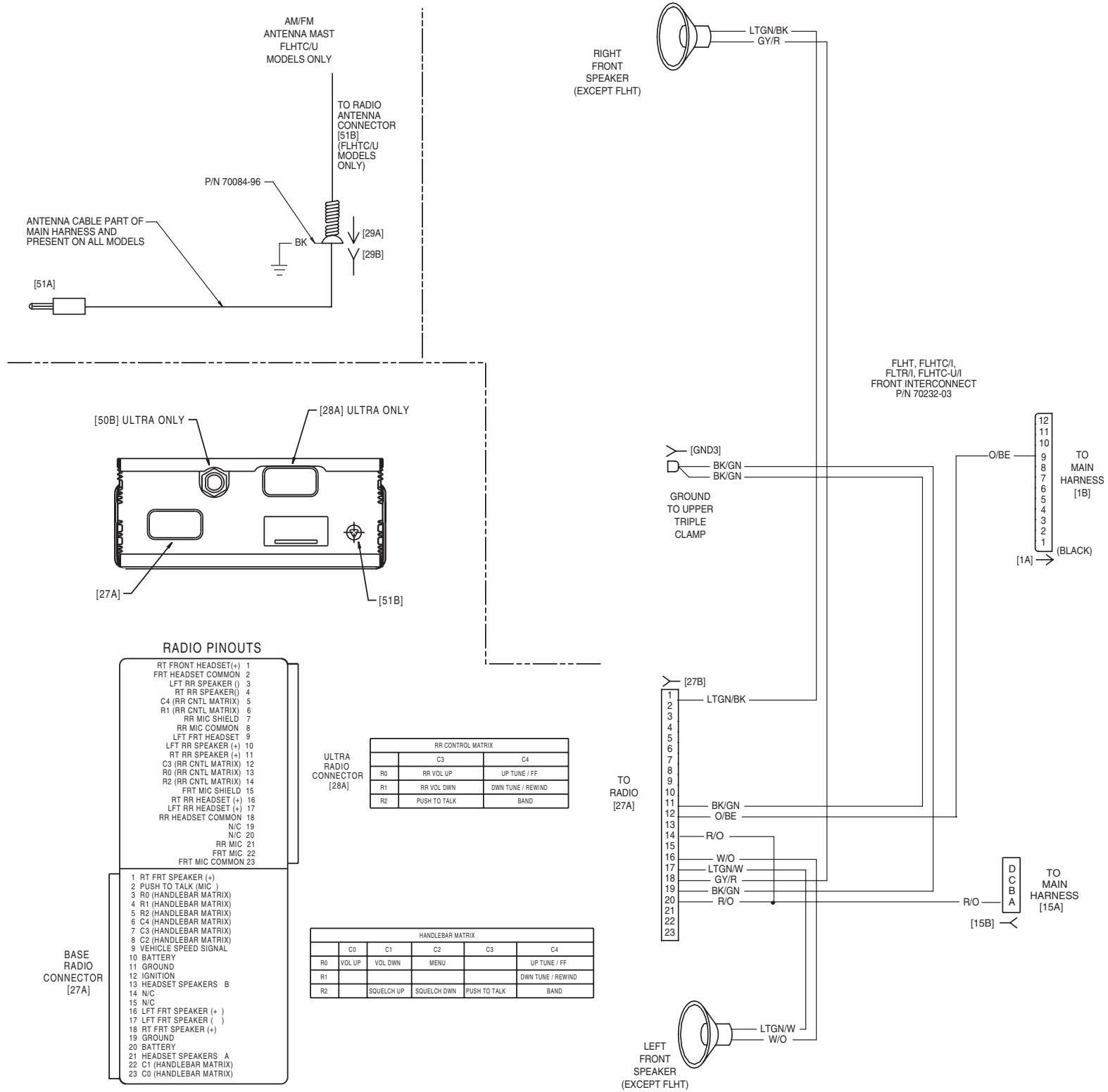
PASSENGER HEADSET	
CAV	CIR
1	R
2	GY/BK & DRAIN
3	GY/Y
4	BK
5	GY/O
6	---
7	---
TAB	DRAIN



SWITCH POSITION	*X* INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

SWITCH POSITION	*X* INDICATES CONTINUITY BETWEEN LEAD WIRES IN POSITION INDICATED		
	RED	RED/GRAY	RED/BLACK
LOCK	X		
OFF	X		
IGN	X	X	X
ACC	X	X	

Wire Color Code Key			
BK - Black	GN - Green	LT.GN - Light Green	← PIN CONNECTOR (A side)
BN - Brown	BE - Blue	PK - Pink	↙ SOCKET CONNECTOR (B side)
R - Red	V - Violet	TN - Tan	
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color	
Y - Yellow	W - White		



RADIO PINOUTS

RT FRONT HEADSET (+)	1
FRT HEADSET COMMON	2
LFT RR SPEAKER (-)	3
RT RR SPEAKER (-)	4
C4 (RR CNTL MATRIX)	5
R1 (RR CNTL MATRIX)	6
RR MIC SHIELD	7
RR MIC COMMON	8
LFT FRT HEADSET	9
LFT RR SPEAKER (+)	10
RT RR SPEAKER (+)	11
C3 (RR CNTL MATRIX)	12
R0 (RR CNTL MATRIX)	13
R2 (RR CNTL MATRIX)	14
FRT MIC SHIELD	15
RT RR HEADSET (+)	16
LFT RR HEADSET (+)	17
RR HEADSET COMMON	18
N/C	19
N/C	20
RR MIC	21
FRT MIC	22
FRT MIC COMMON	23

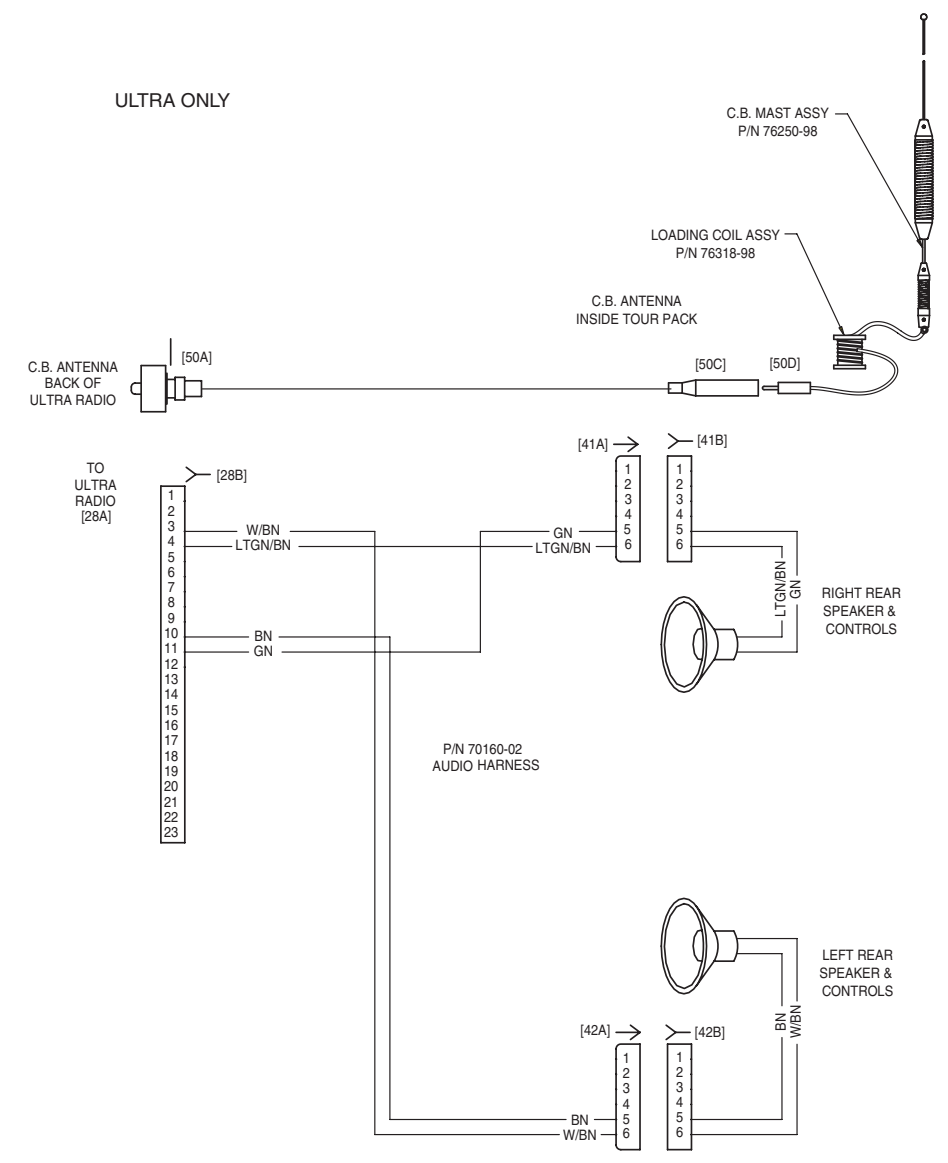
BASE RADIO CONNECTOR [27A]

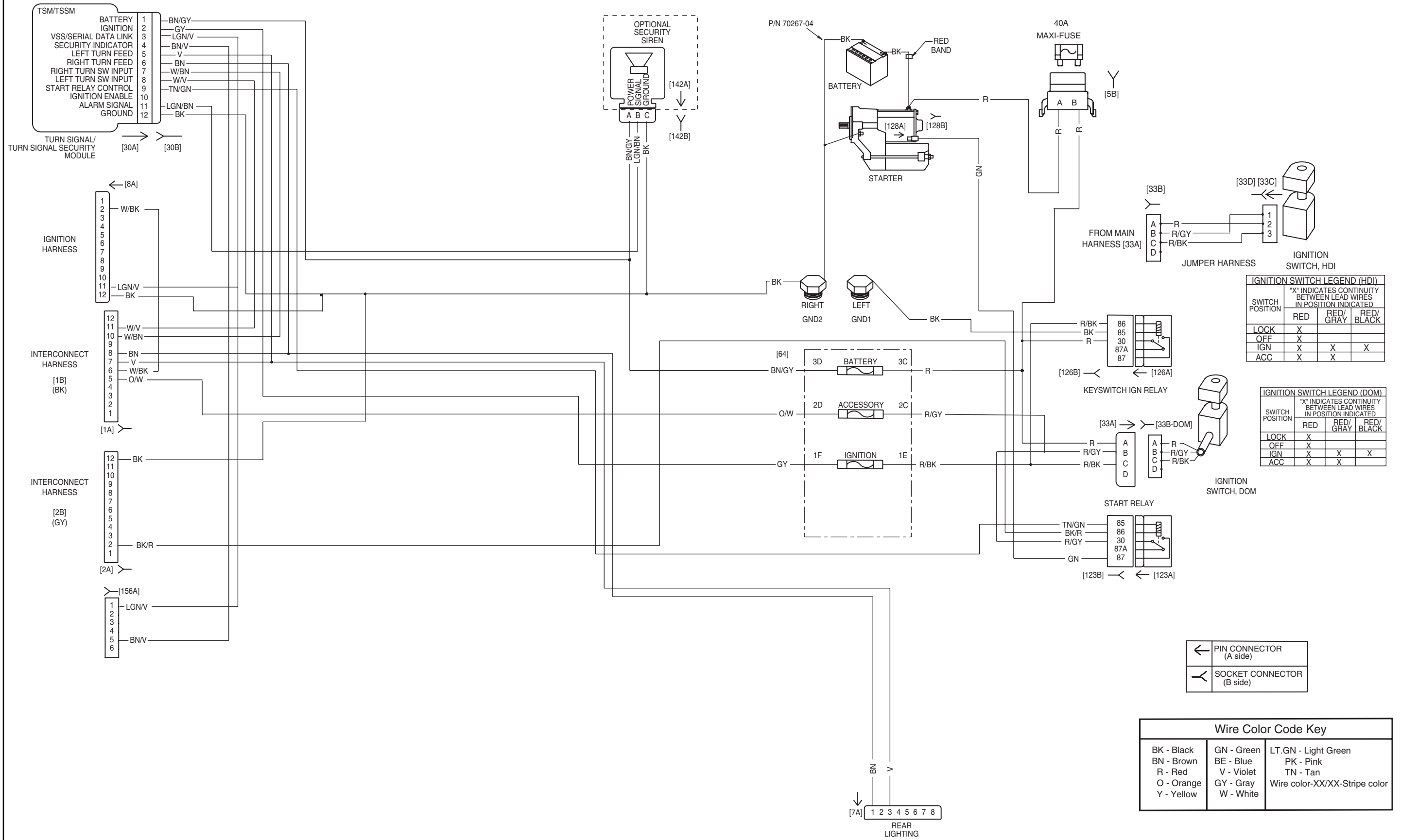
1	RT FRT SPEAKER (+)
2	PUSH TO TALK (MIC)
3	R0 (HANDLEBAR MATRIX)
4	R1 (HANDLEBAR MATRIX)
5	R2 (HANDLEBAR MATRIX)
6	C4 (HANDLEBAR MATRIX)
7	C3 (HANDLEBAR MATRIX)
8	C2 (HANDLEBAR MATRIX)
9	VEHICLE SPEED SIGNAL
10	BATTERY
11	GROUND
12	IGNITION
13	HEADSET SPEAKERS B
14	N/C
15	N/C
16	LFT FRT SPEAKER (+)
17	LFT FRT SPEAKER (-)
18	RT FRT SPEAKER (+)
19	GROUND
20	BATTERY
21	HEADSET SPEAKERS A
22	C1 (HANDLEBAR MATRIX)
23	C0 (HANDLEBAR MATRIX)

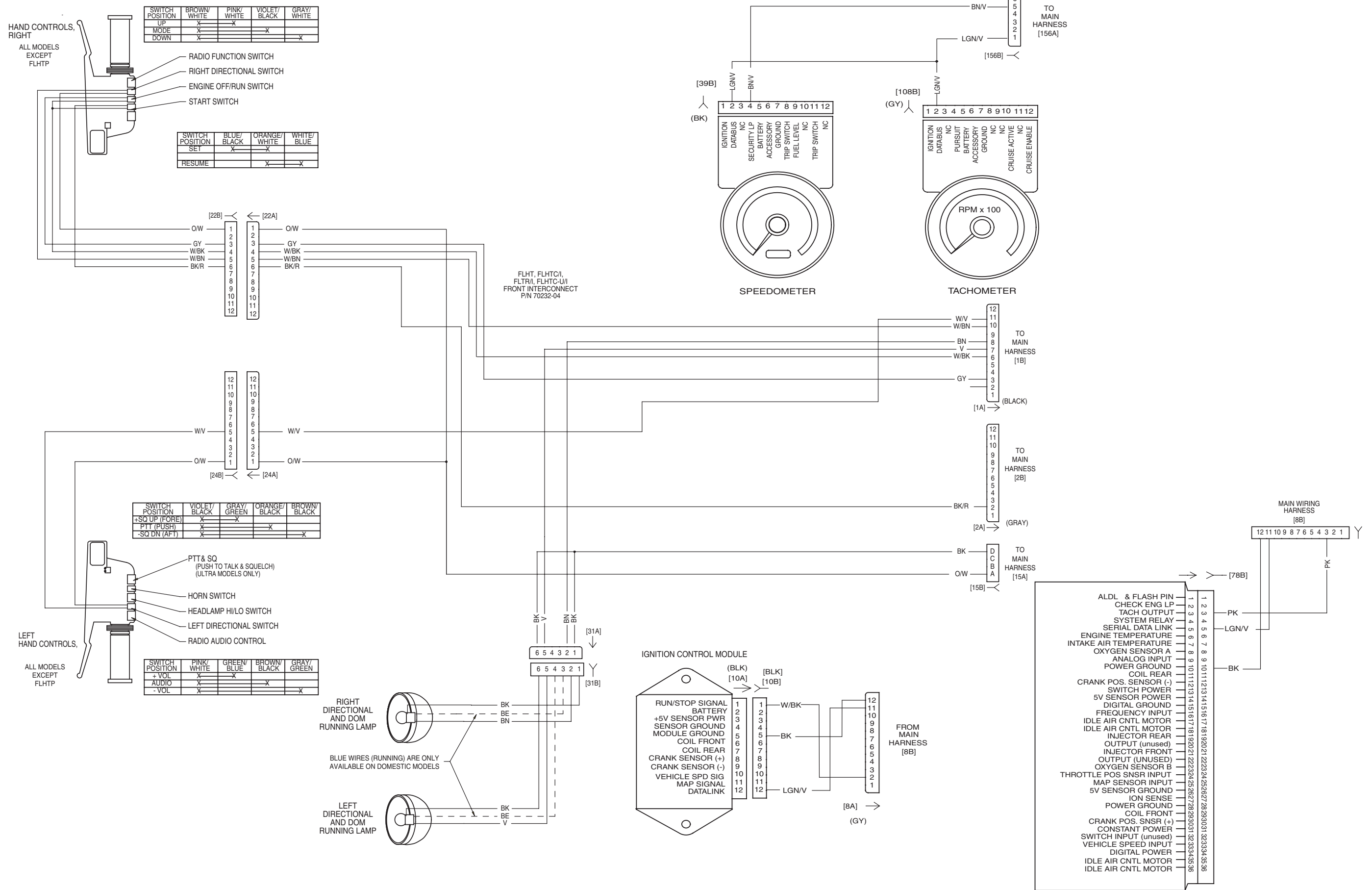
ULTRA RADIO CONNECTOR [28A]

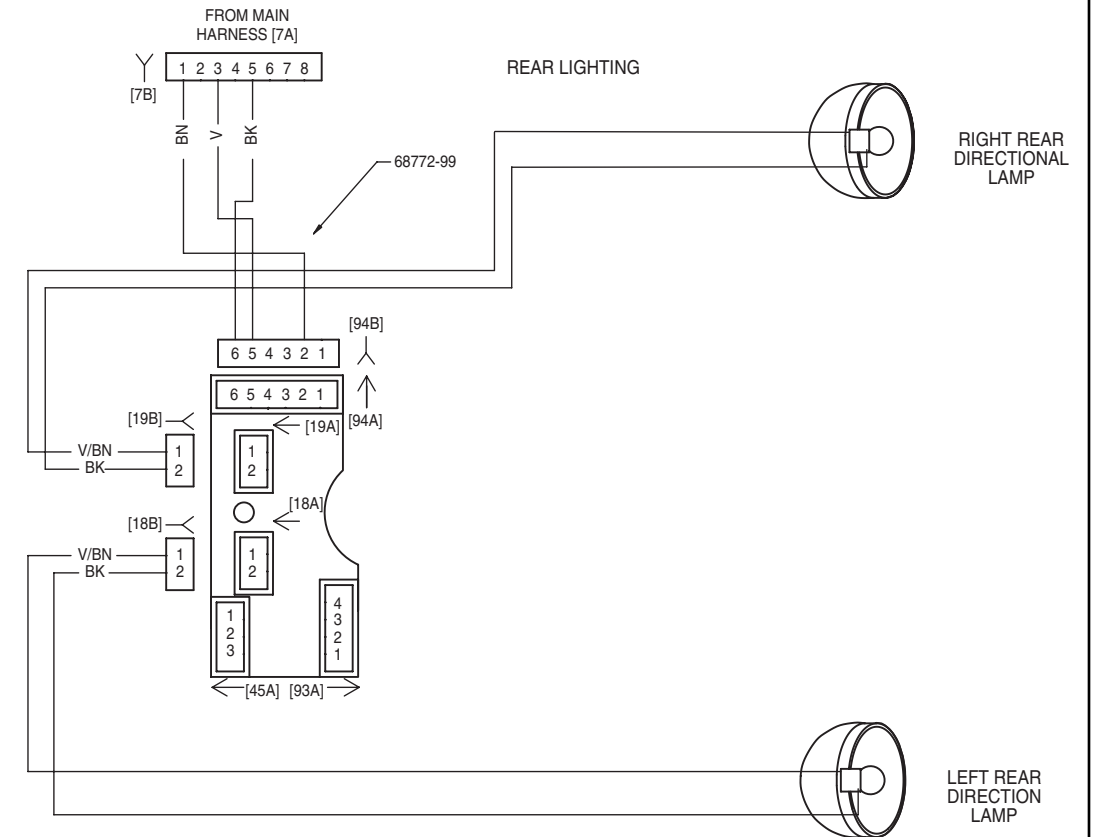
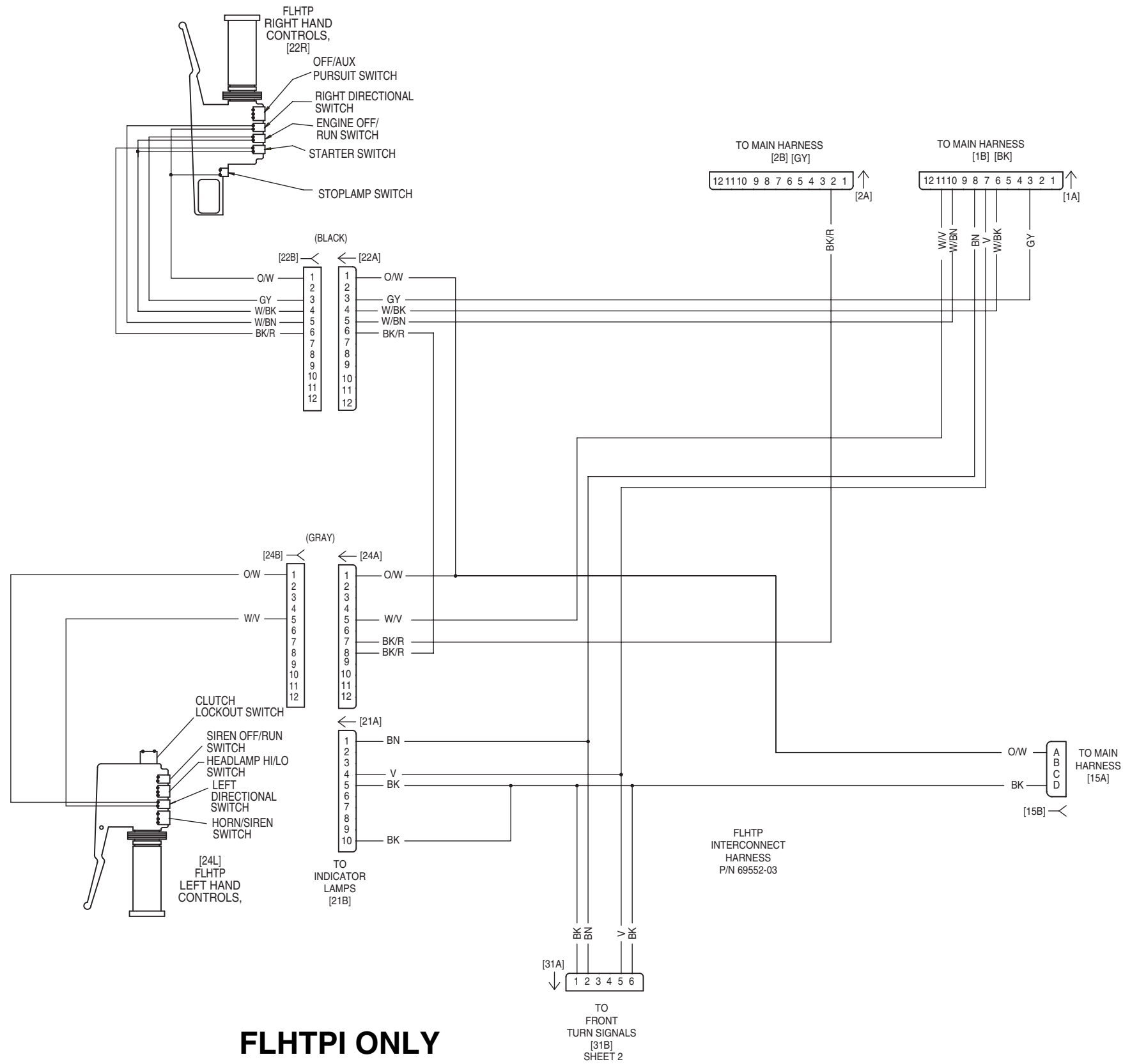
RR CONTROL MATRIX			
	C3	C4	
R0	RR VOL UP	UP TUNE / FF	
R1	RR VOL DWN	DWN TUNE / REWIND	
R2	PUSH TO TALK	BAND	

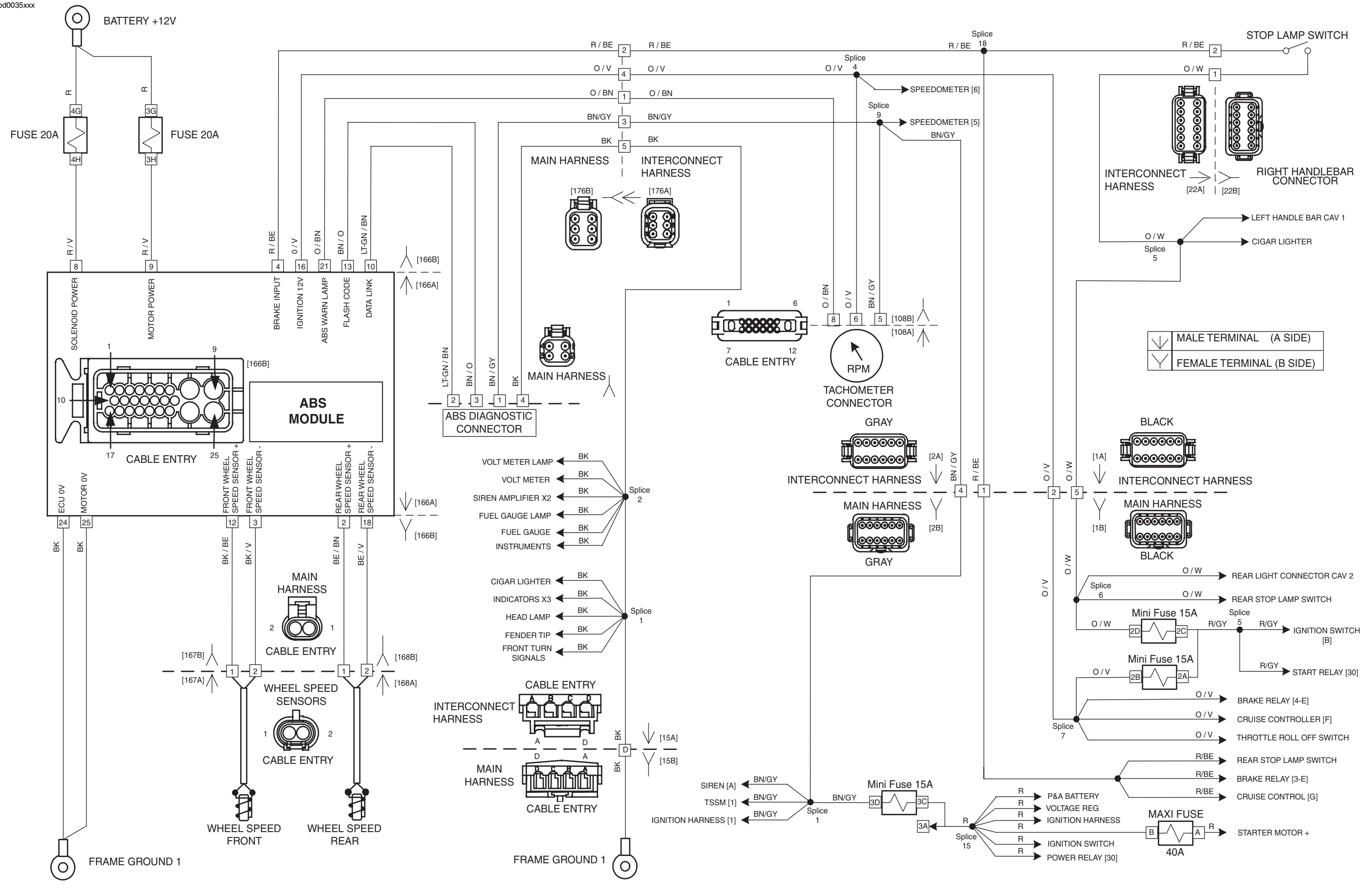
HANDLEBAR MATRIX					
	C0	C1	C2	C3	C4
R0	VOL UP	VOL DWN	MENU		UP TUNE / FF
R1					DWN TUNE / REWIND
R2		SQUELCH UP	SQUELCH DWN	PUSH TO TALK	BAND



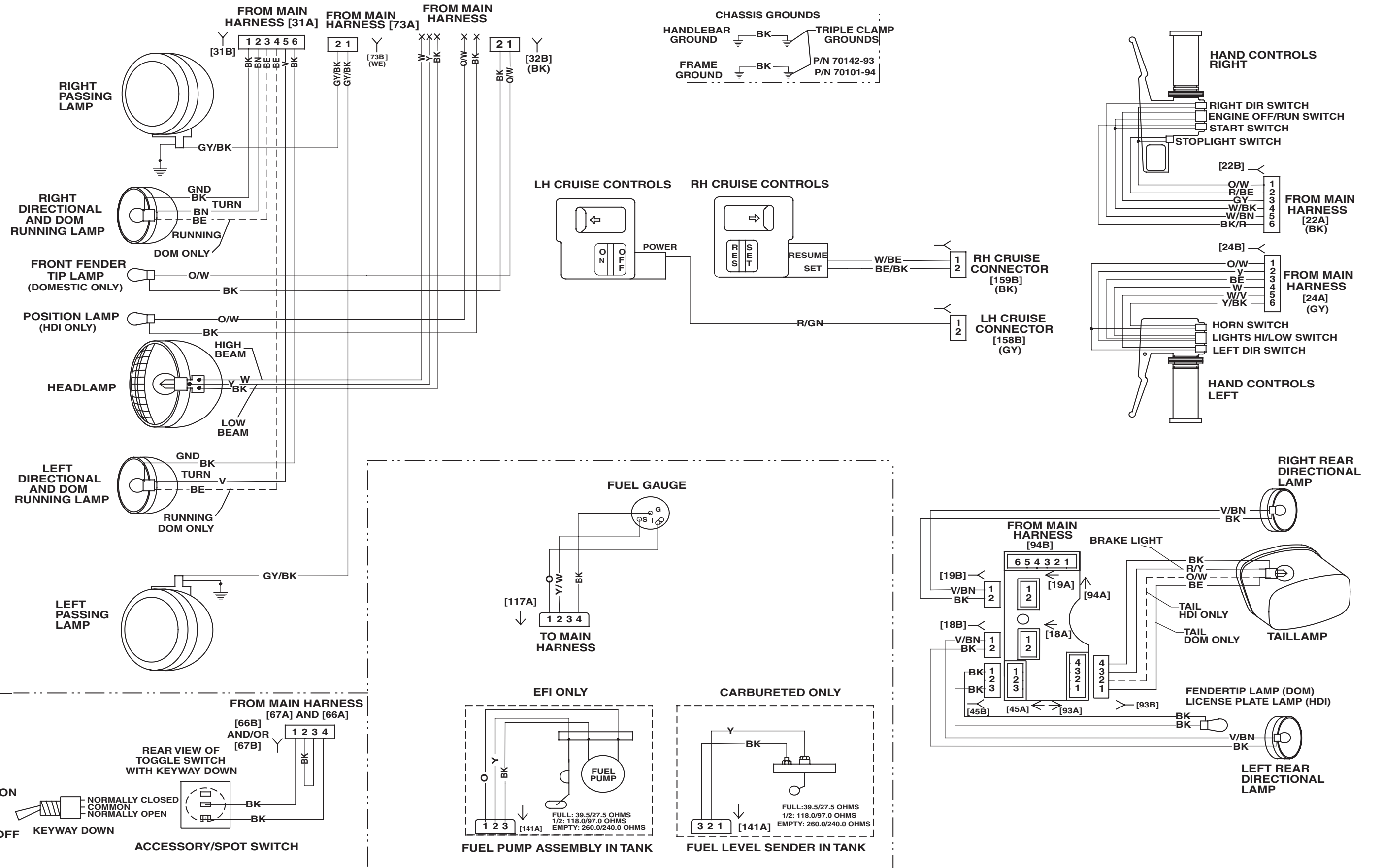


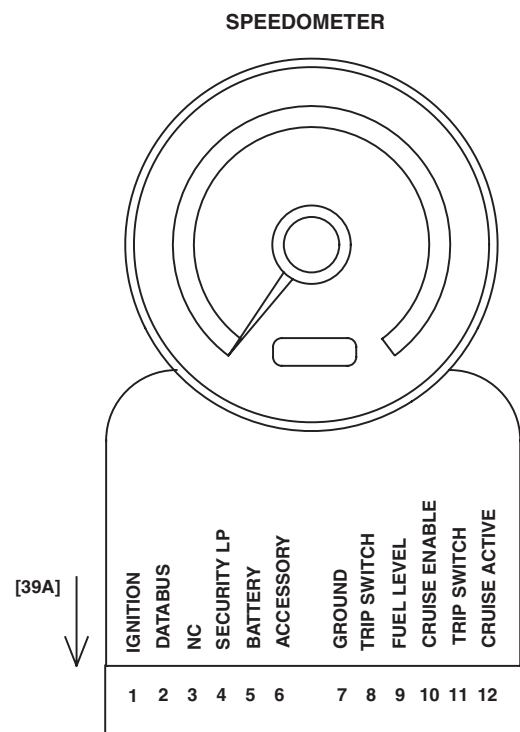
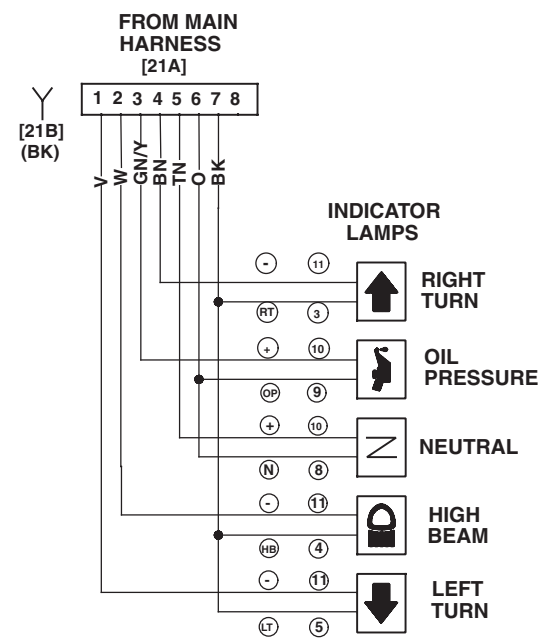
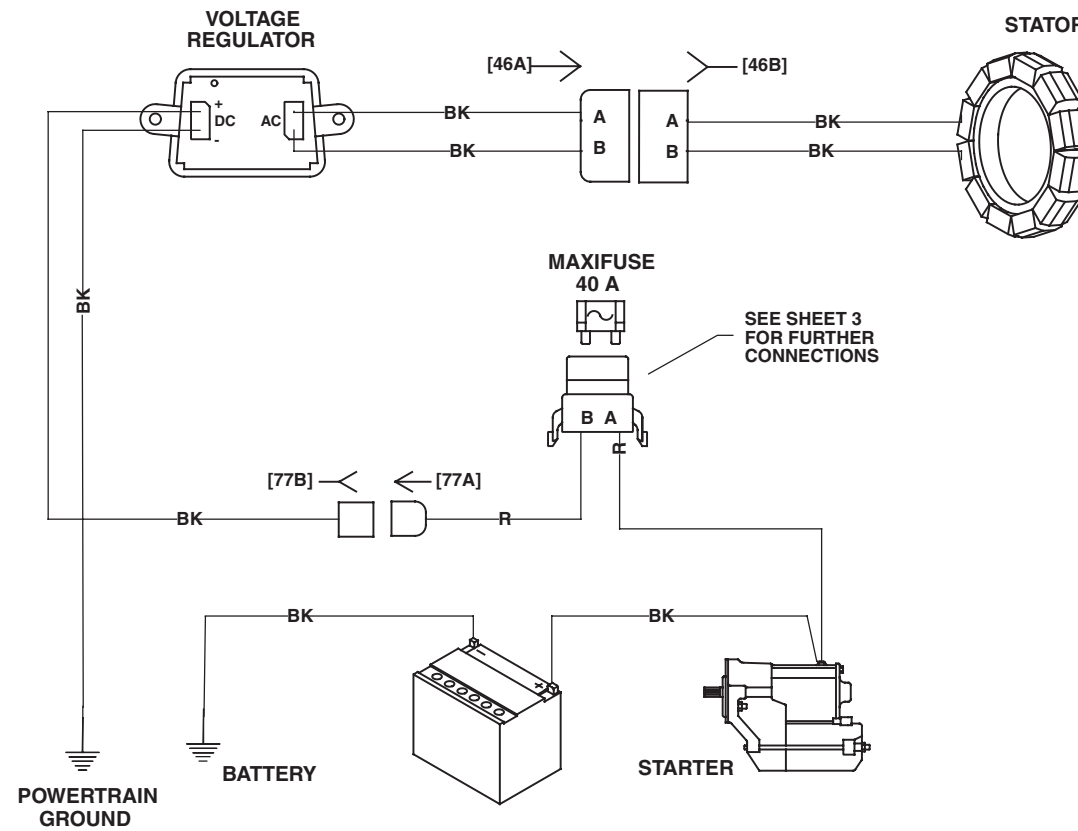
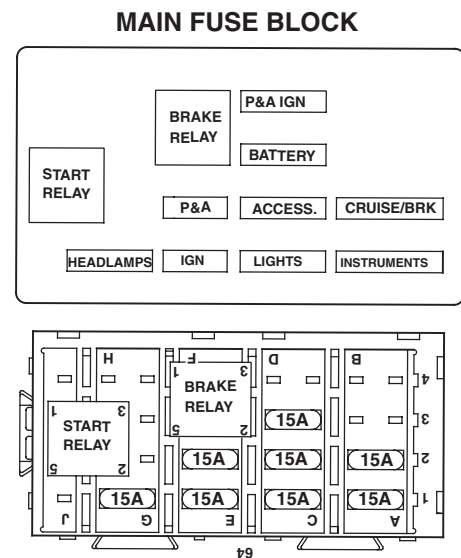




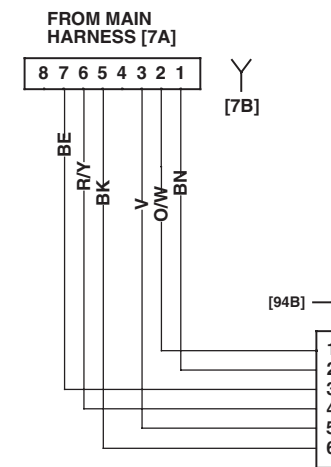


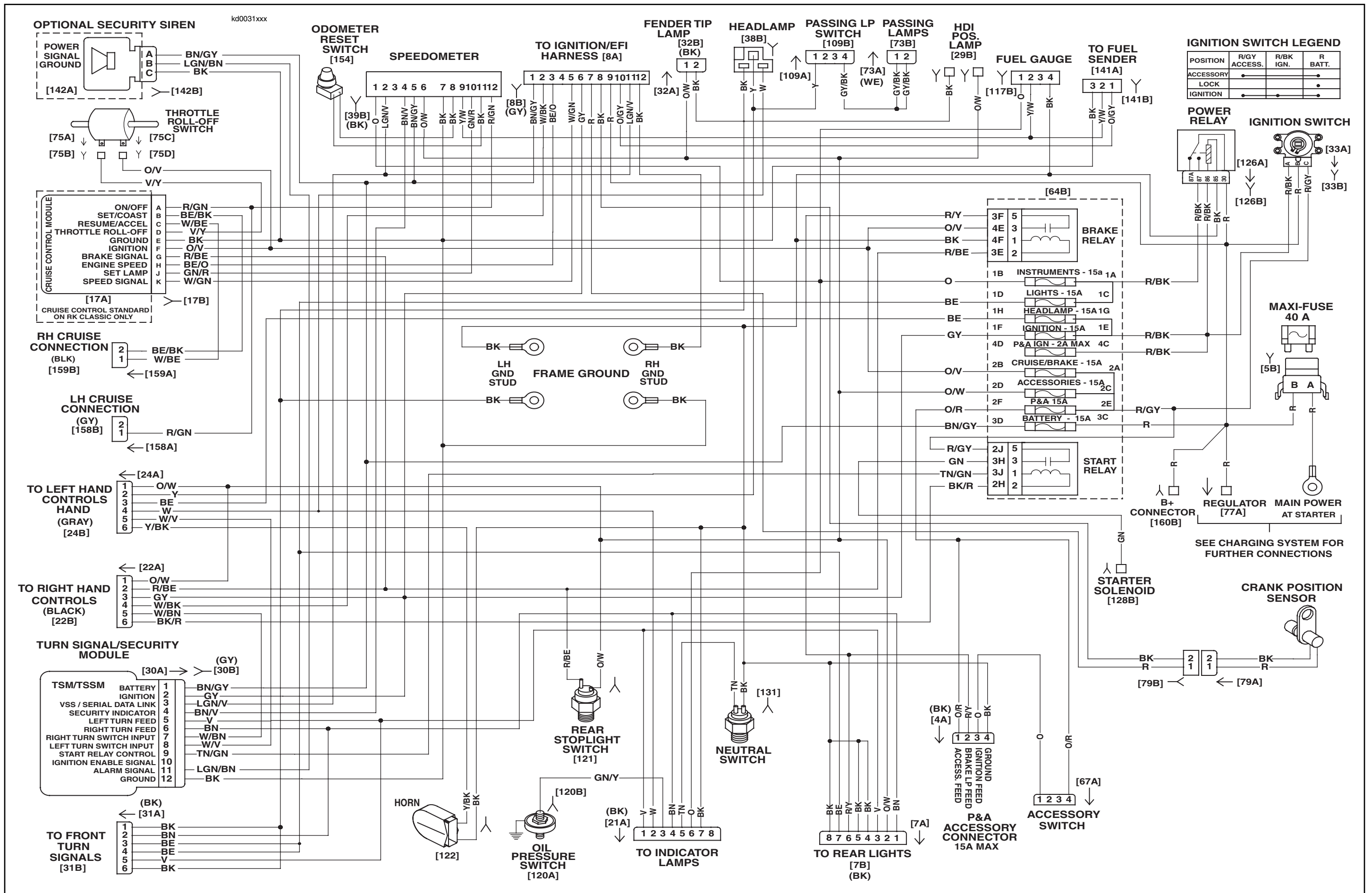
2005 ALL FLHTPI MODELS, ANTI-LOCK BRAKE SYSTEM



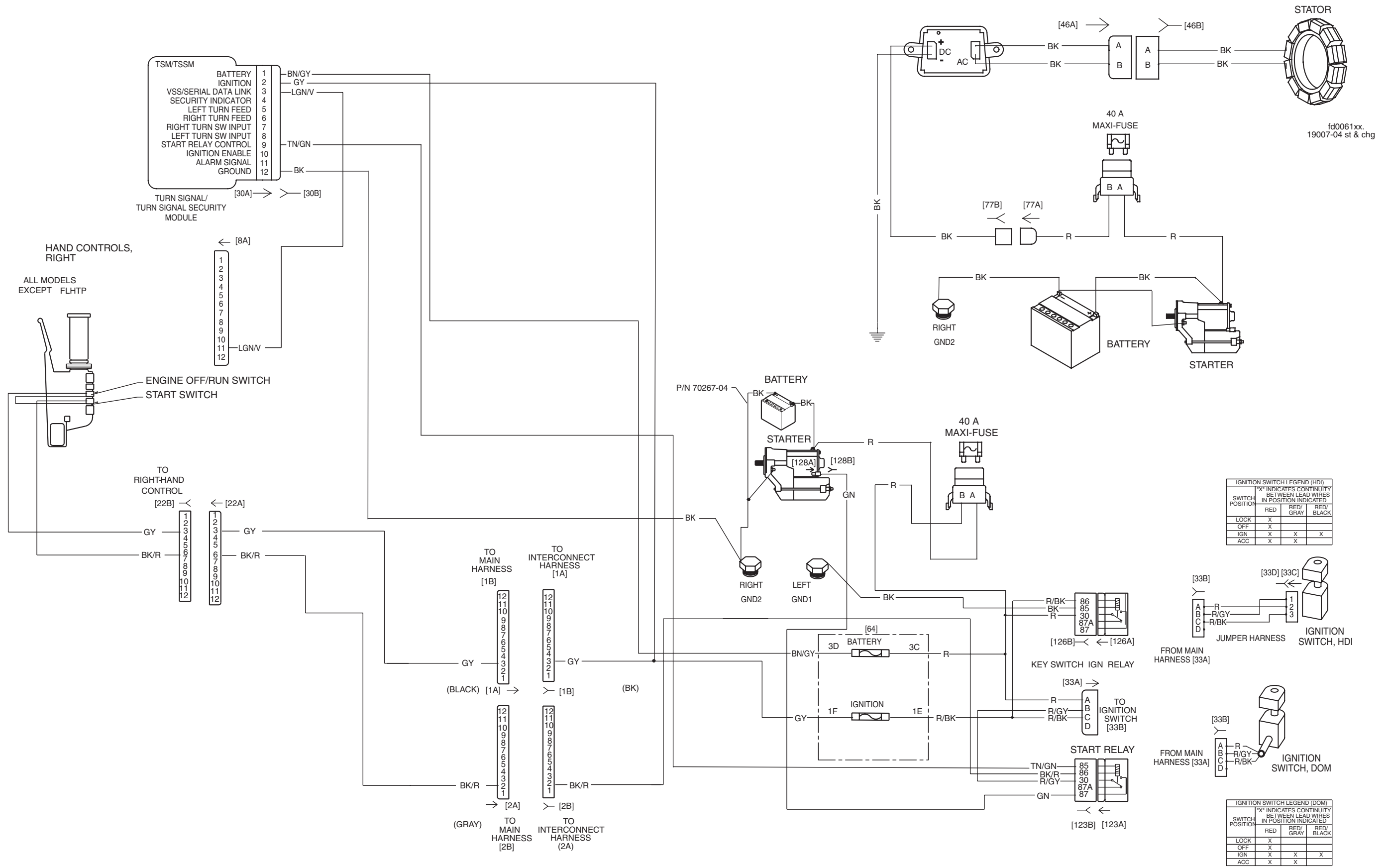


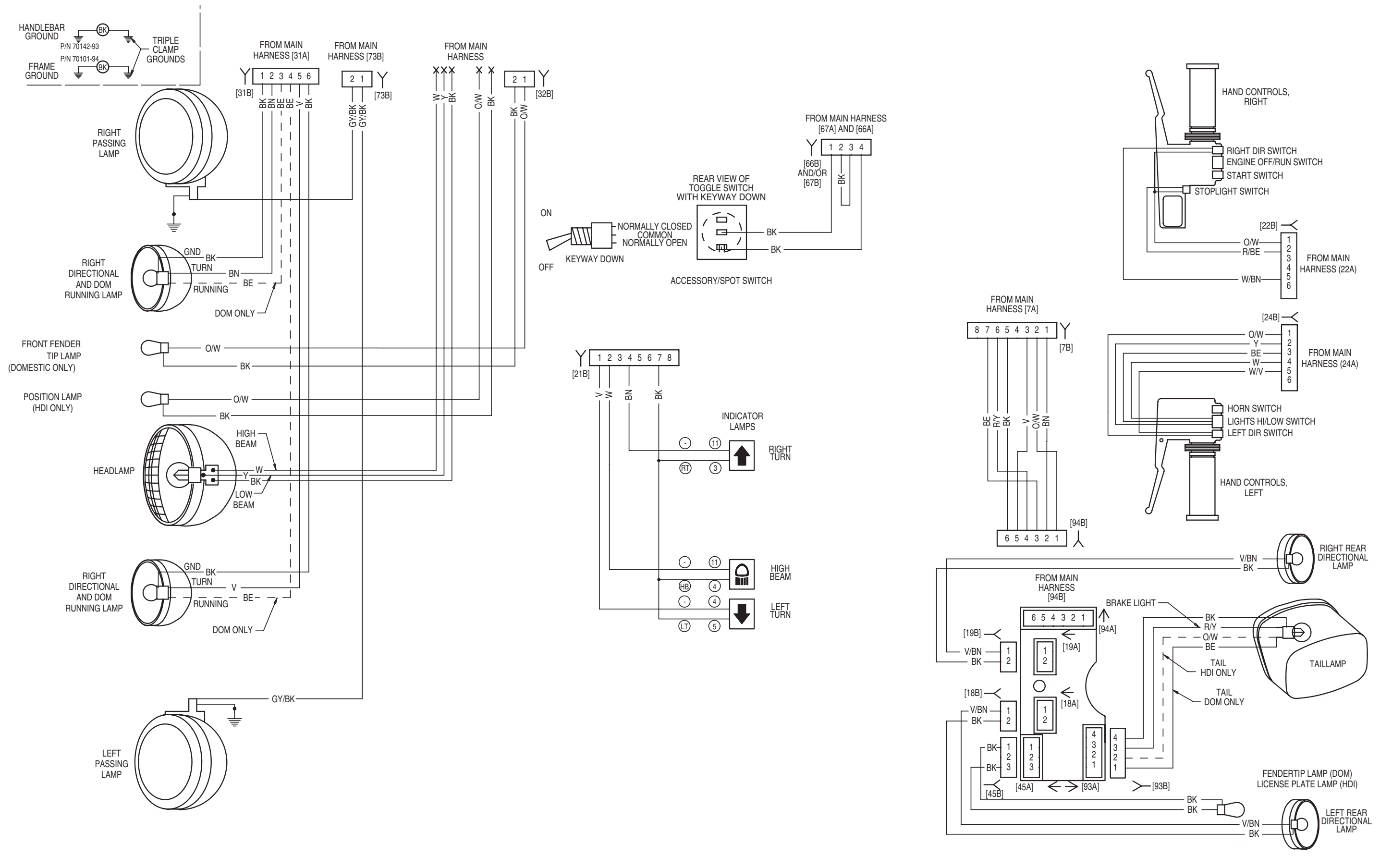
REAR LIGHTING HARNESS

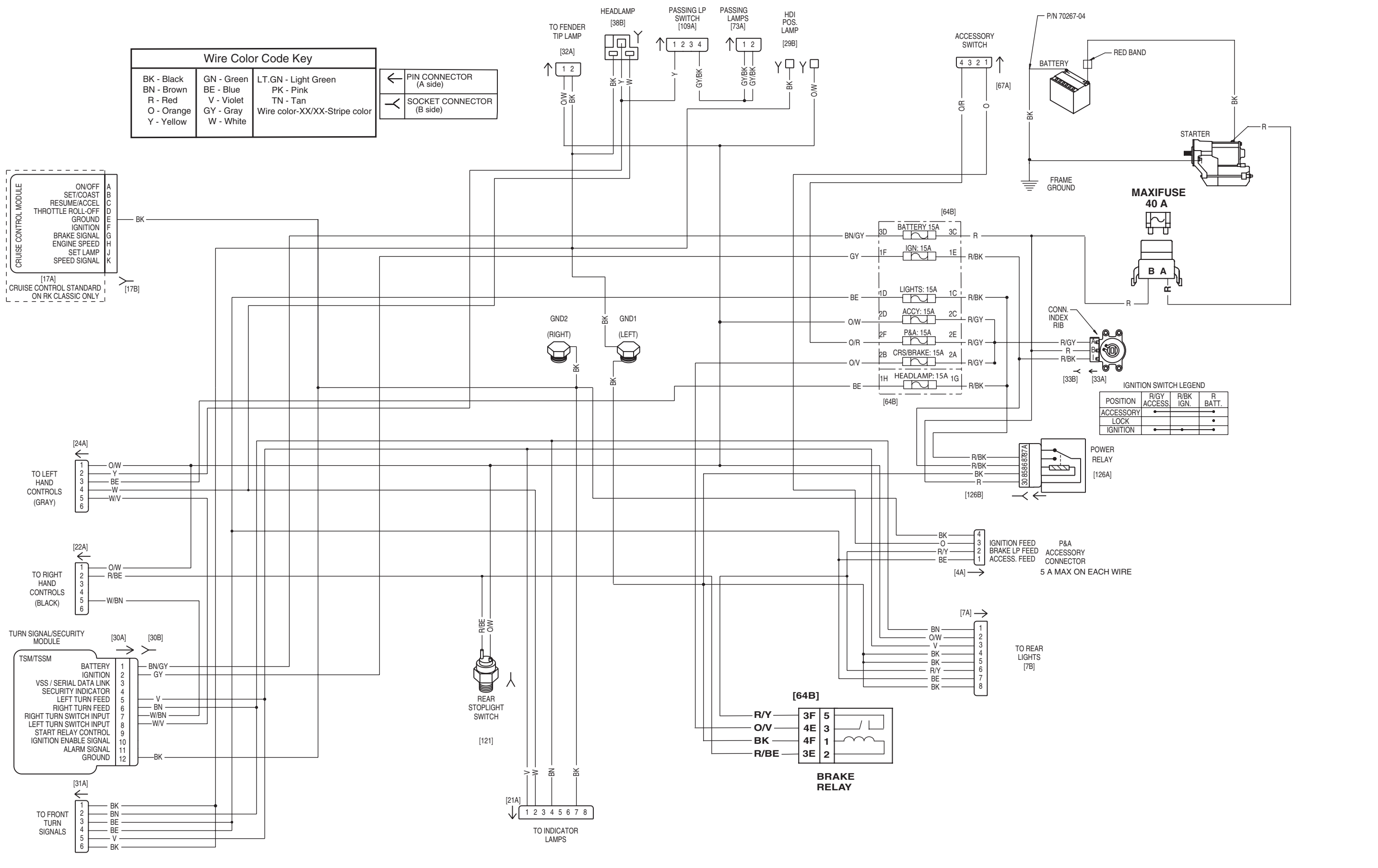


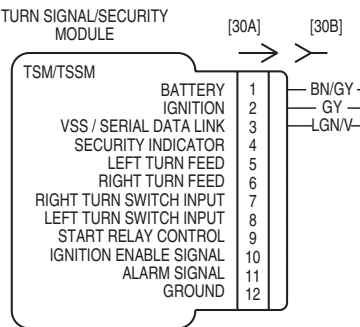
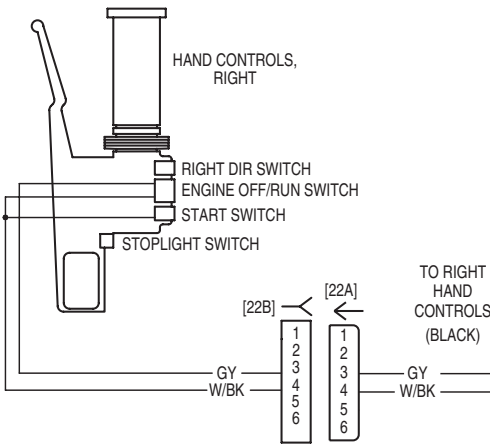
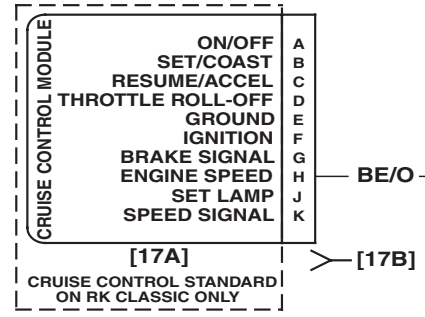
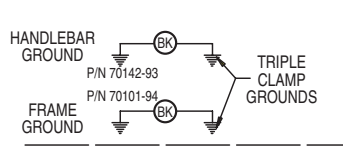
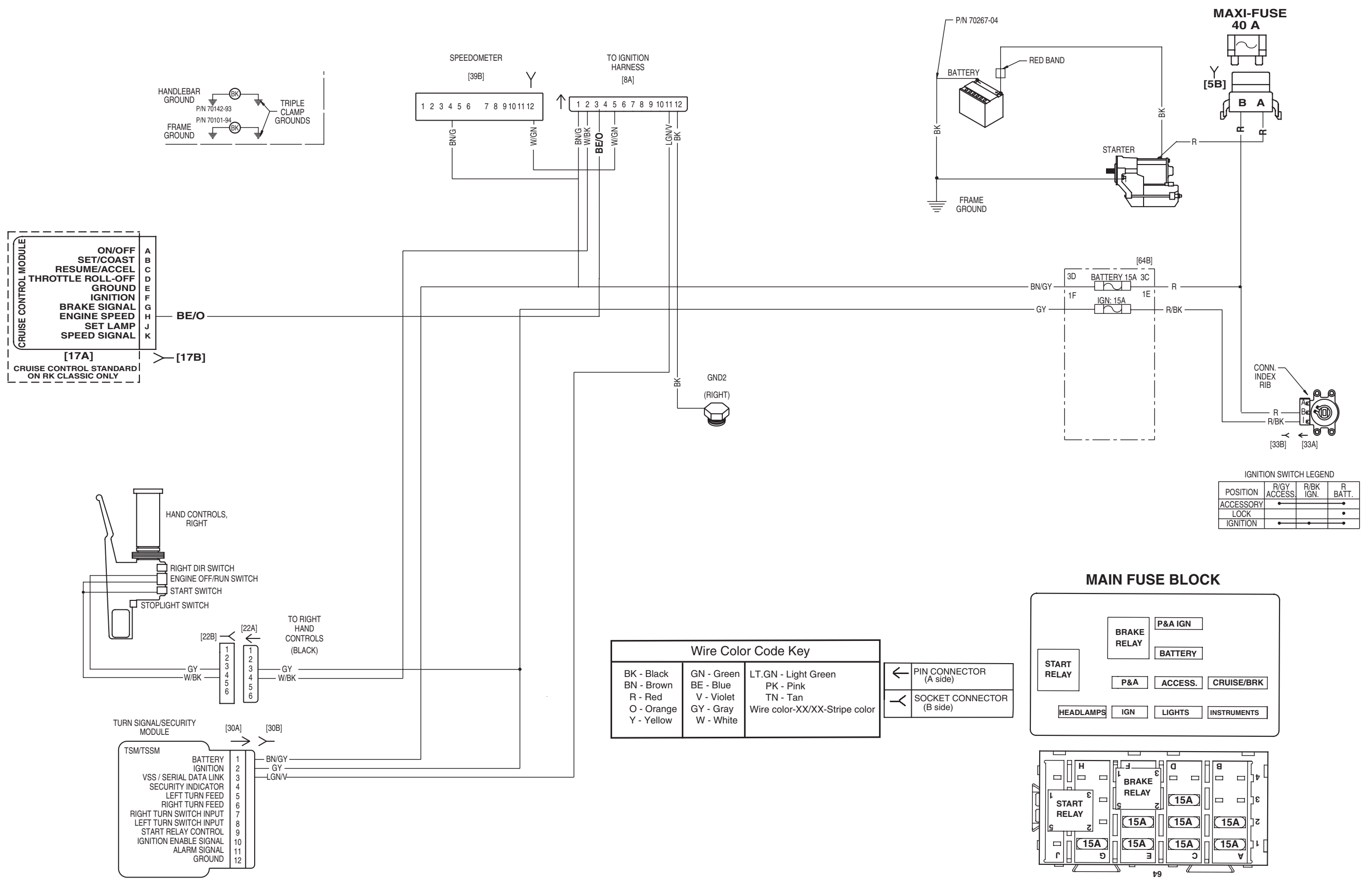


2005 ALL FLHR/I/CI DOMESTIC AND INTERNATIONAL MODELS, MAIN HARNESS: SHEET 3 OF 4









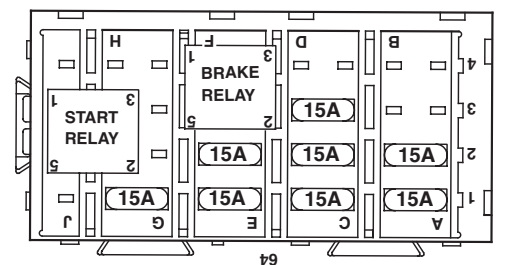
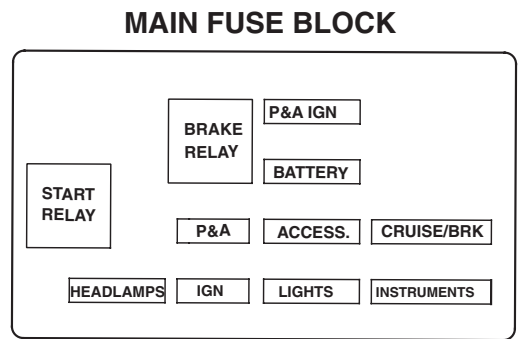
Wire Color Code Key

BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

← PIN CONNECTOR (A side)
 ↗ SOCKET CONNECTOR (B side)

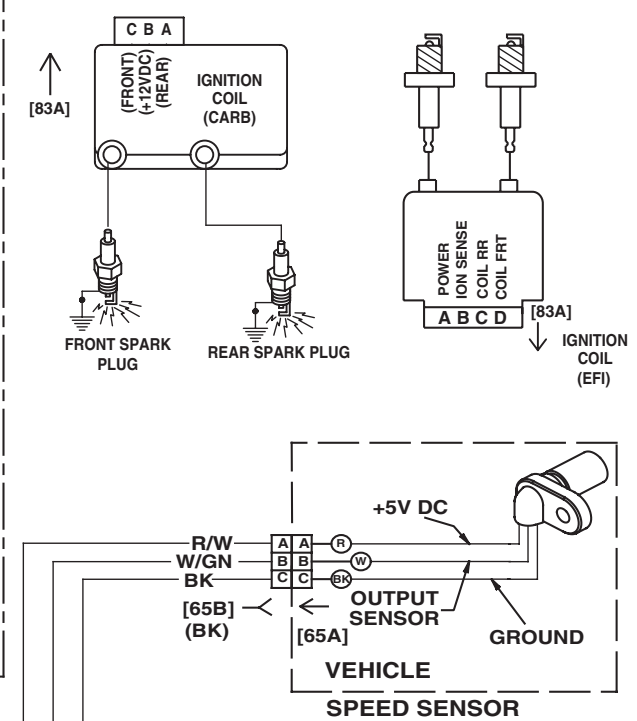
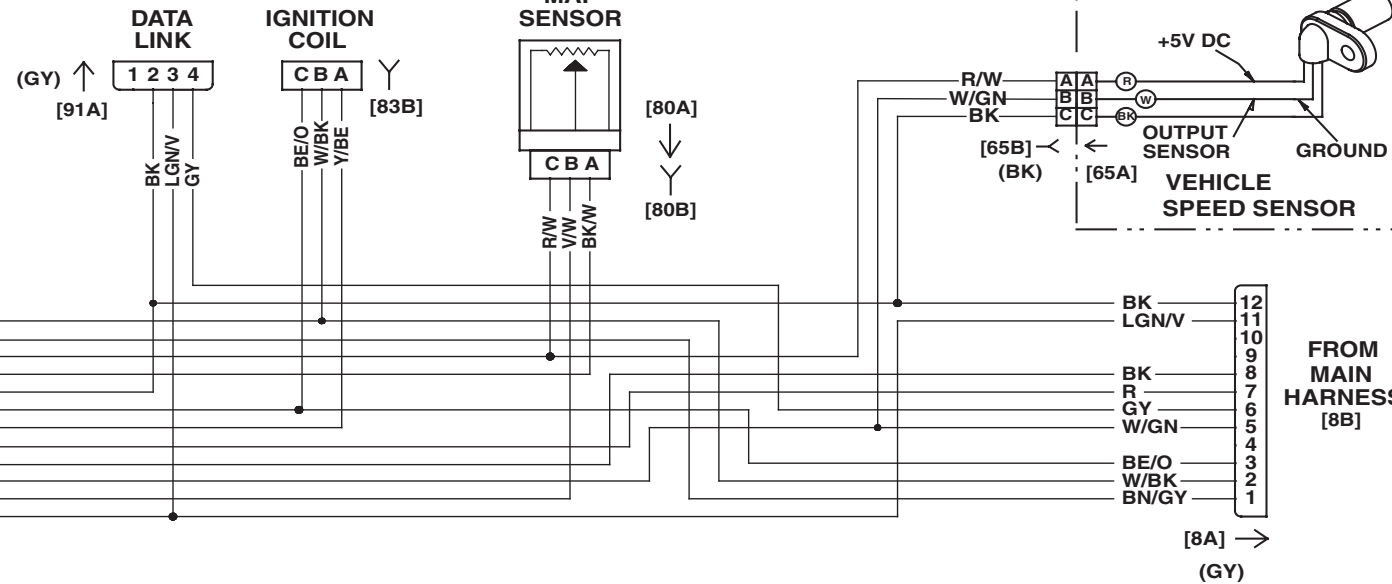
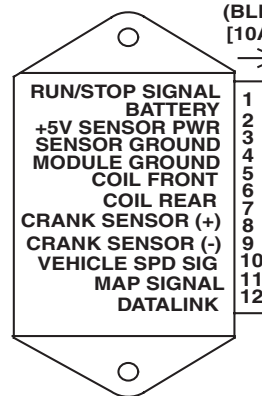
IGNITION SWITCH LEGEND

POSITION	R/GY ACCESS	R/BK IGN.	R BATT.
ACCESSORY	•	•	•
LOCK	•	•	•
IGNITION	•	•	•



CARBURETED VEHICLES

IGNITION CONTROL MODULE

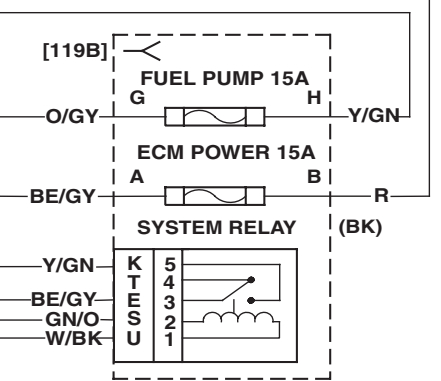
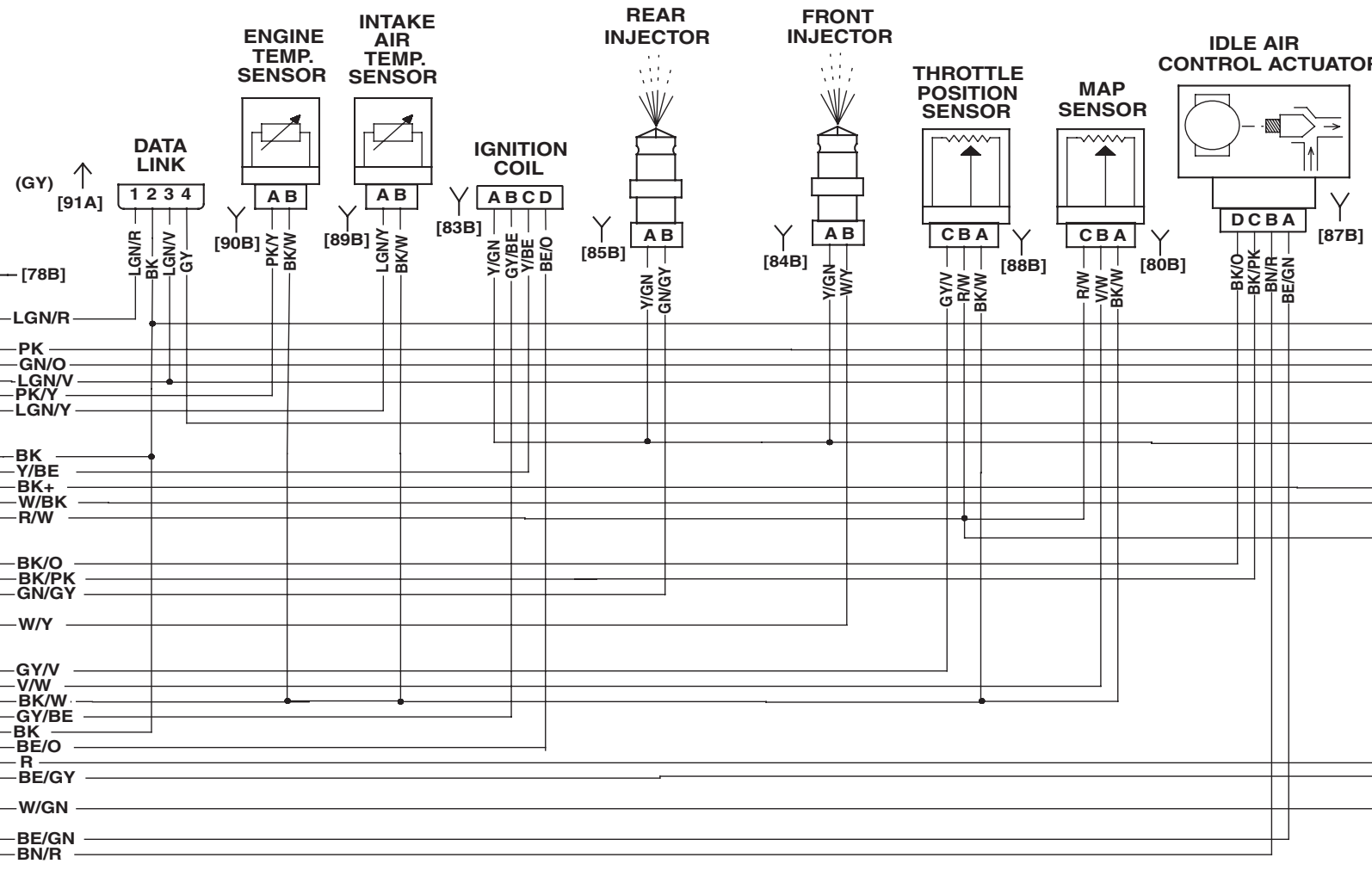
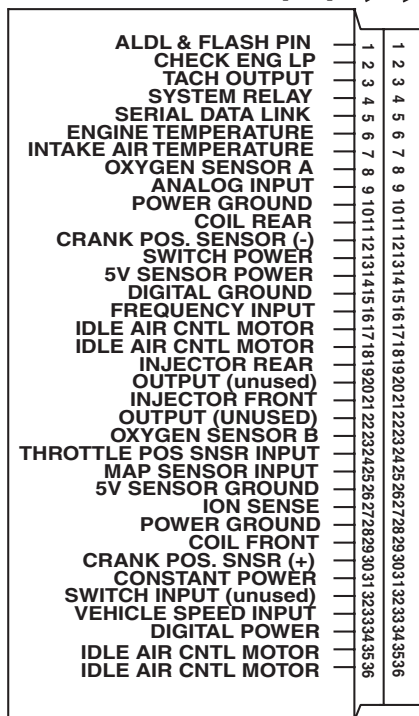


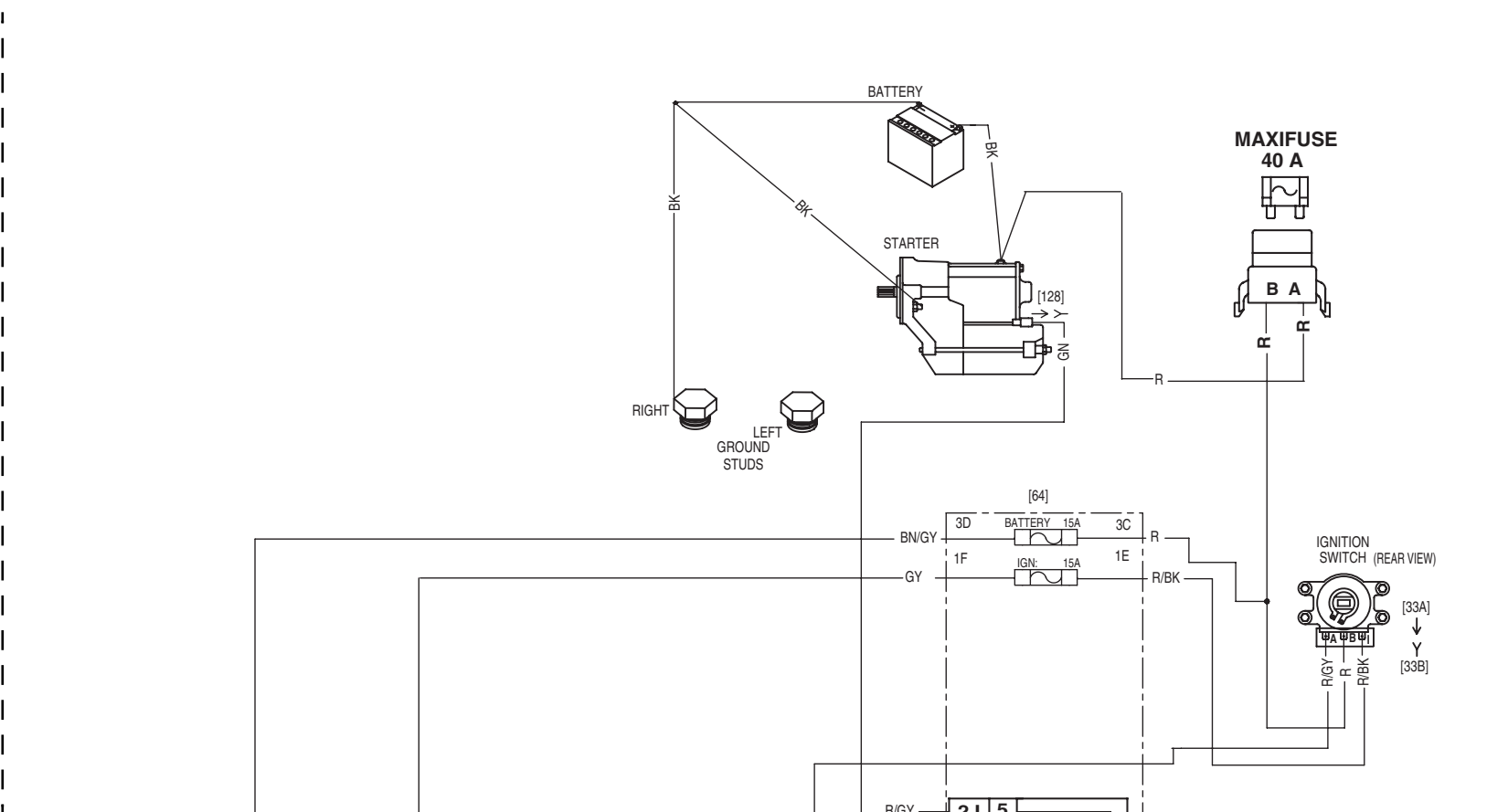
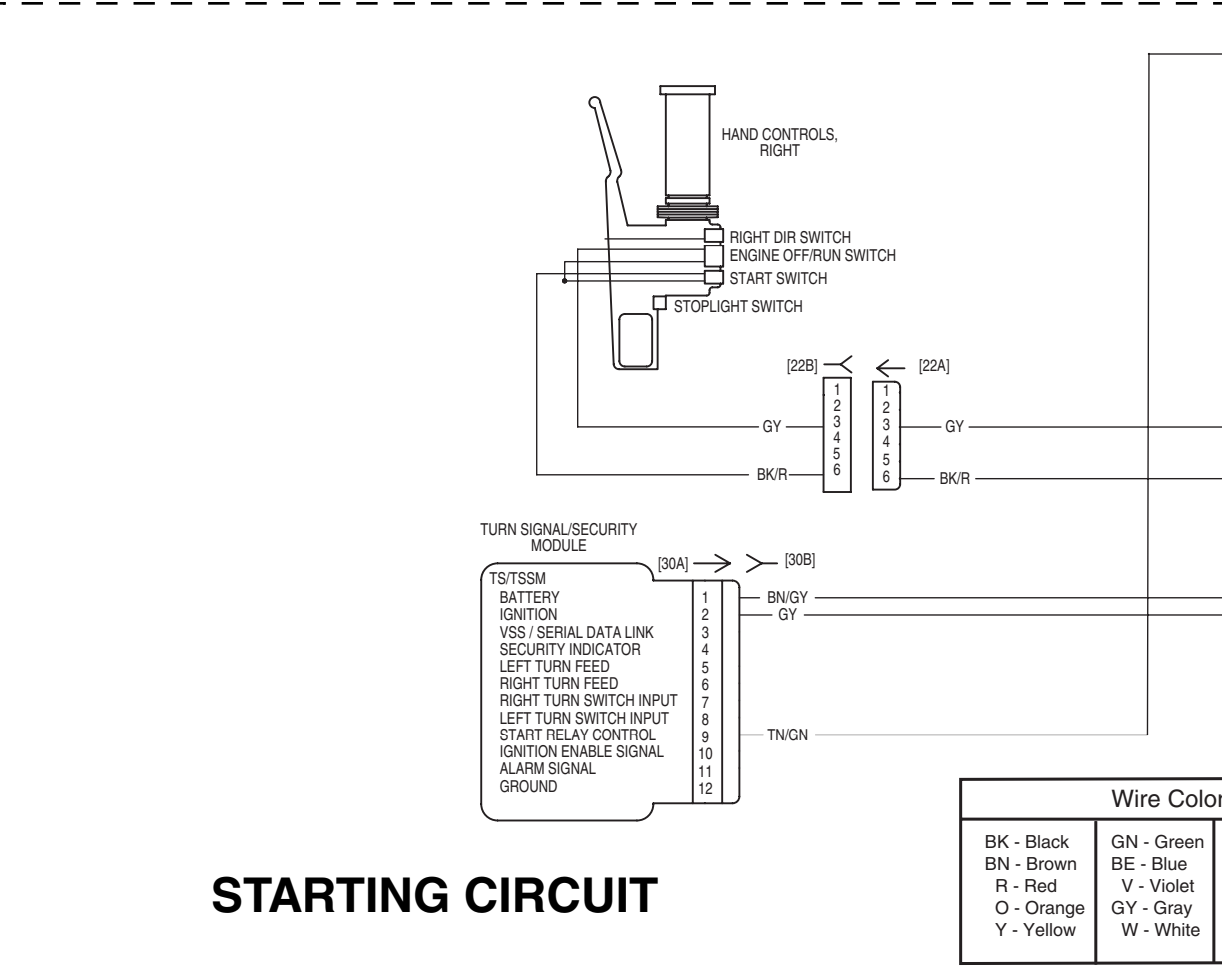
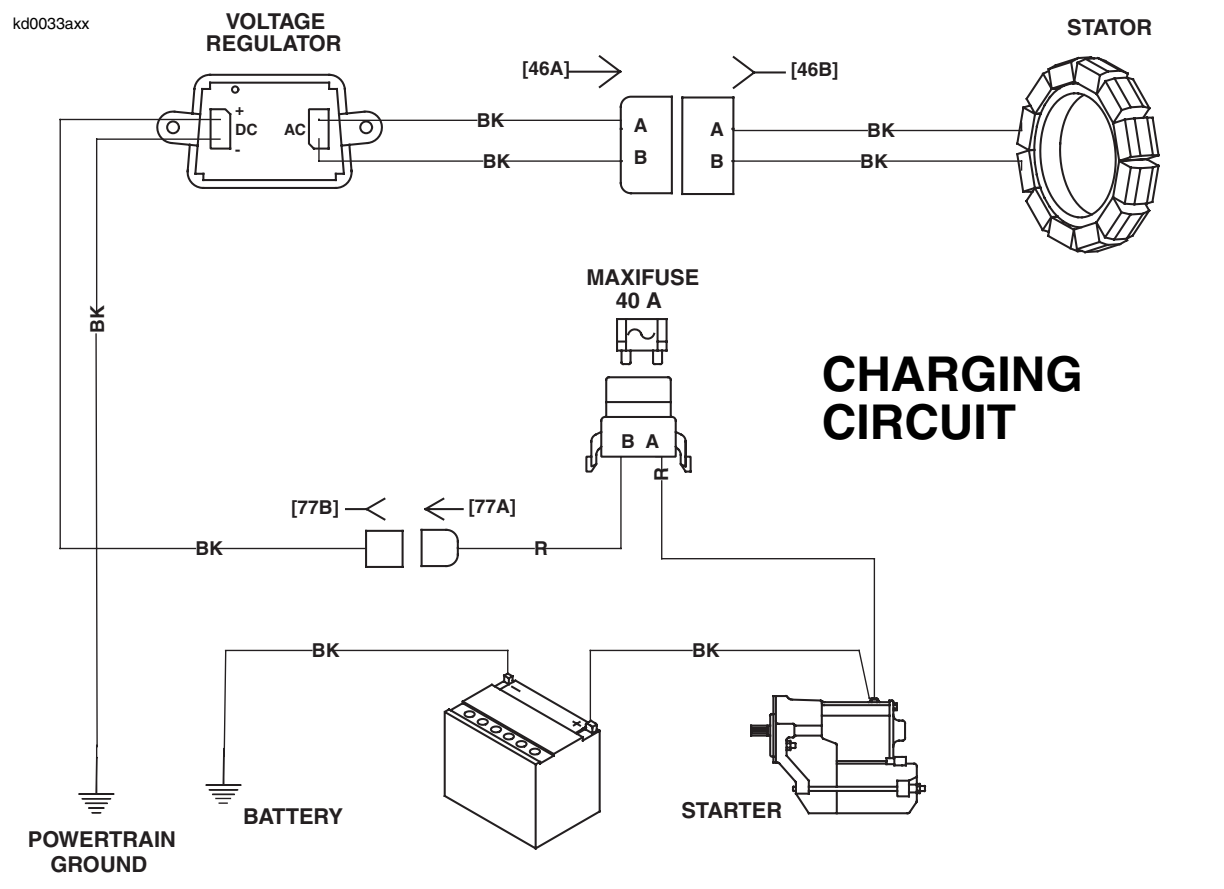
CARBURETED OVERLAY: 32435-04

EFI OVERLAY: 70233-04

FUEL INJECTED VEHICLES

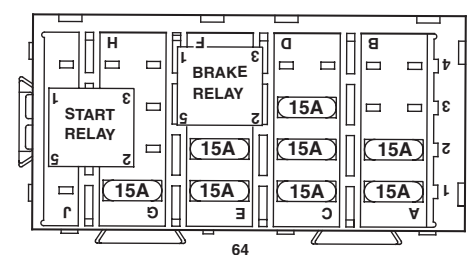
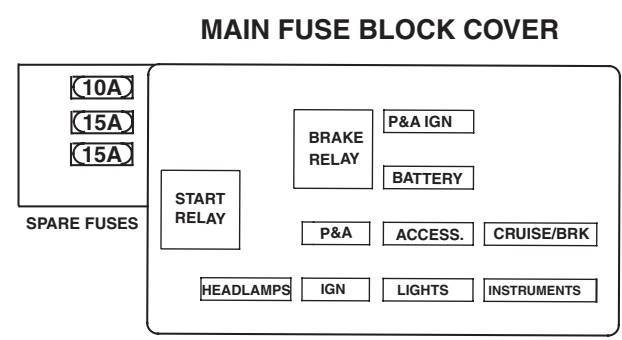
ELECTRONIC CONTROL MODULE





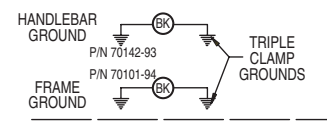
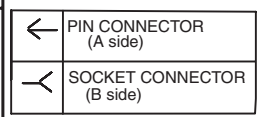
IGNITION SWITCH LEGEND

POSITION	A RED/ GREY	I RED/ BLACK	B RED
ACCESSORY	•	•	•
OFF	•	•	•
IGNITION	•	•	•

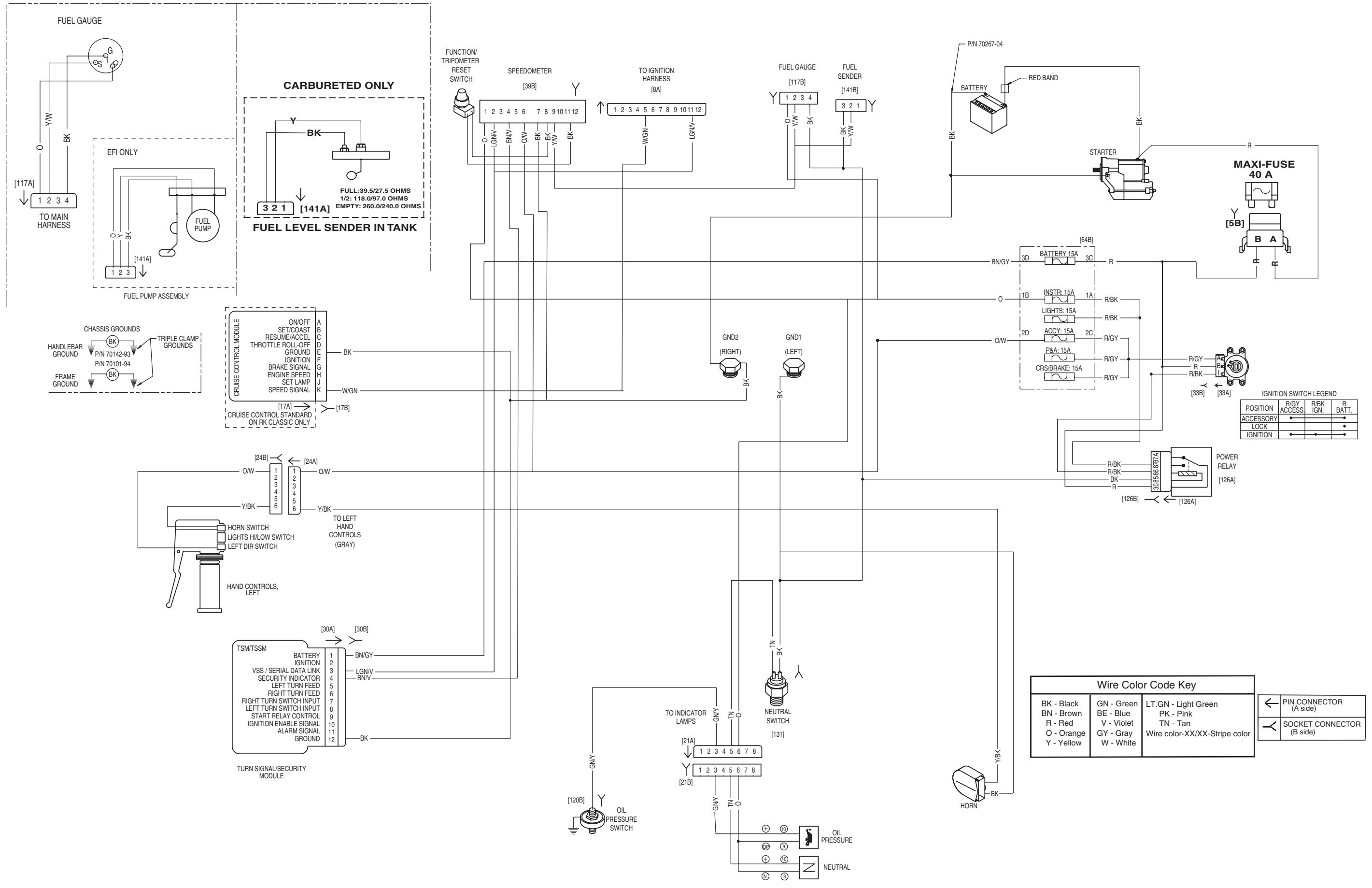


Wire Color Code Key

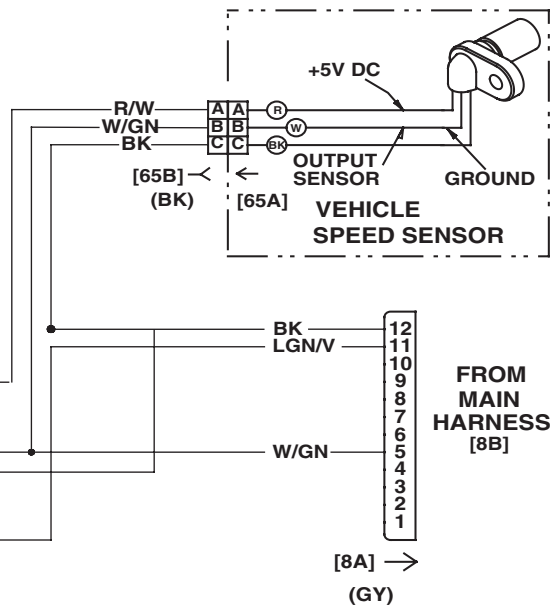
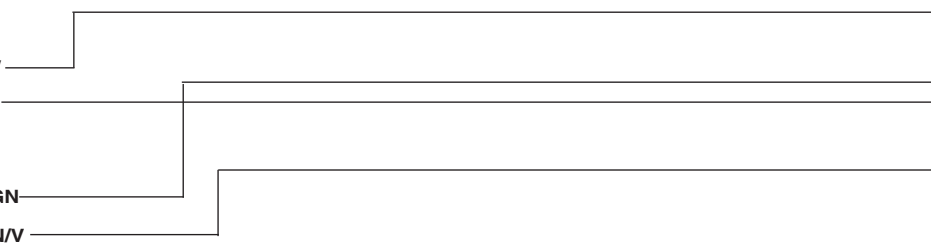
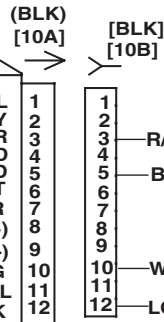
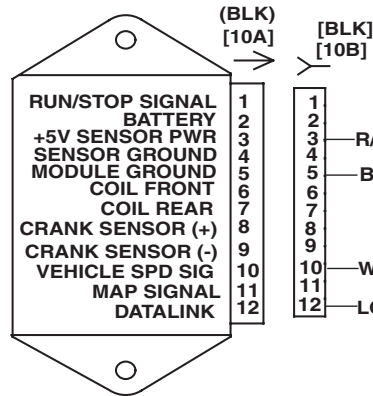
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	W - White
Y - Yellow		Wire color-XX/XX-Stripe color



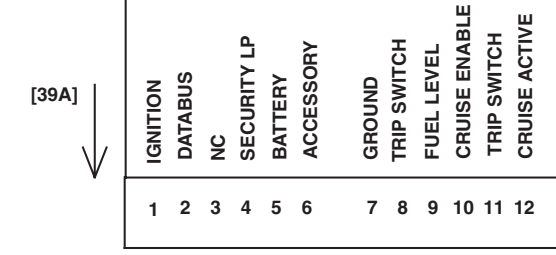
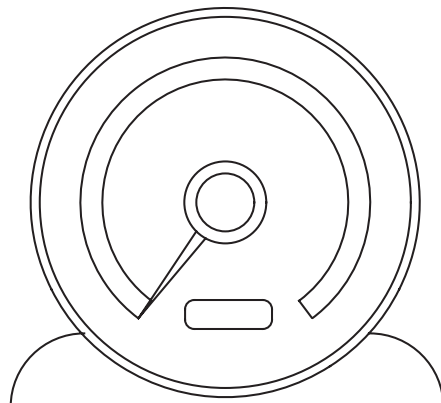
2005 ALL FLHR/I/CI DOMESTIC AND INTERNATIONAL MODELS, STARTING AND CHARGING CIRCUITS



IGNITION CONTROL MODULE

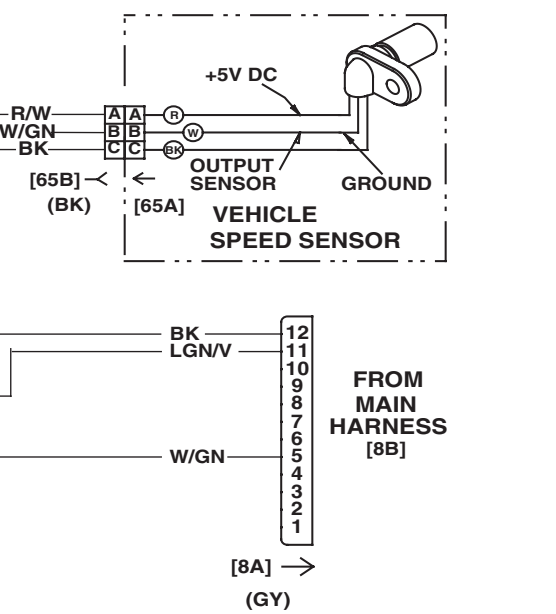
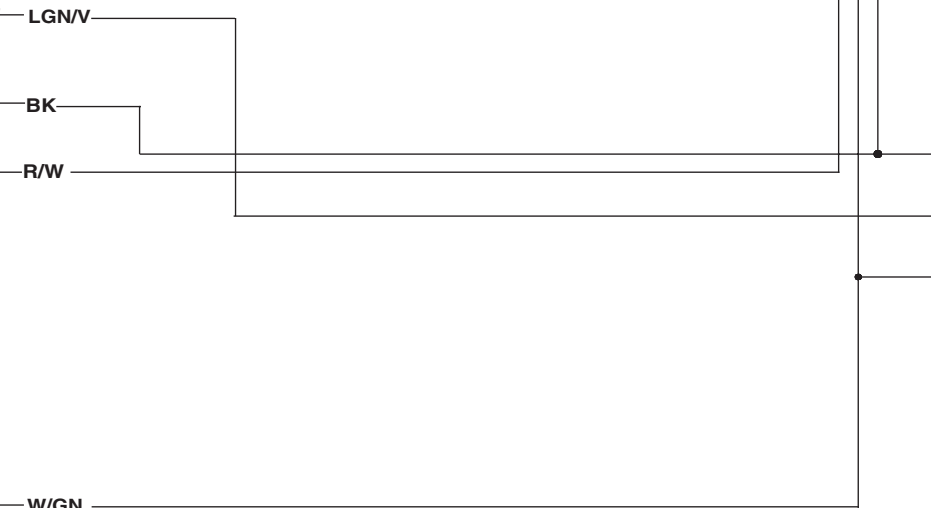
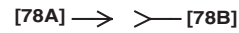
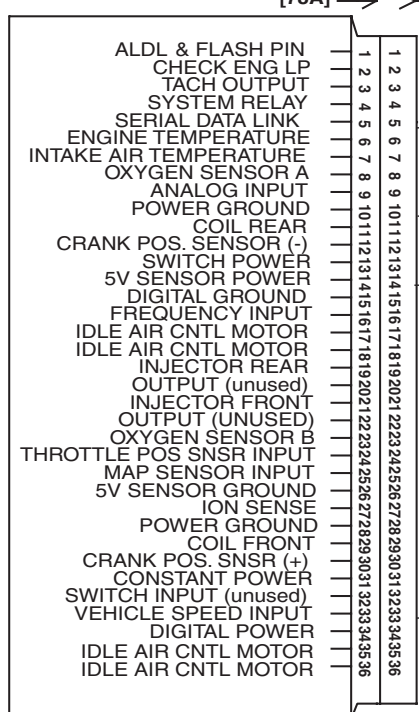


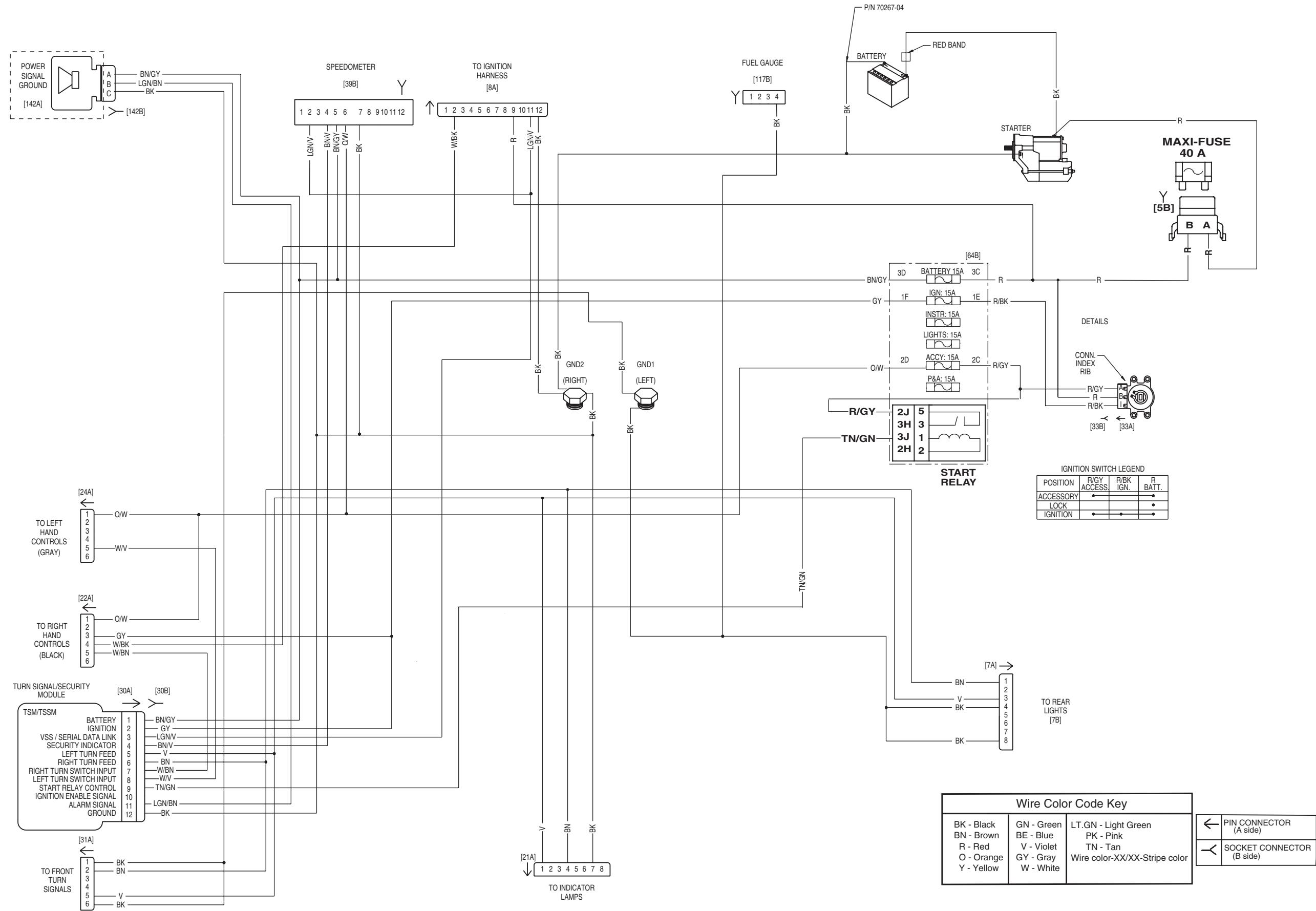
SPEEDOMETER



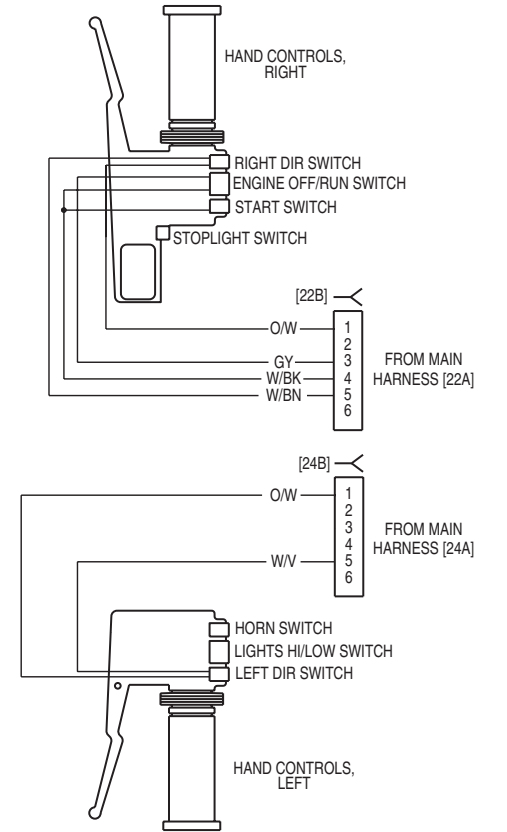
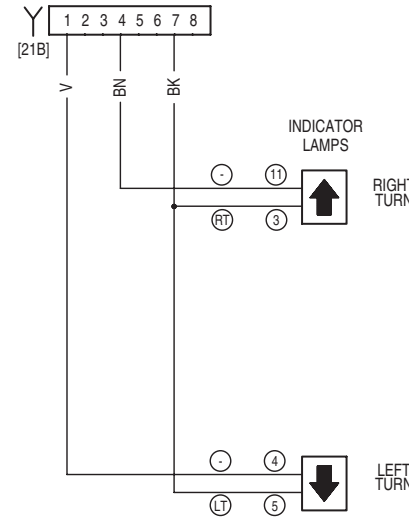
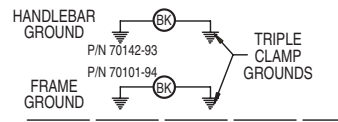
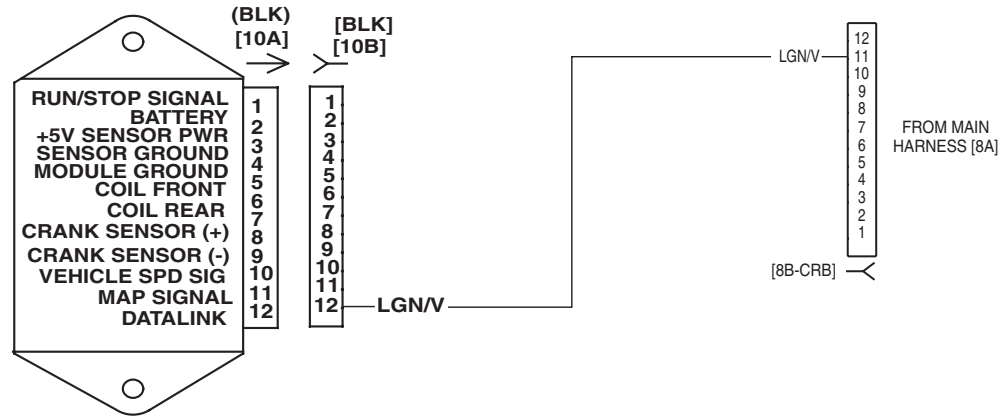
FROM MAIN HARNESS [39B]

ELECTRONIC CONTROL MODULE



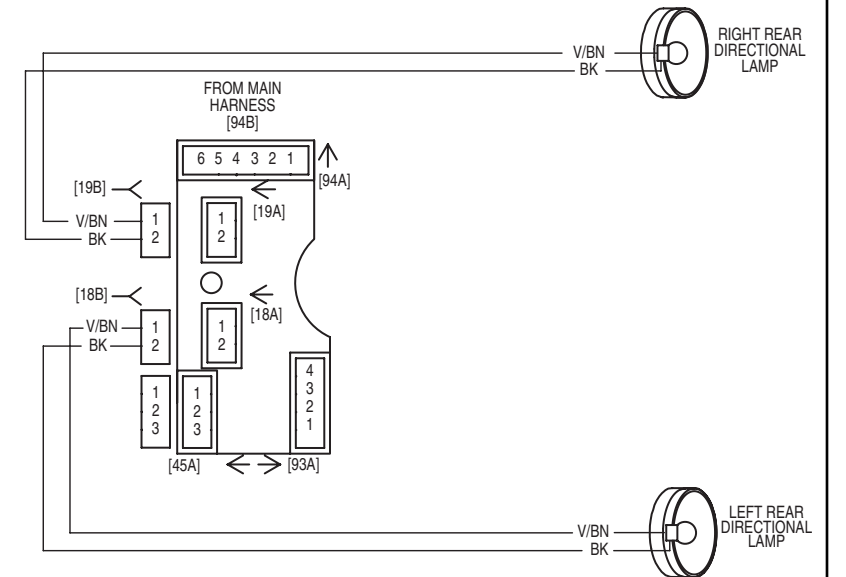
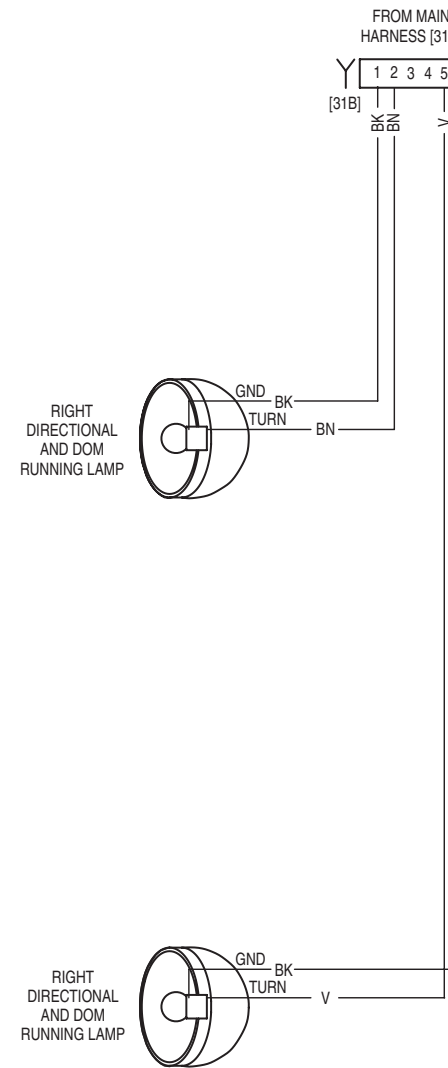
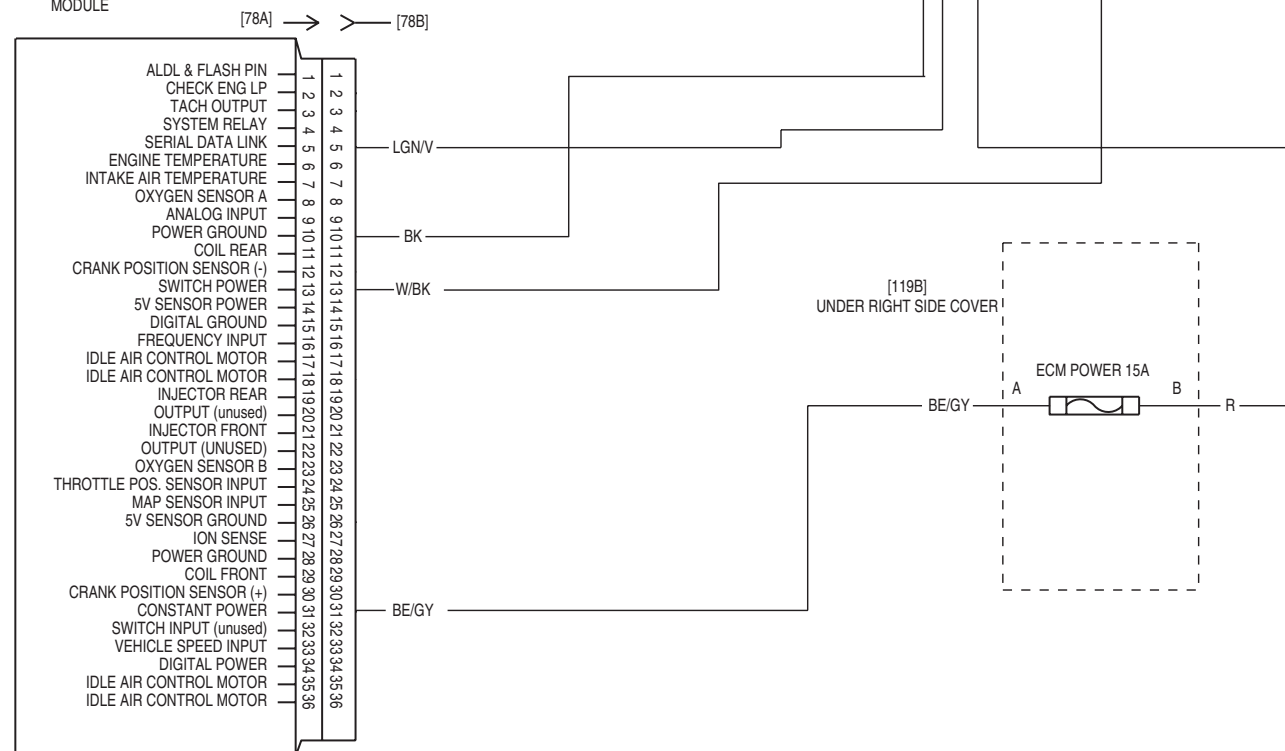


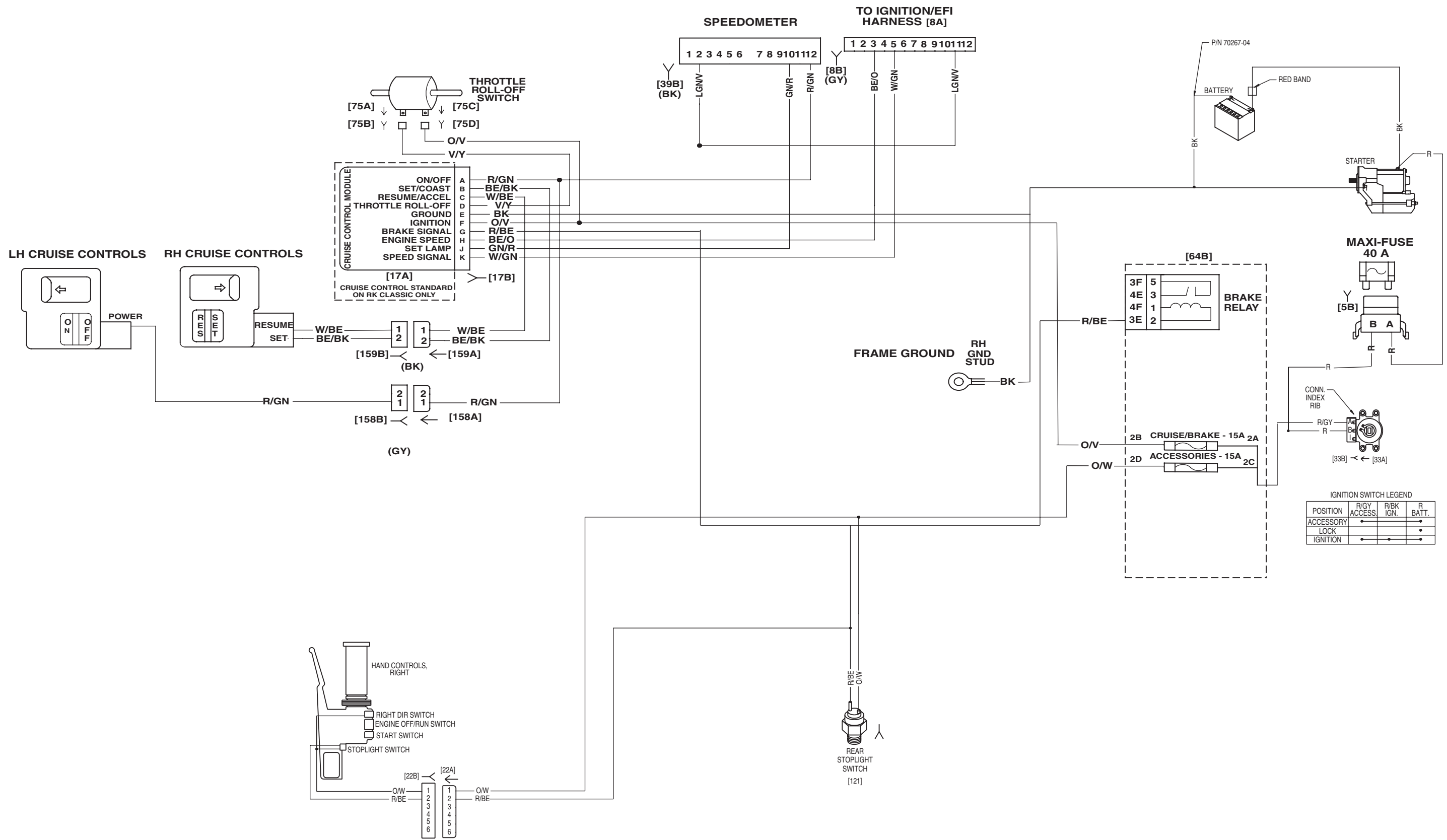
CARBURETED VEHICLES
IGNITION CONTROL MODULE



FUEL INJECTED VEHICLES

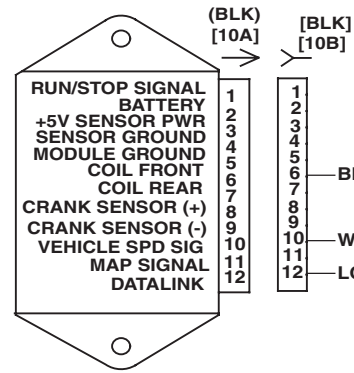
ELECTRONIC CONTROL MODULE



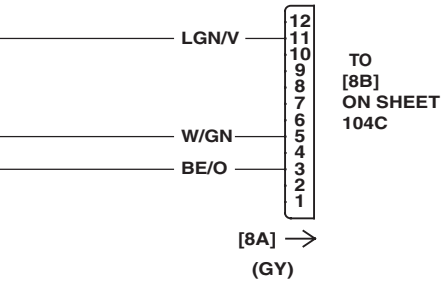
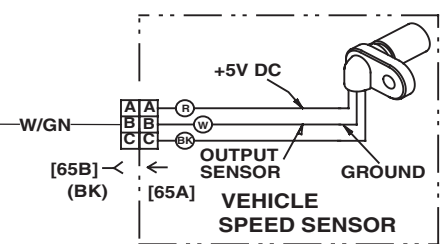


CARBURETED VEHICLES

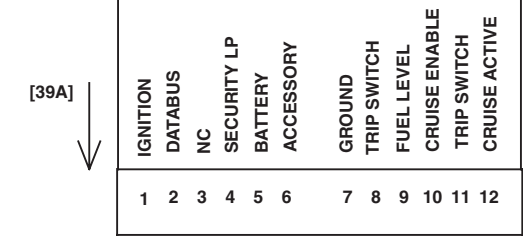
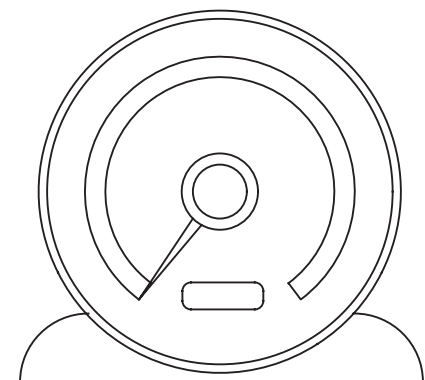
IGNITION CONTROL MODULE



CARBURETED OVERLAY: 32435-04



SPEEDOMETER

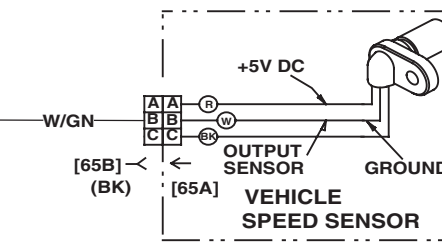
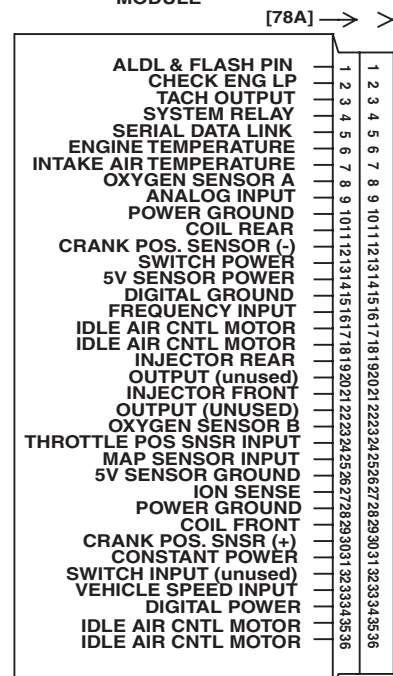


TO [39B] ON SHEET 104C

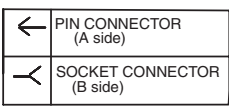
FUEL INJECTED VEHICLES

EFI OVERLAY: 70233-04

ELECTRONIC CONTROL MODULE

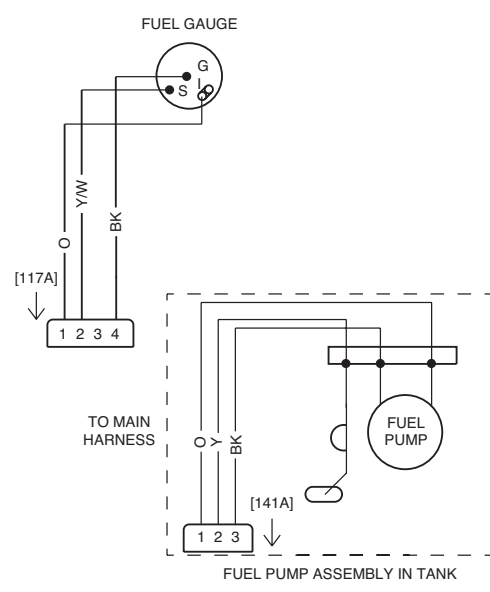
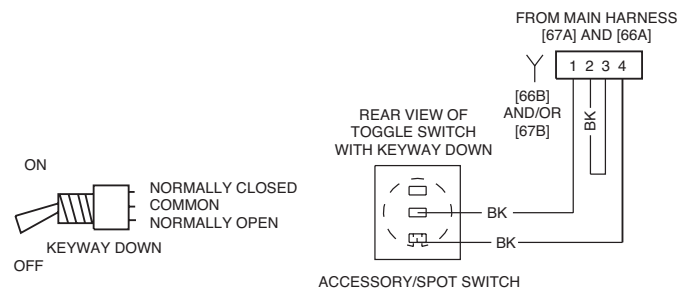
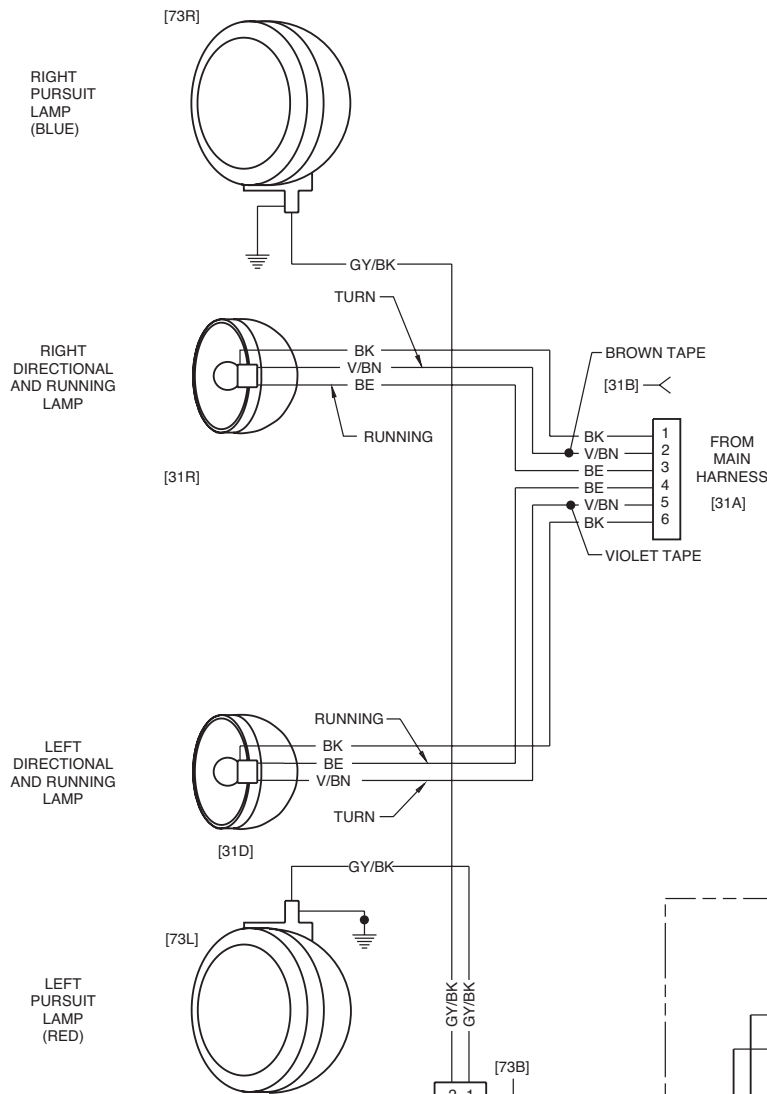
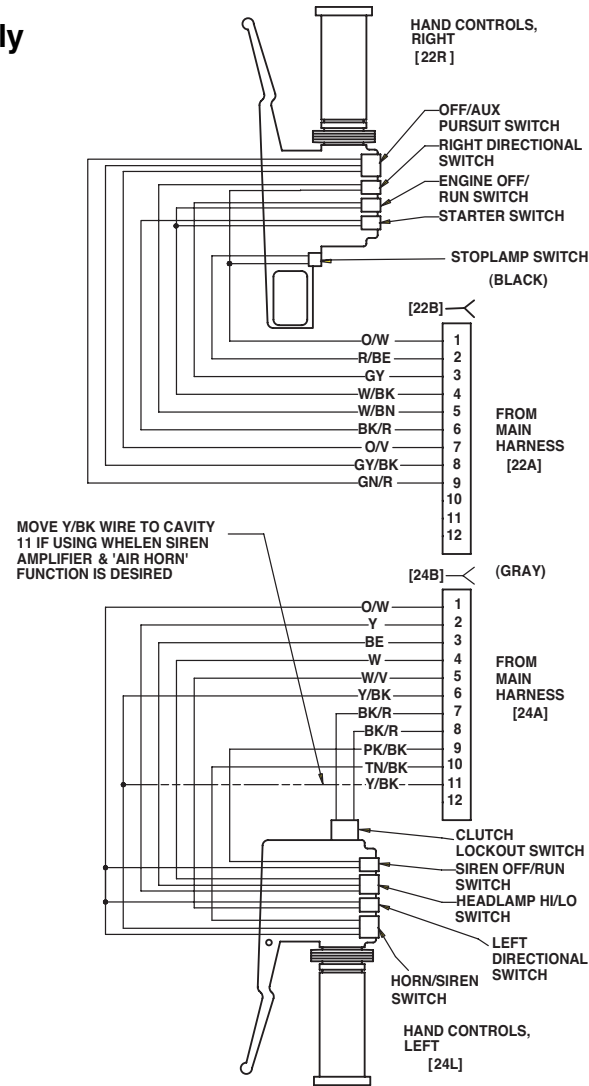
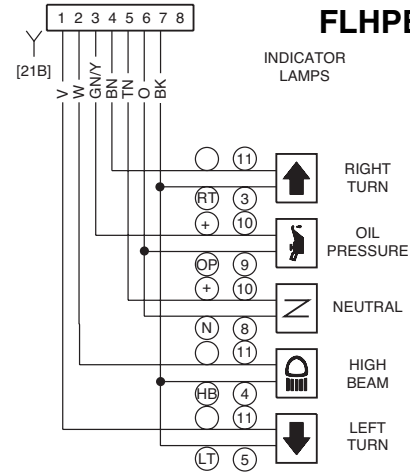
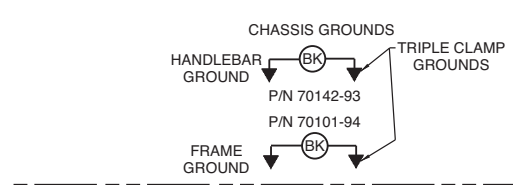


Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

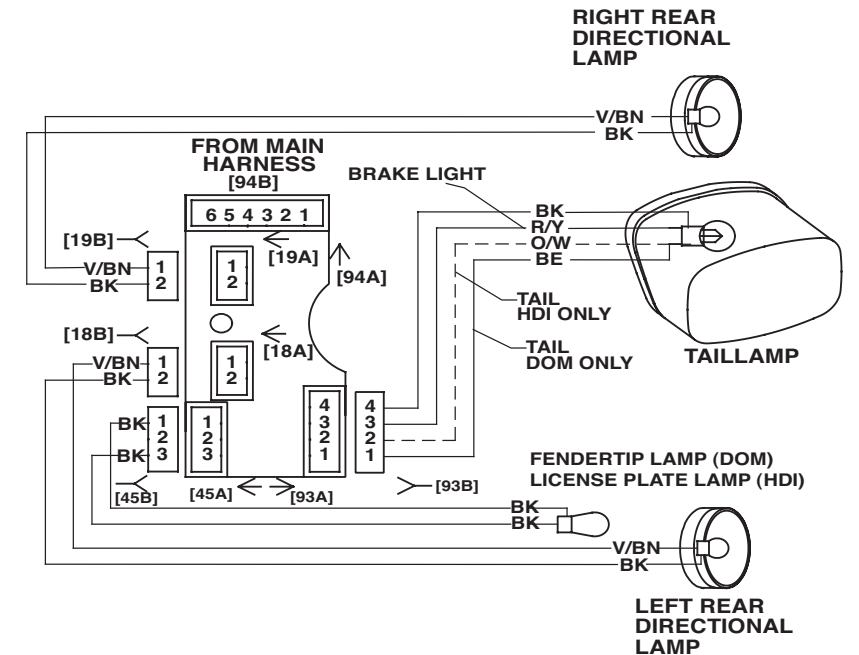
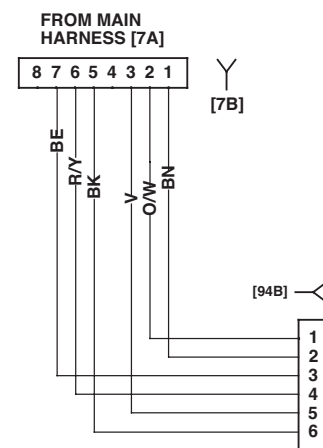


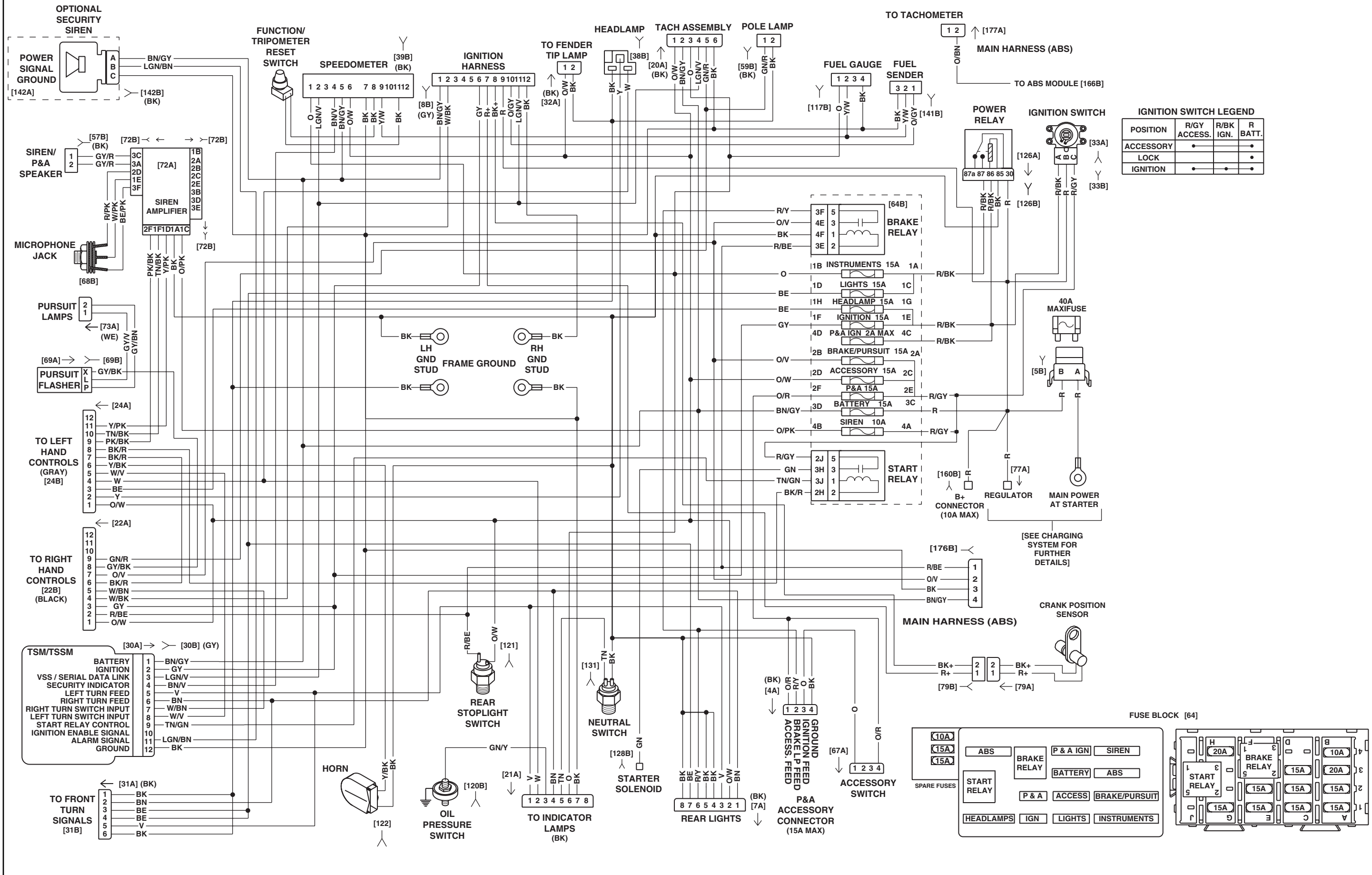
FLHPI - Domestic & Canada only

FLHPEI -California only



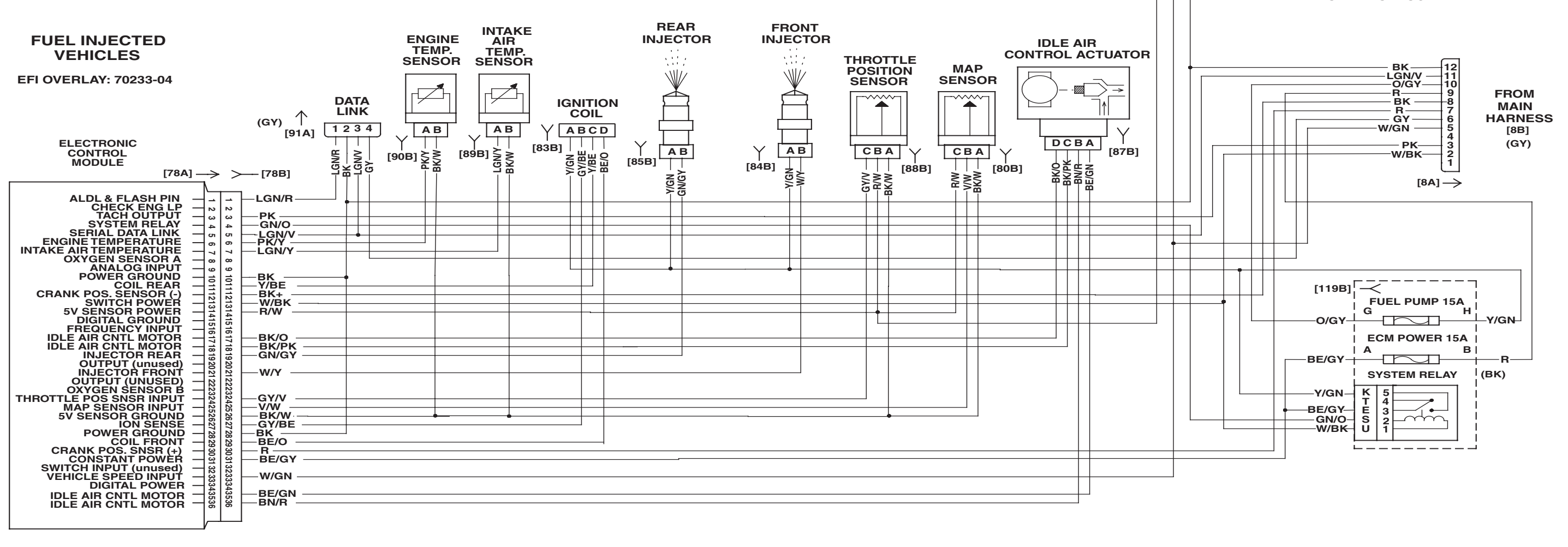
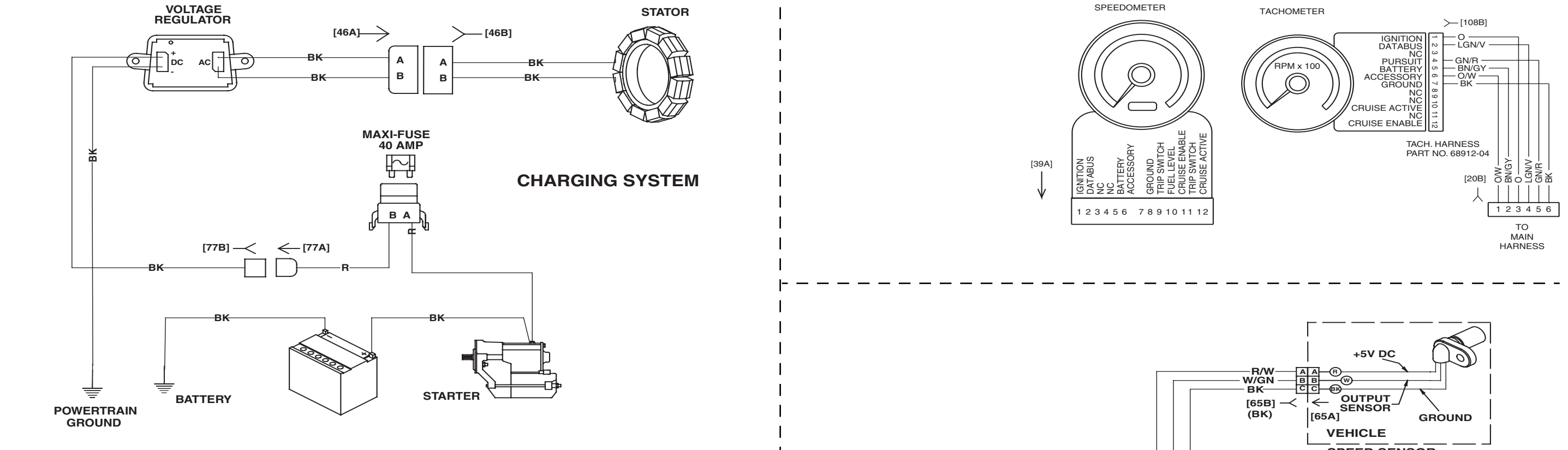
REAR LIGHTING HARNESS

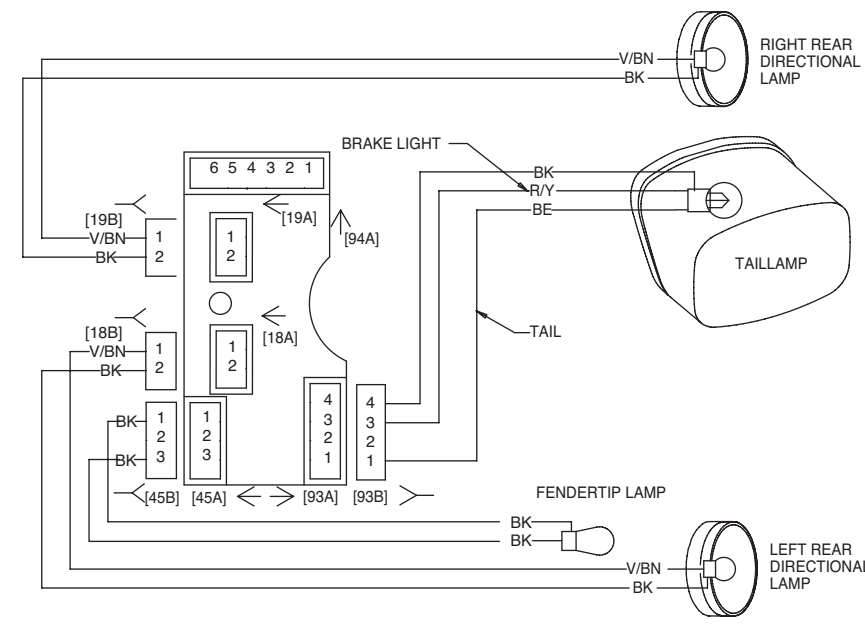
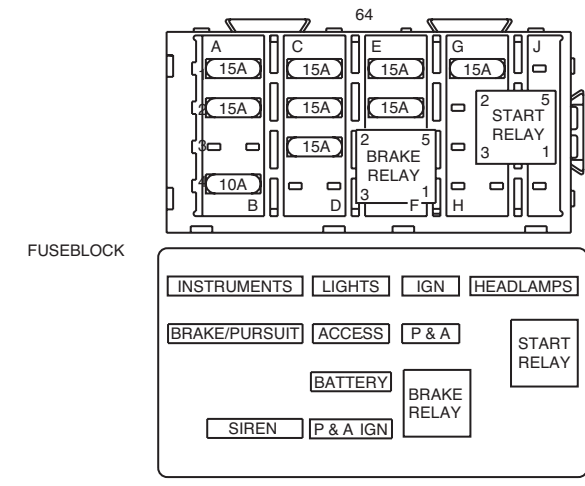
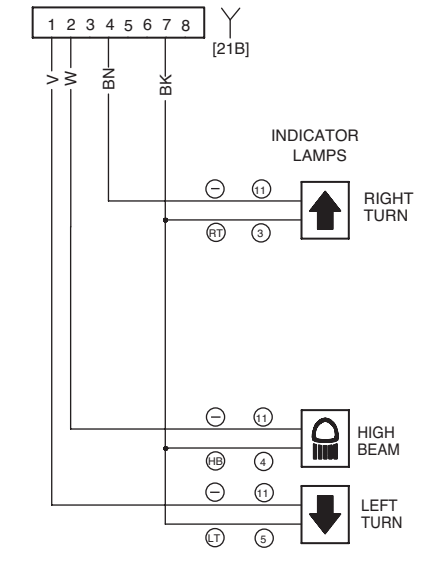
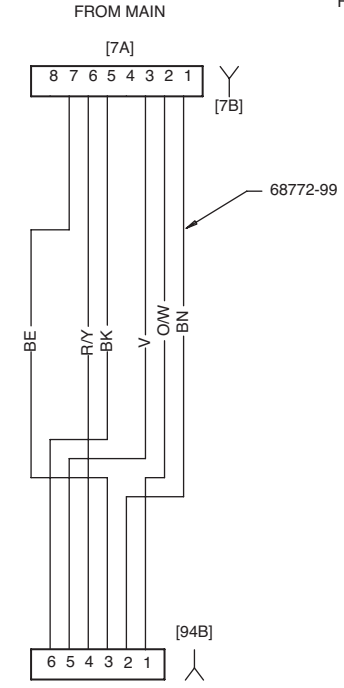
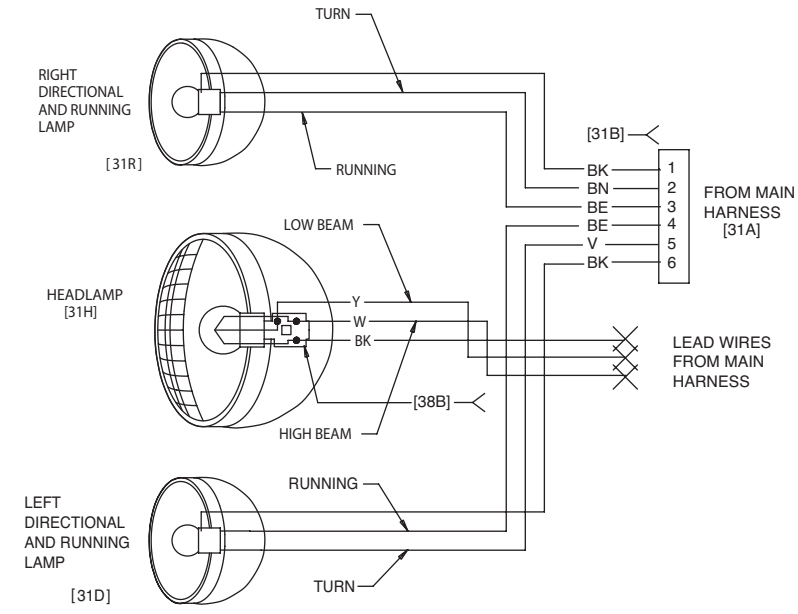
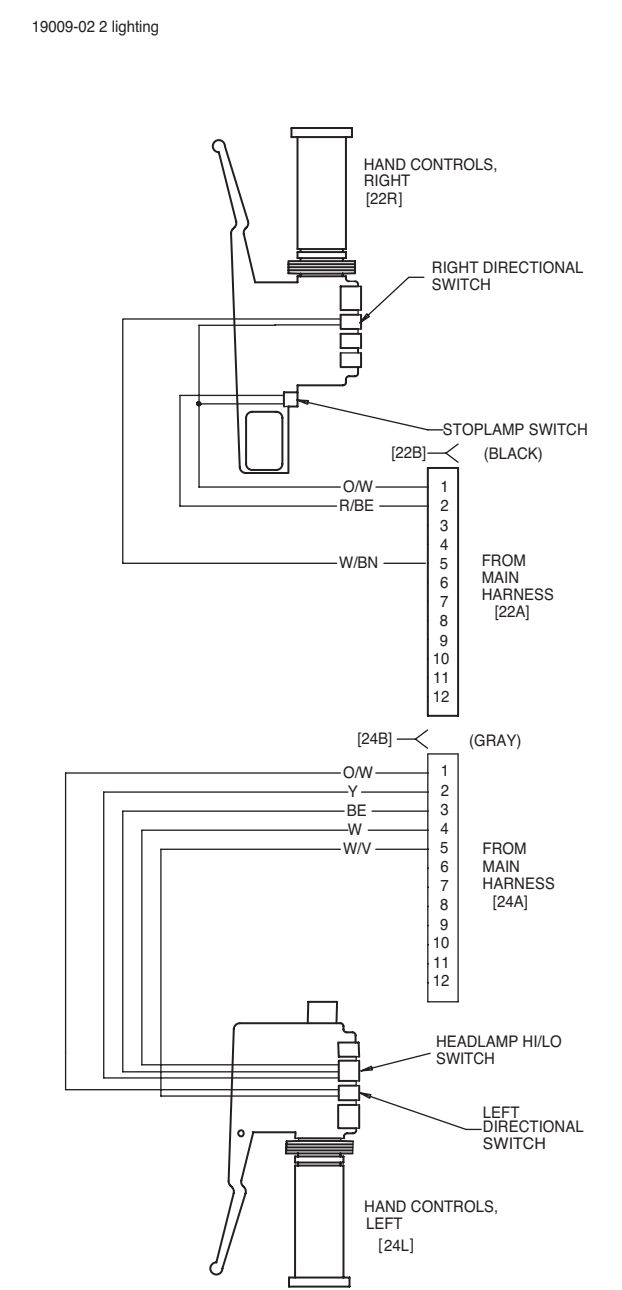
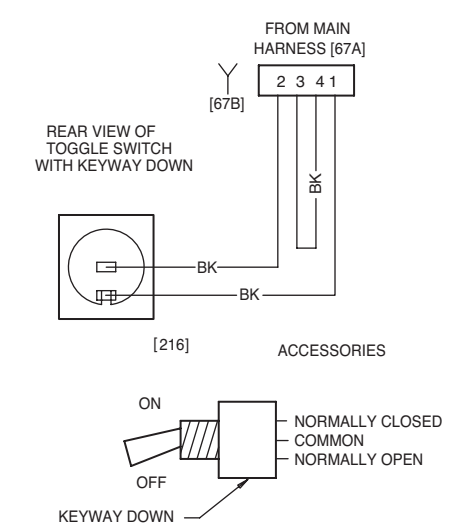
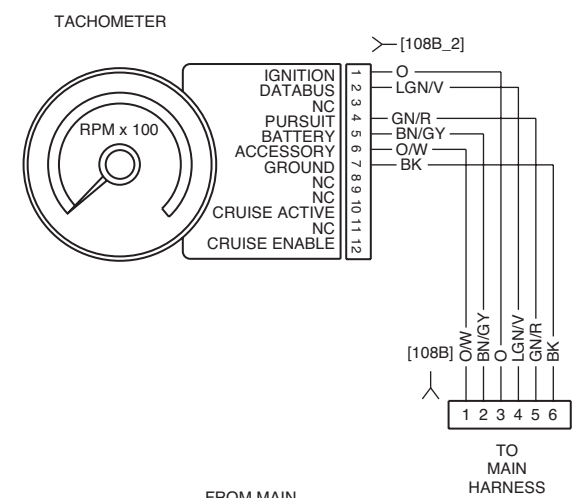
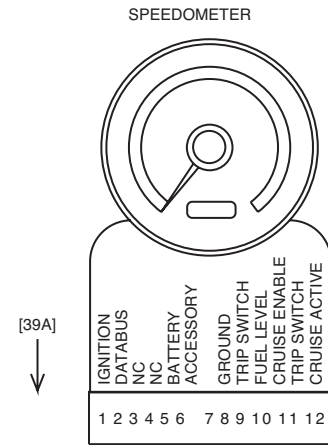
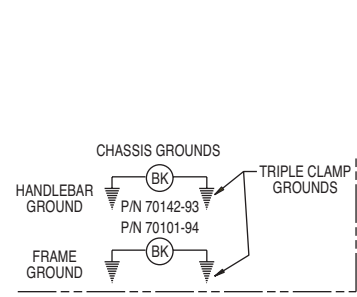




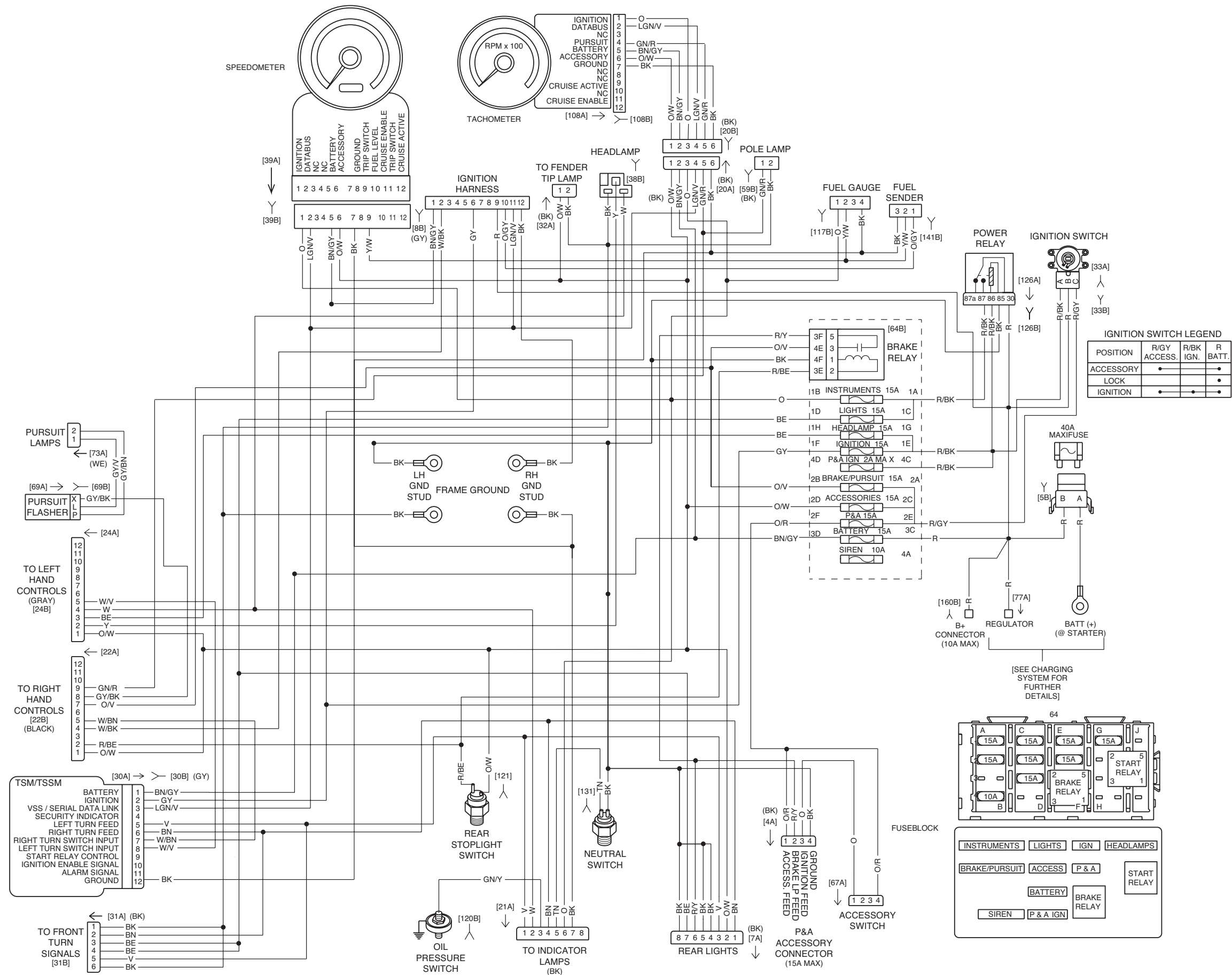
IGNITION SWITCH LEGEND

POSITION	R/GY ACCESS.	R/BK IGN.	R BATT.
ACCESSORY	•		•
LOCK		•	
IGNITION	•	•	•

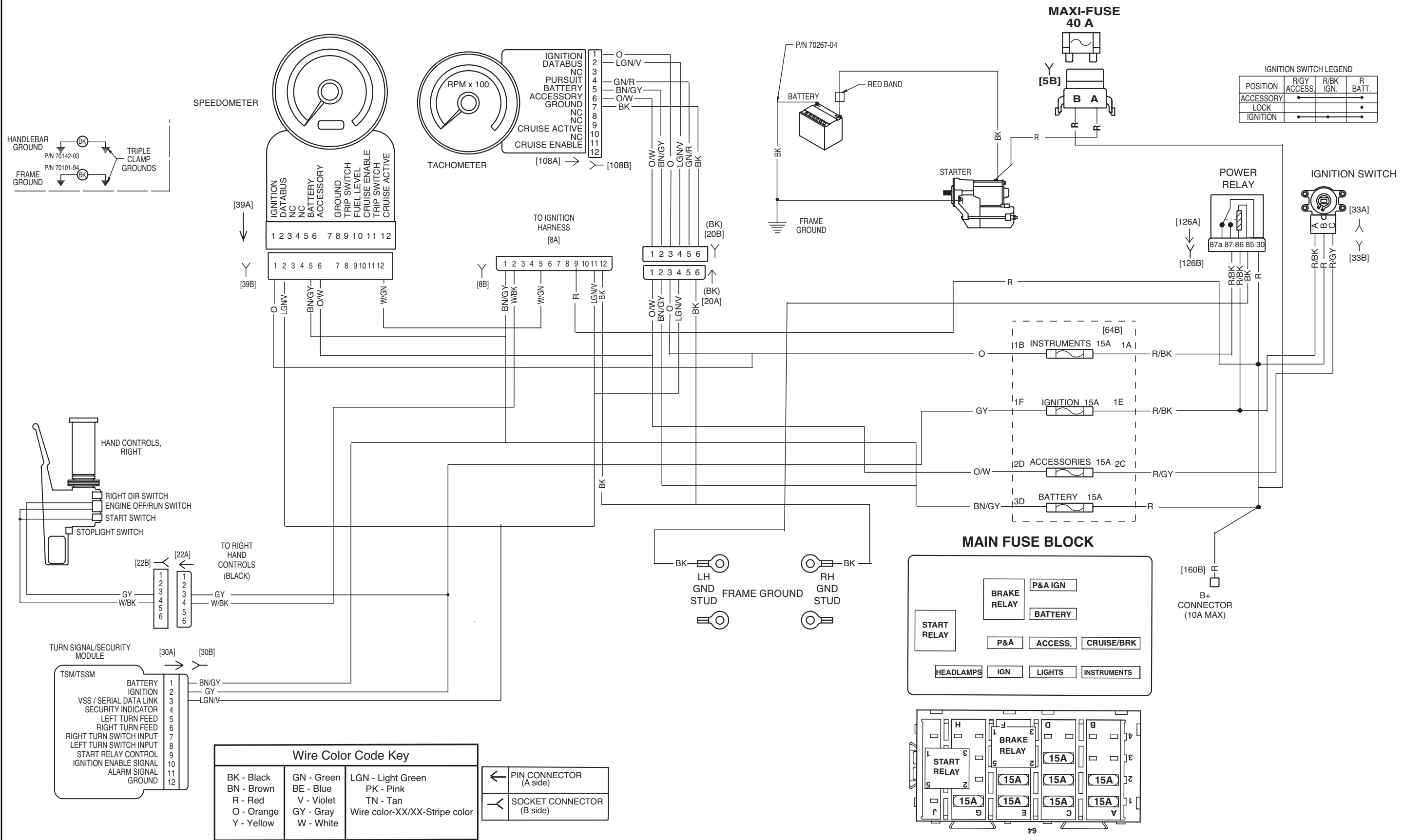


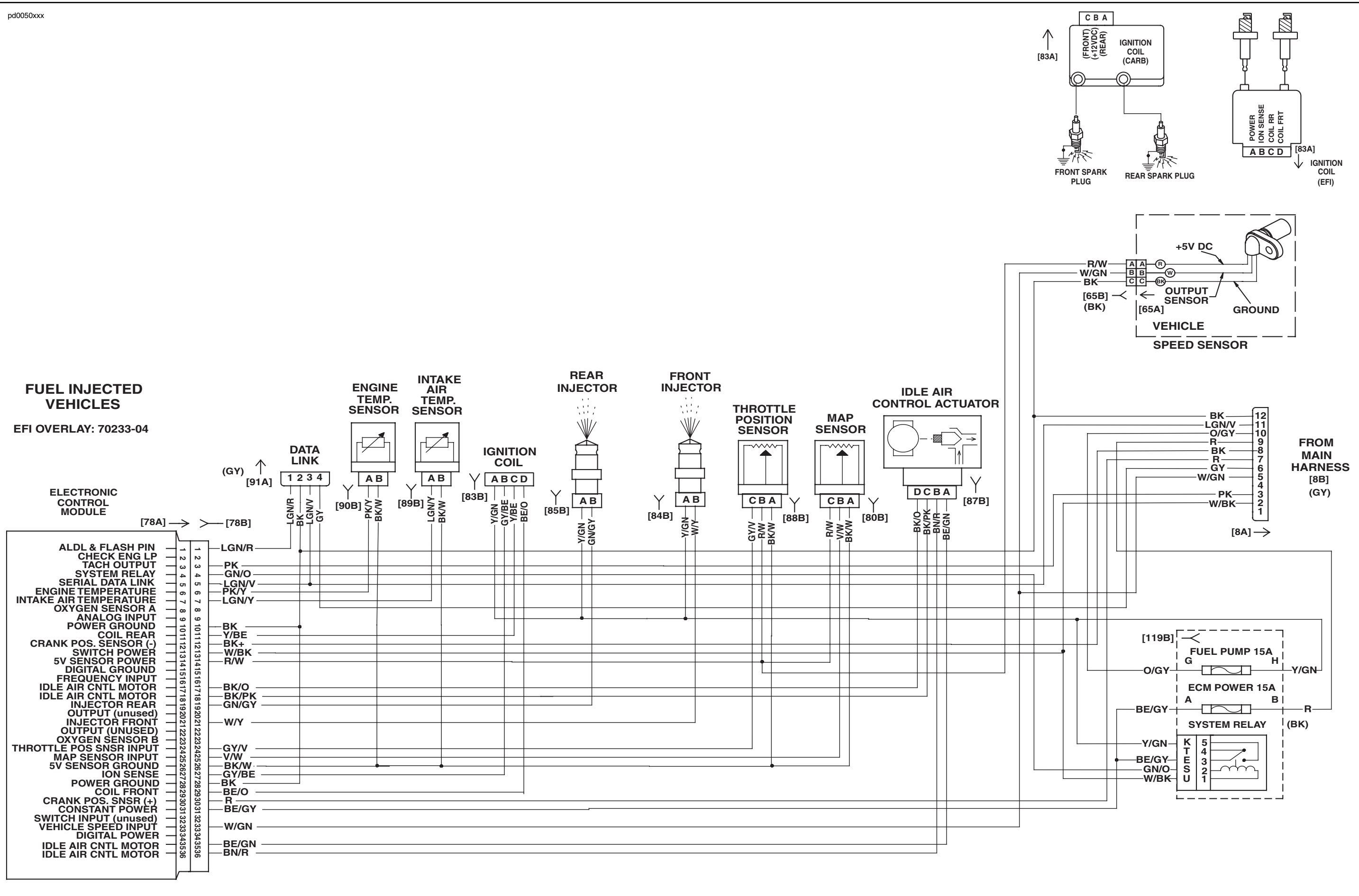


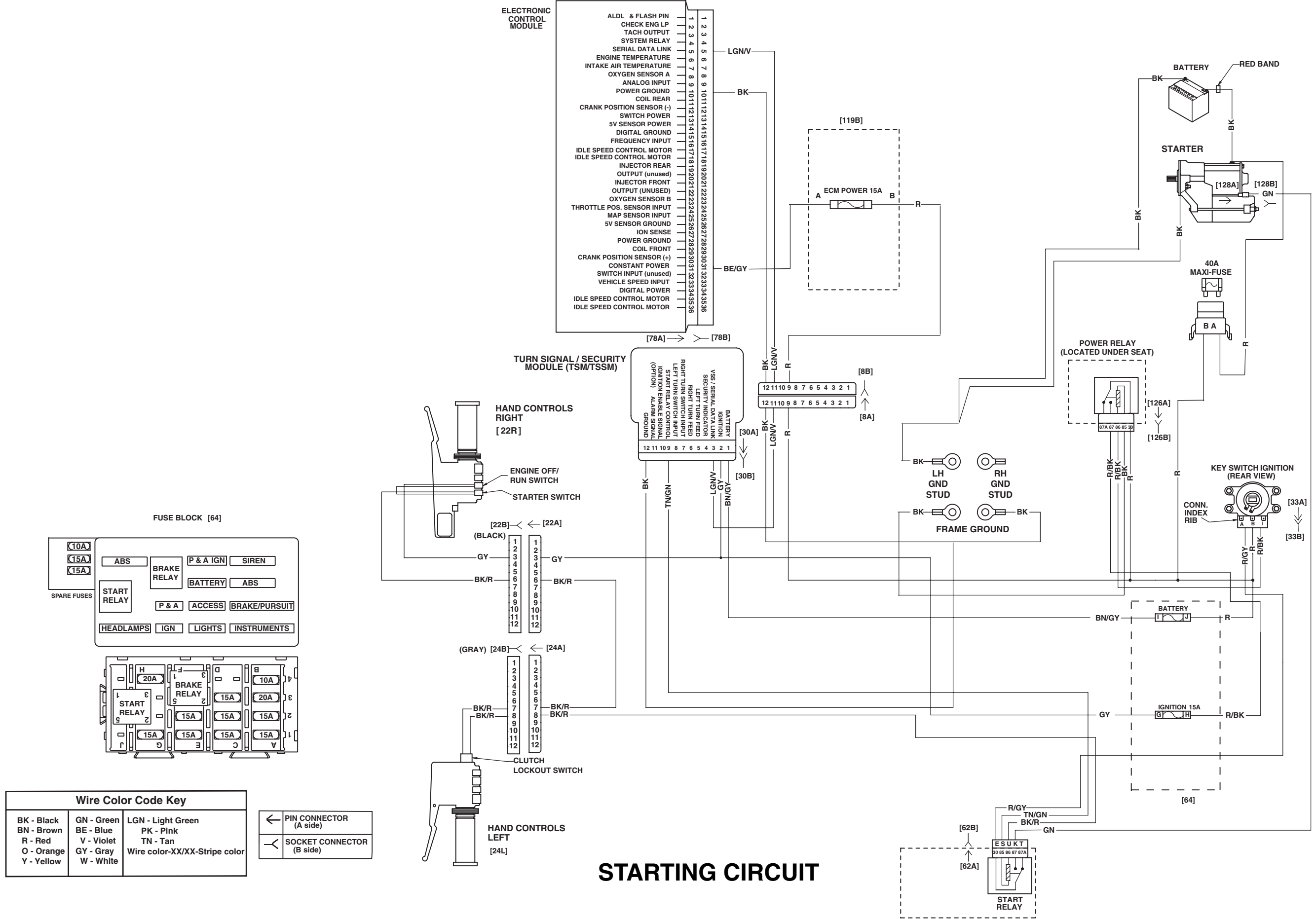
Wire Color Code Key			
BK - Black	GN - Green	LGN - Light Green	← PIN CONNECTOR (A side)
BN - Brown	BE - Blue	PK - Pink	
R - Red	V - Violet	TN - Tan	← SOCKET CONNECTOR (B side)
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color	
Y - Yellow	W - White		



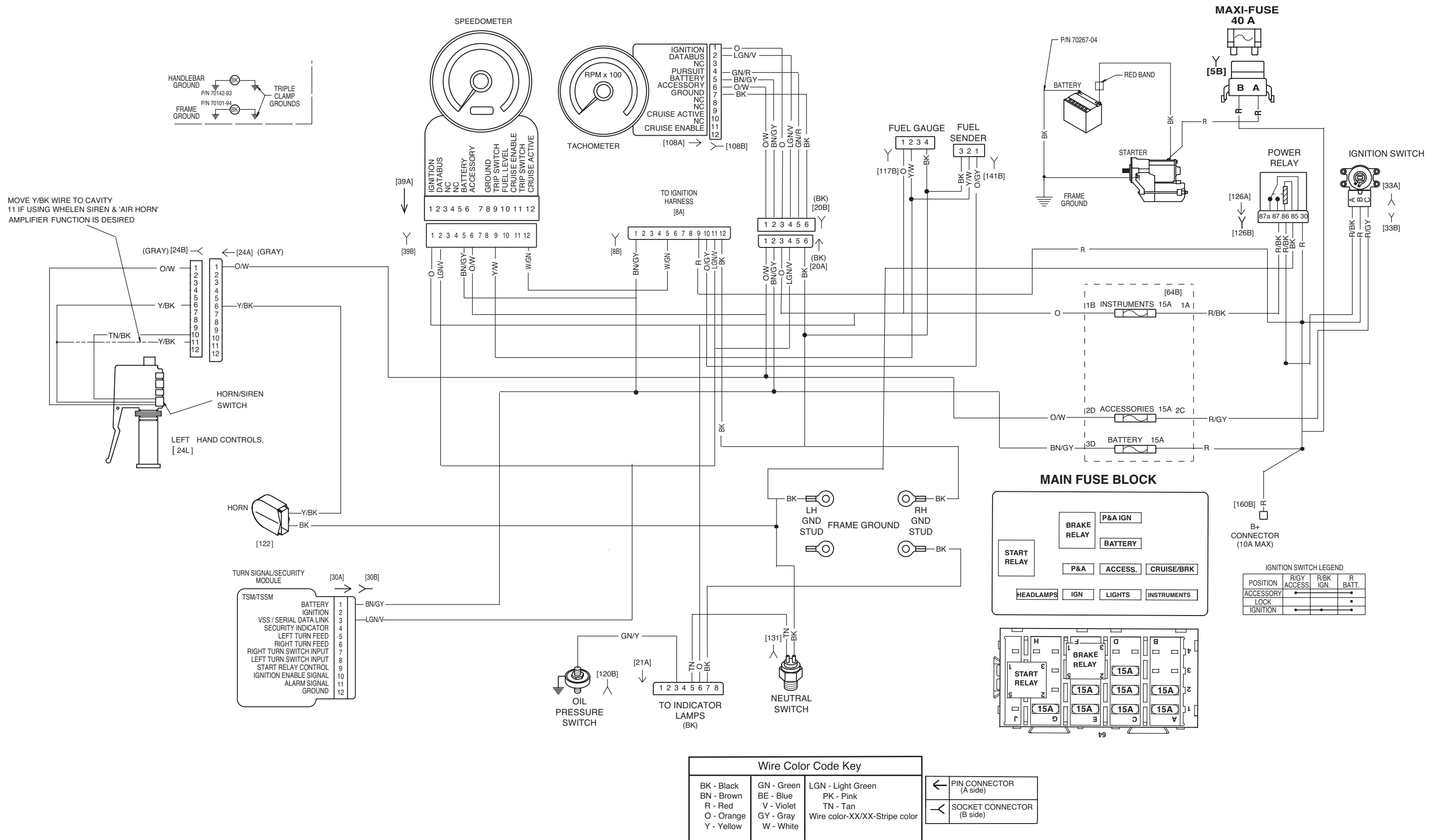


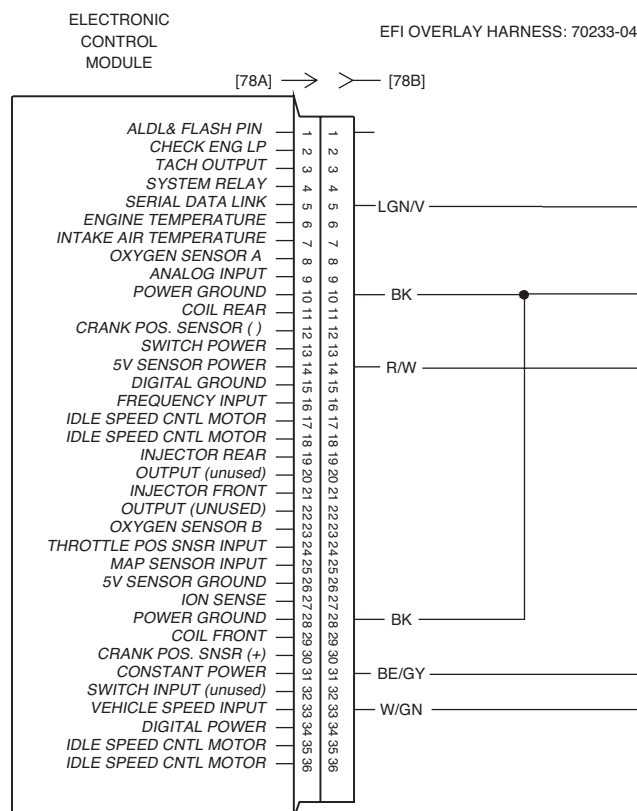
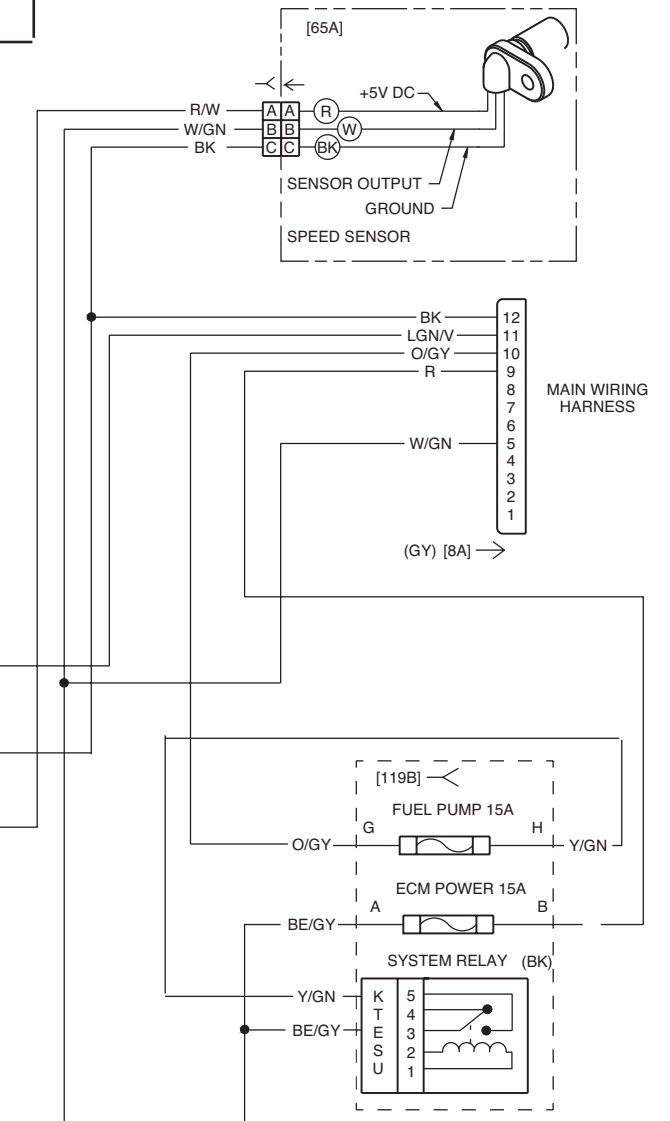
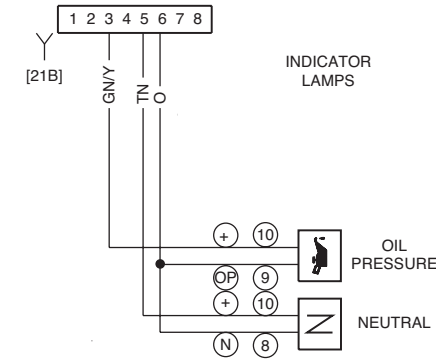
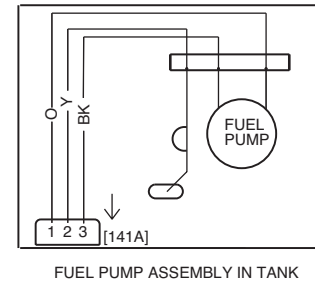
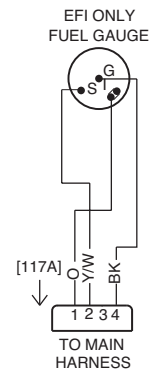


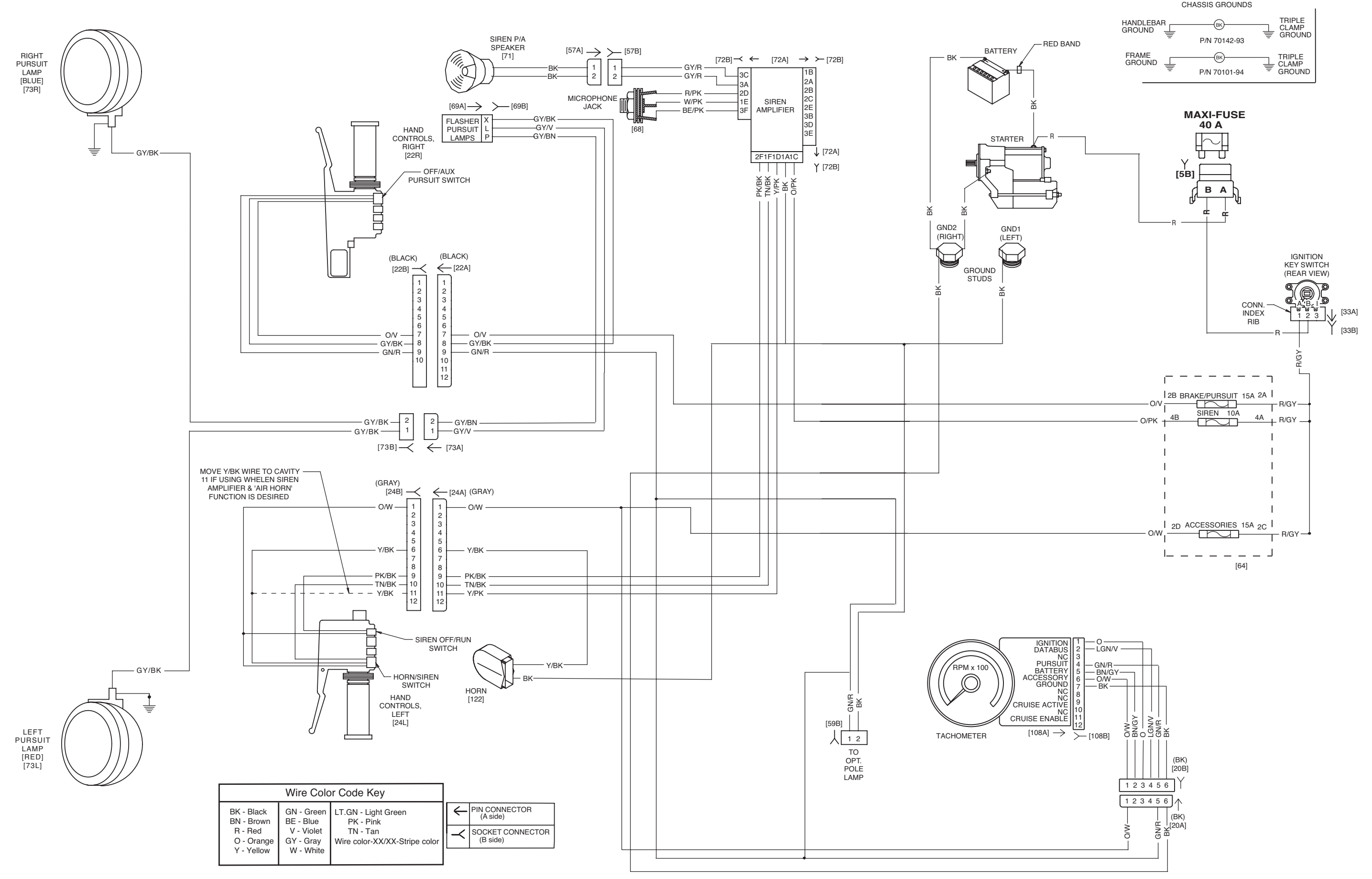




2005 ALL FLHPI, FLHPEI MODELS, STARTING CIRCUIT



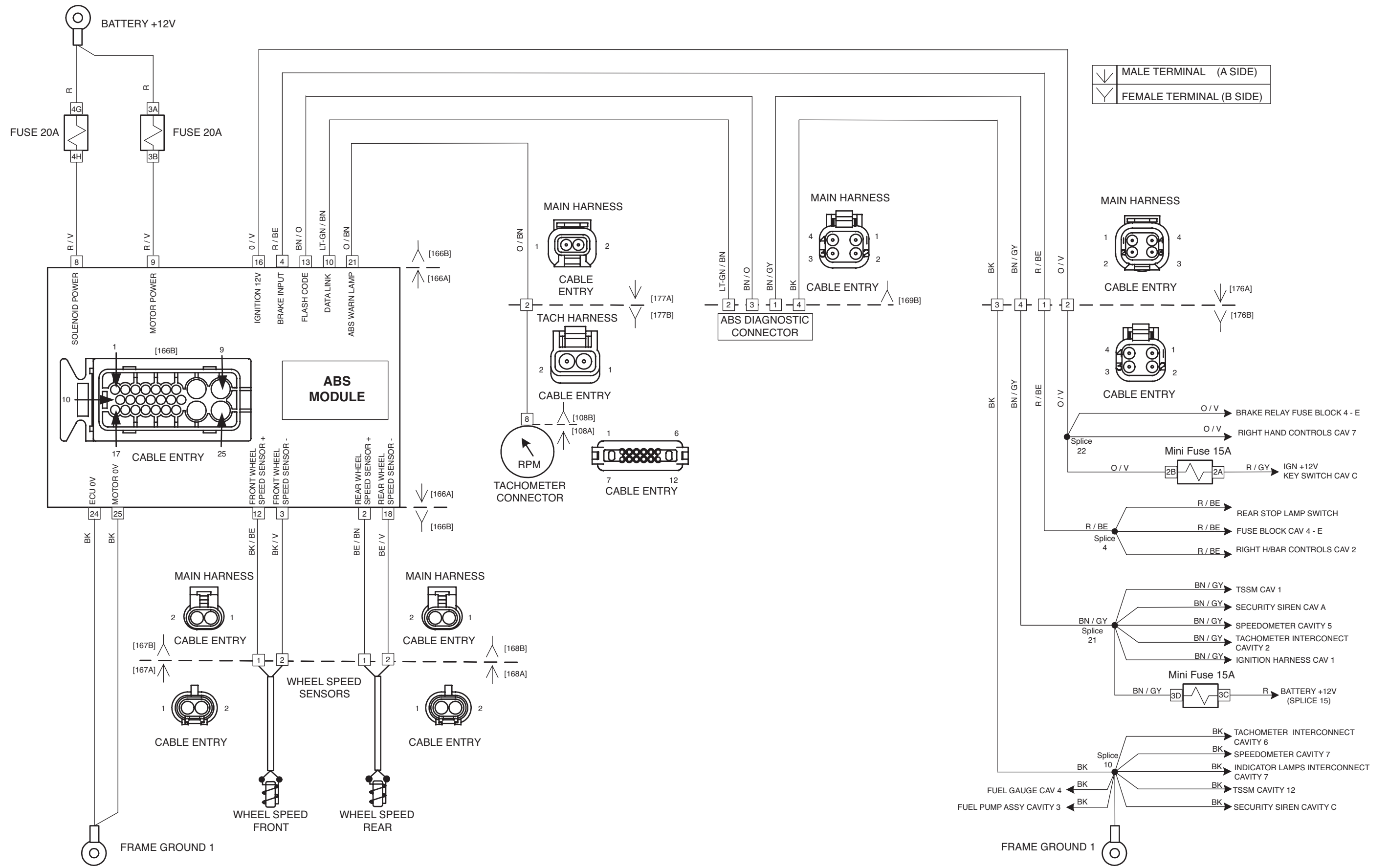




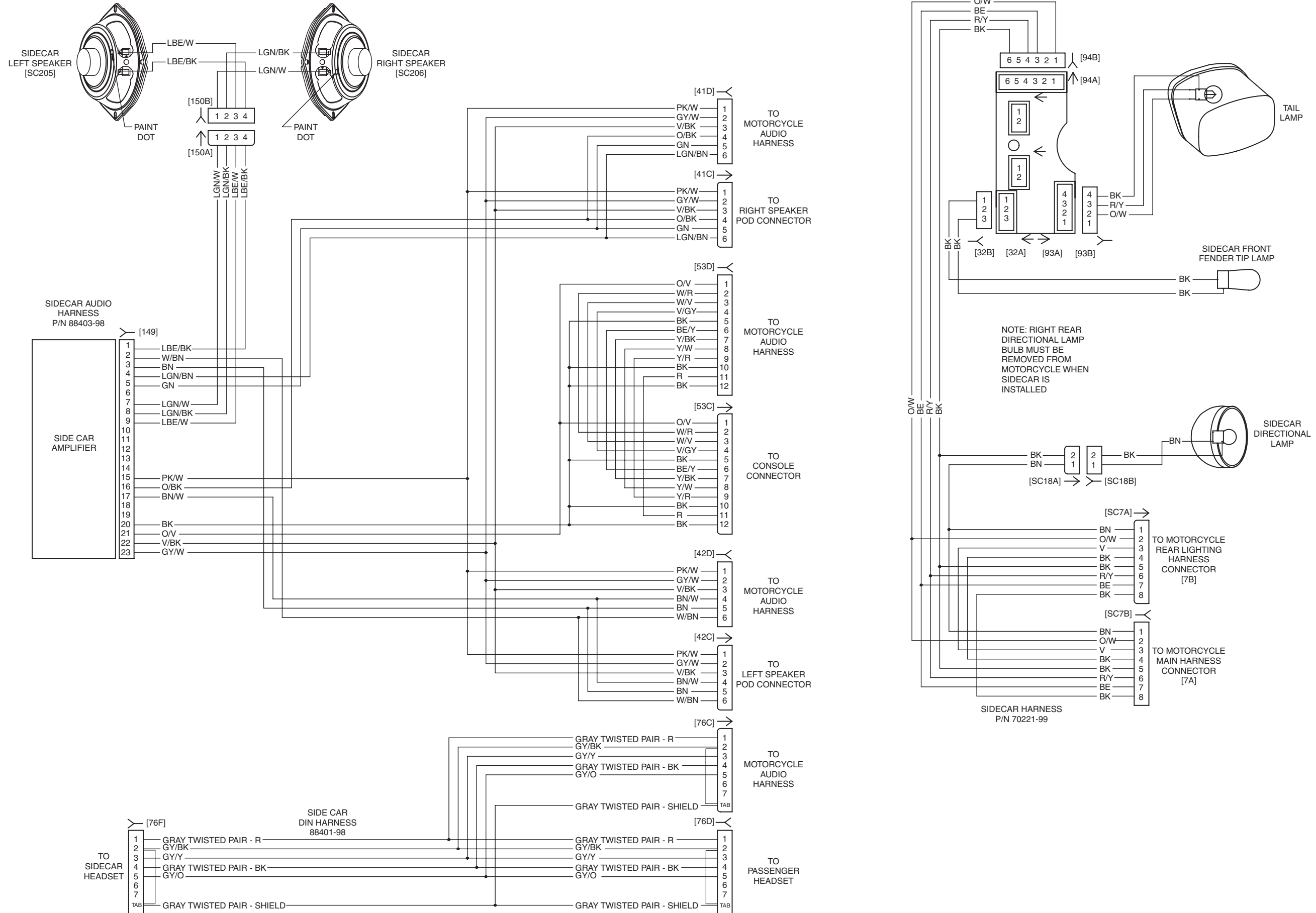
Wire Color Code Key		
BK - Black	GN - Green	LT.GN - Light Green
BN - Brown	BE - Blue	PK - Pink
R - Red	V - Violet	TN - Tan
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color
Y - Yellow	W - White	

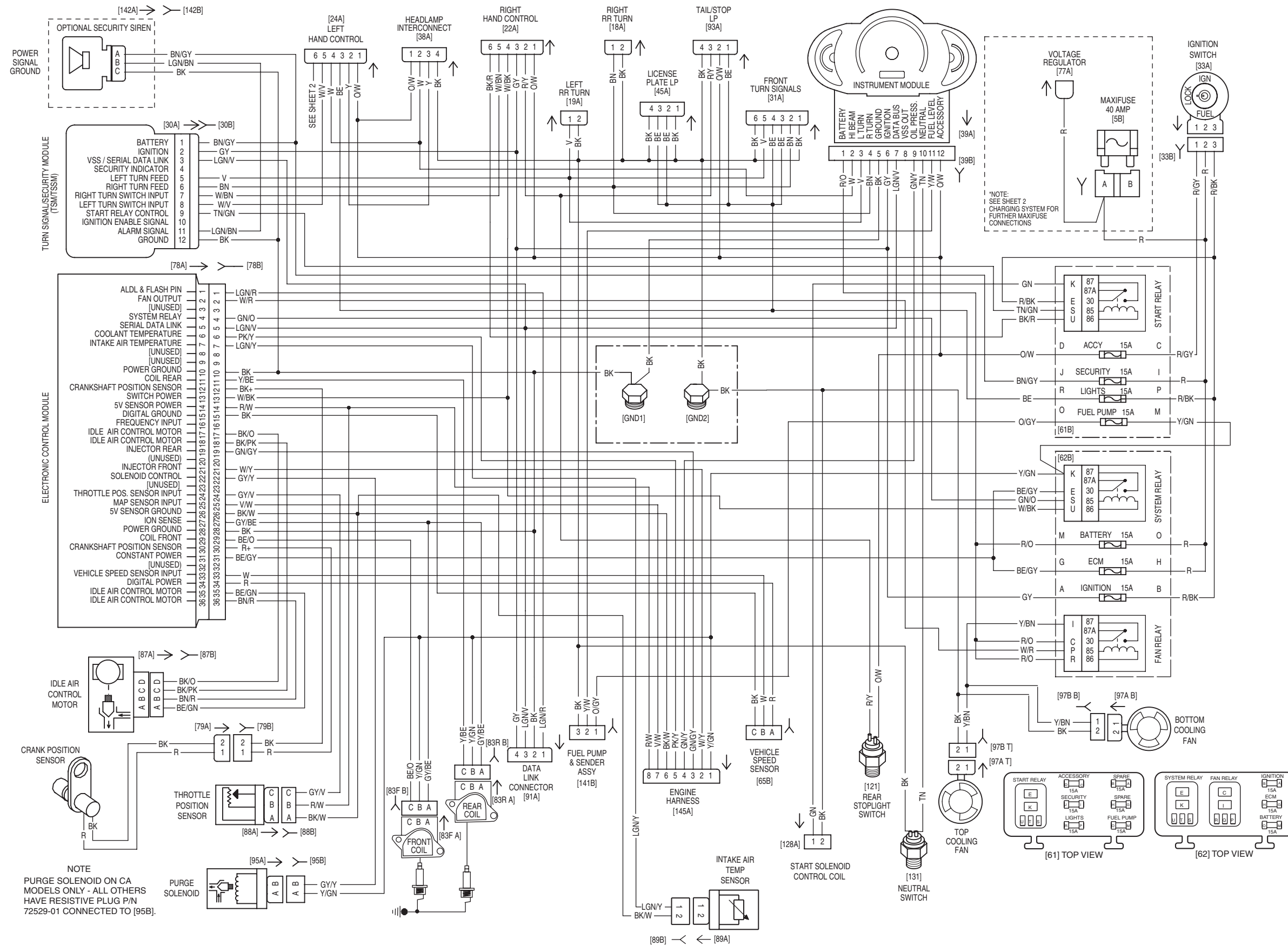
←	PIN CONNECTOR (A side)
↔	SOCKET CONNECTOR (B side)

2005 ALL FLHPI, FLHPEI MODELS, POLICE CIRCUIT

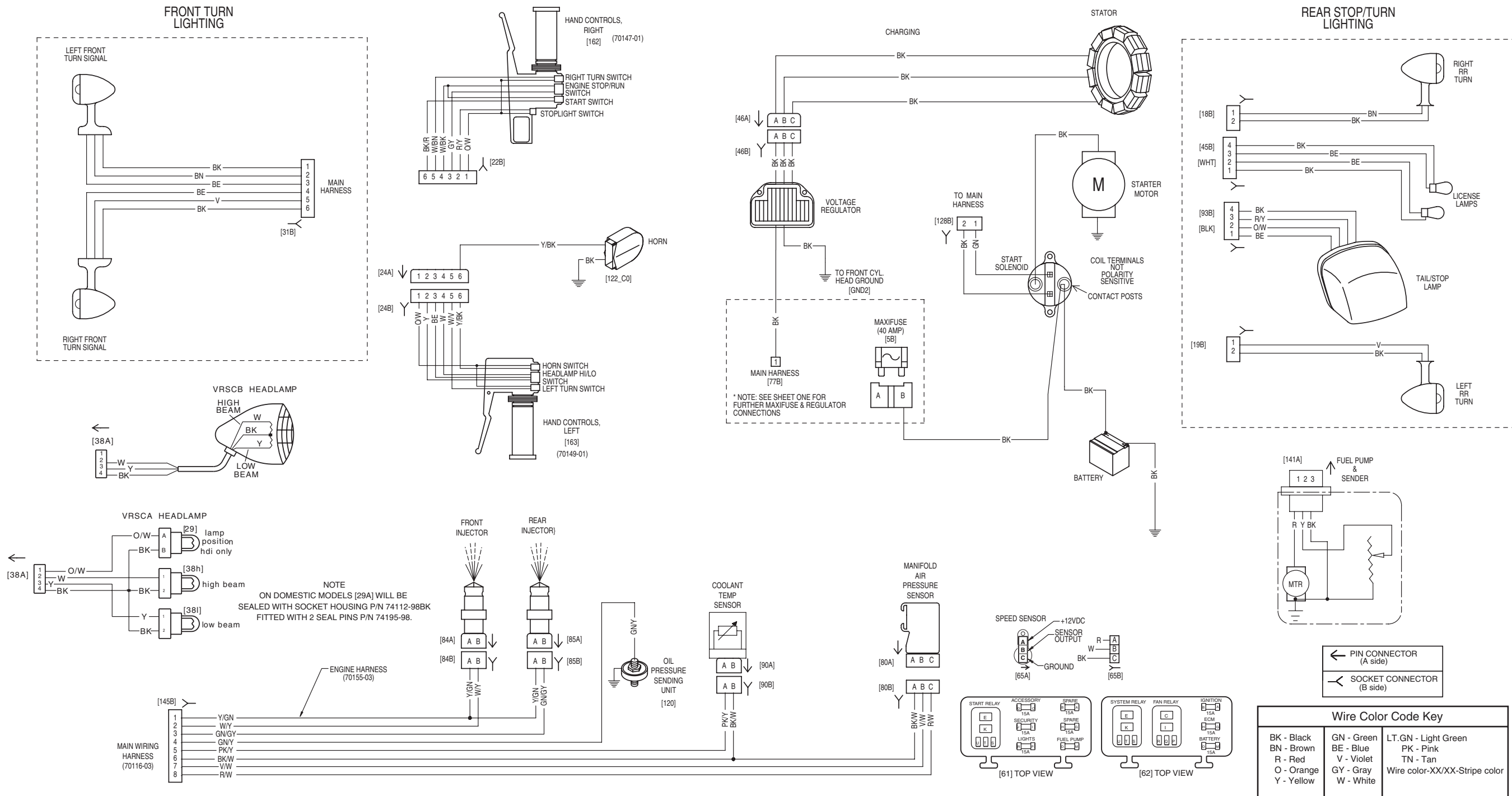


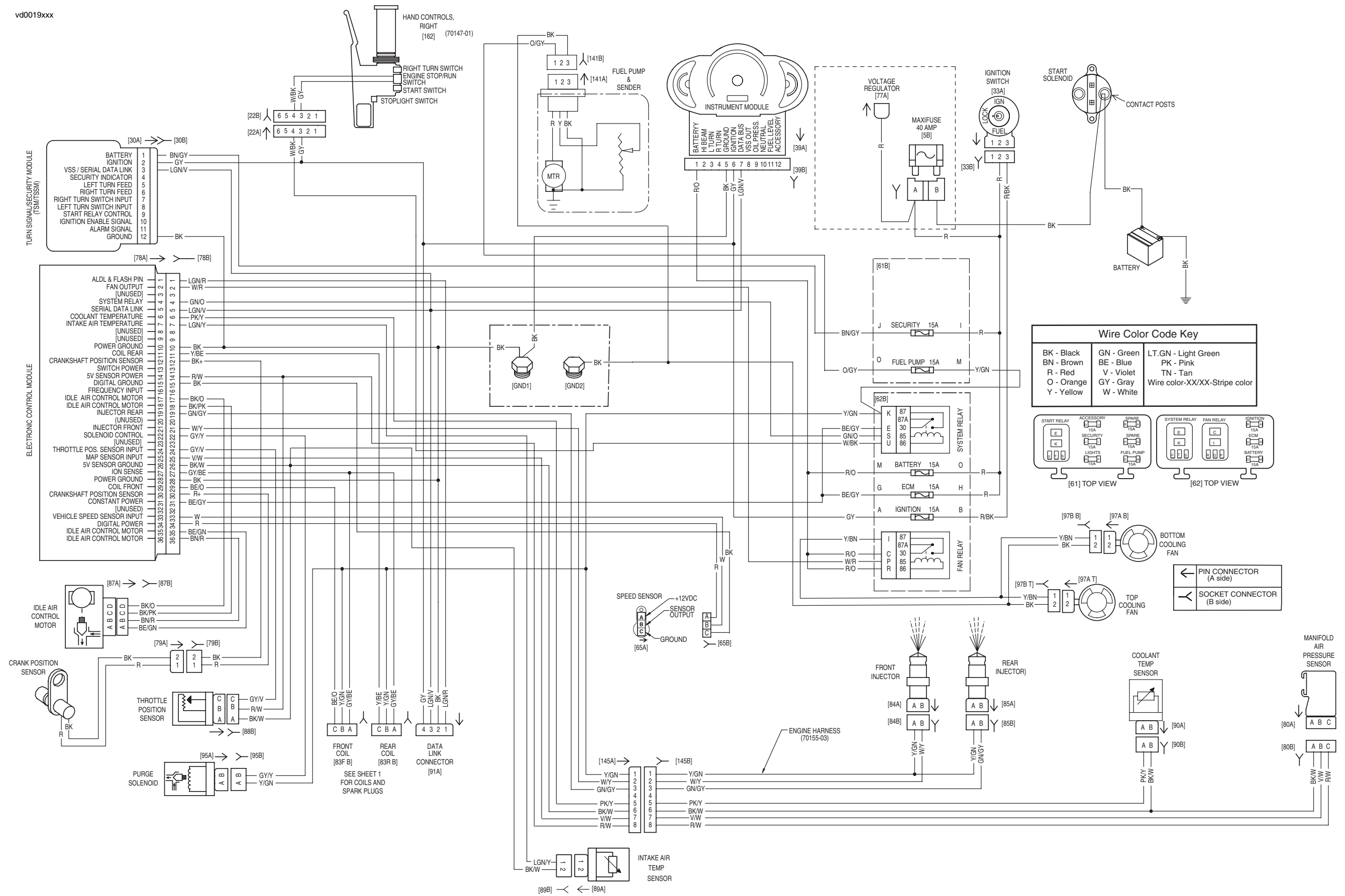
2005 ALL FLHPI MODELS, ANTI-LOCK BRAKE SYSTEM

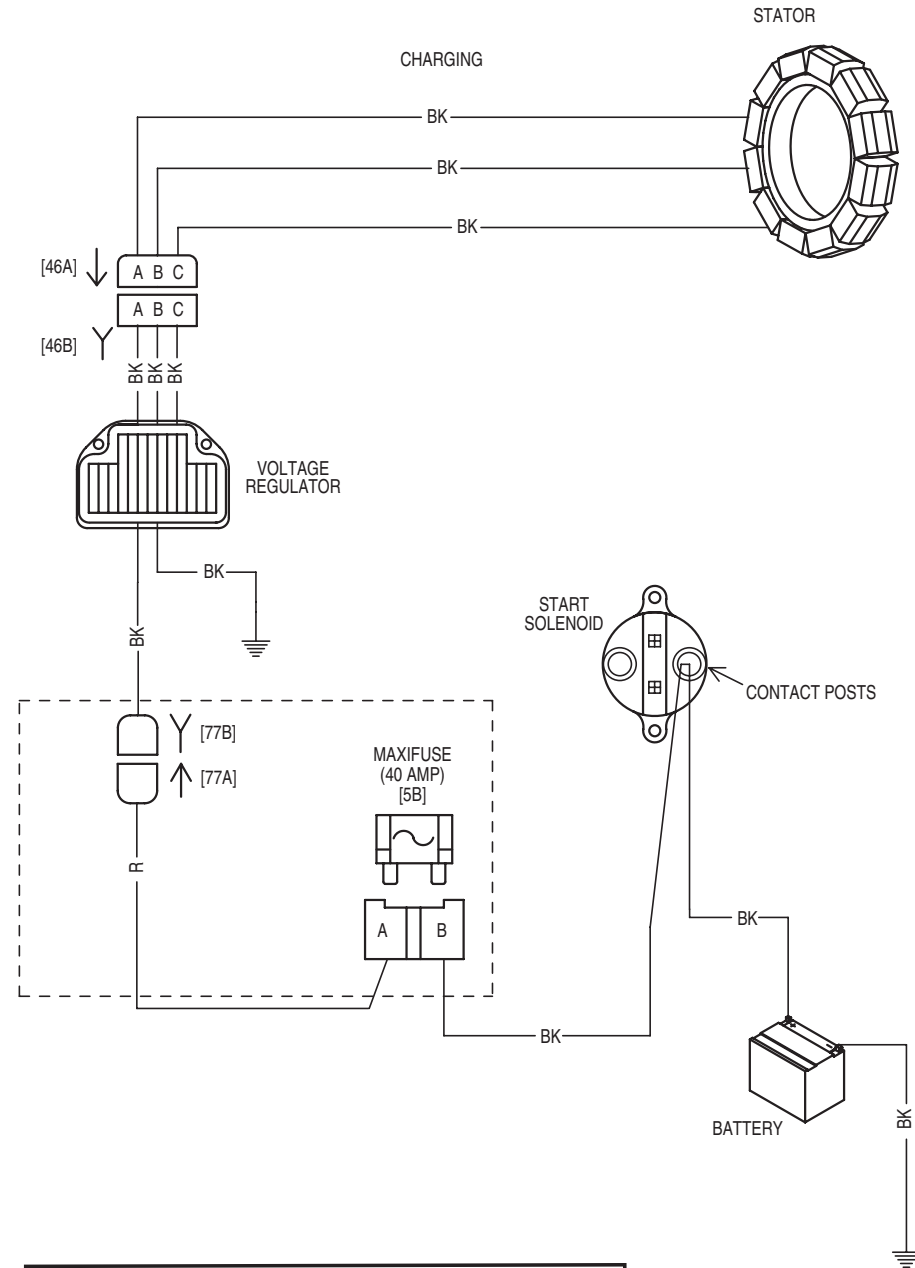




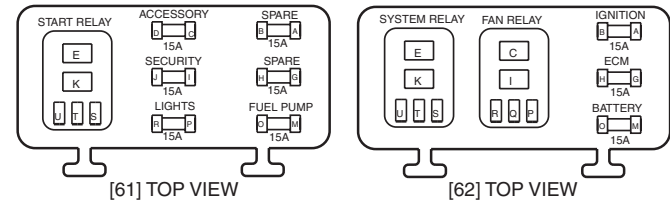
NOTE
PURGE SOLENOID ON CA
MODELS ONLY - ALL OTHERS
HAVE RESISTIVE PLUG P/N
72529-01 CONNECTED TO [95B].

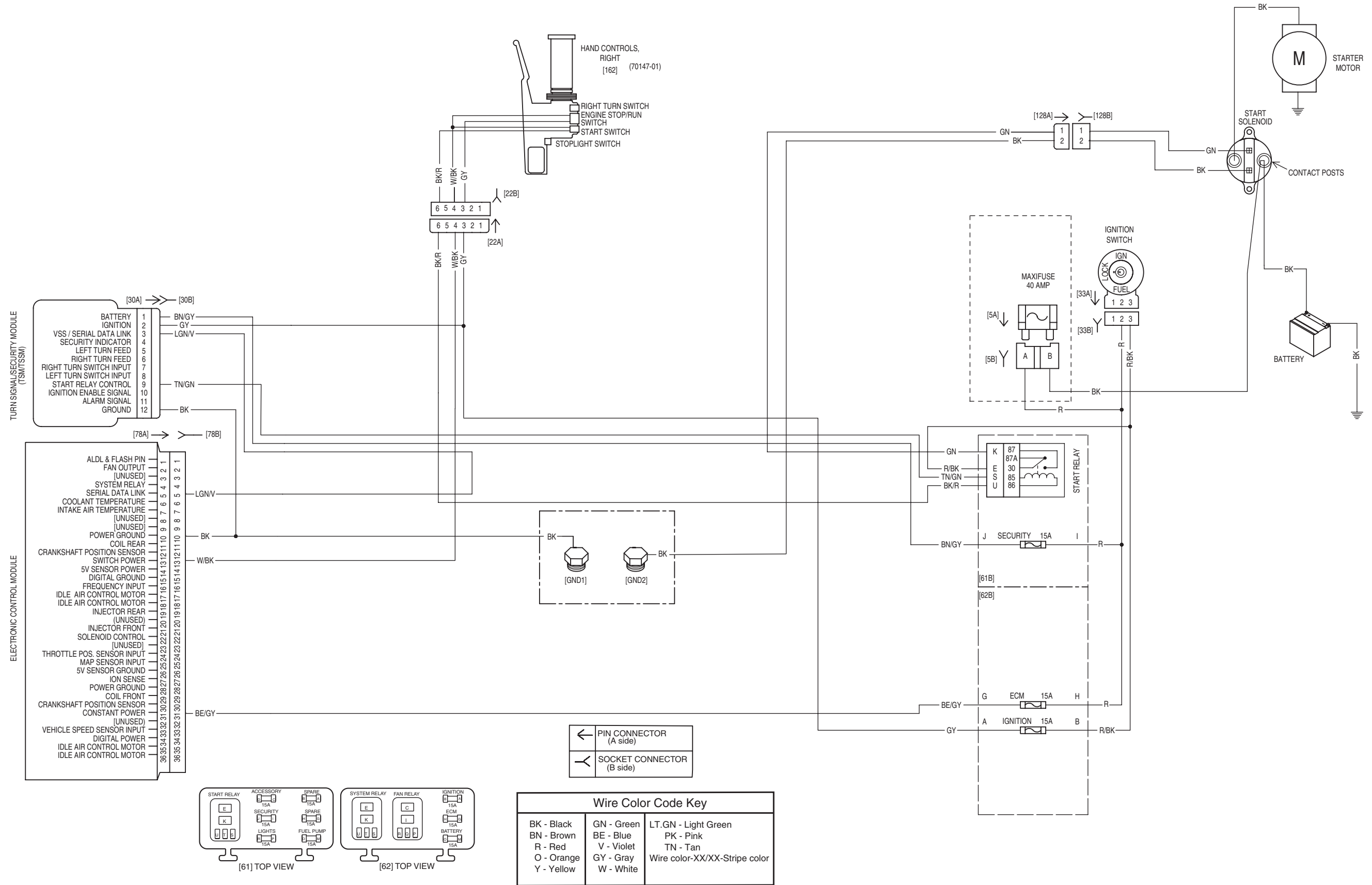


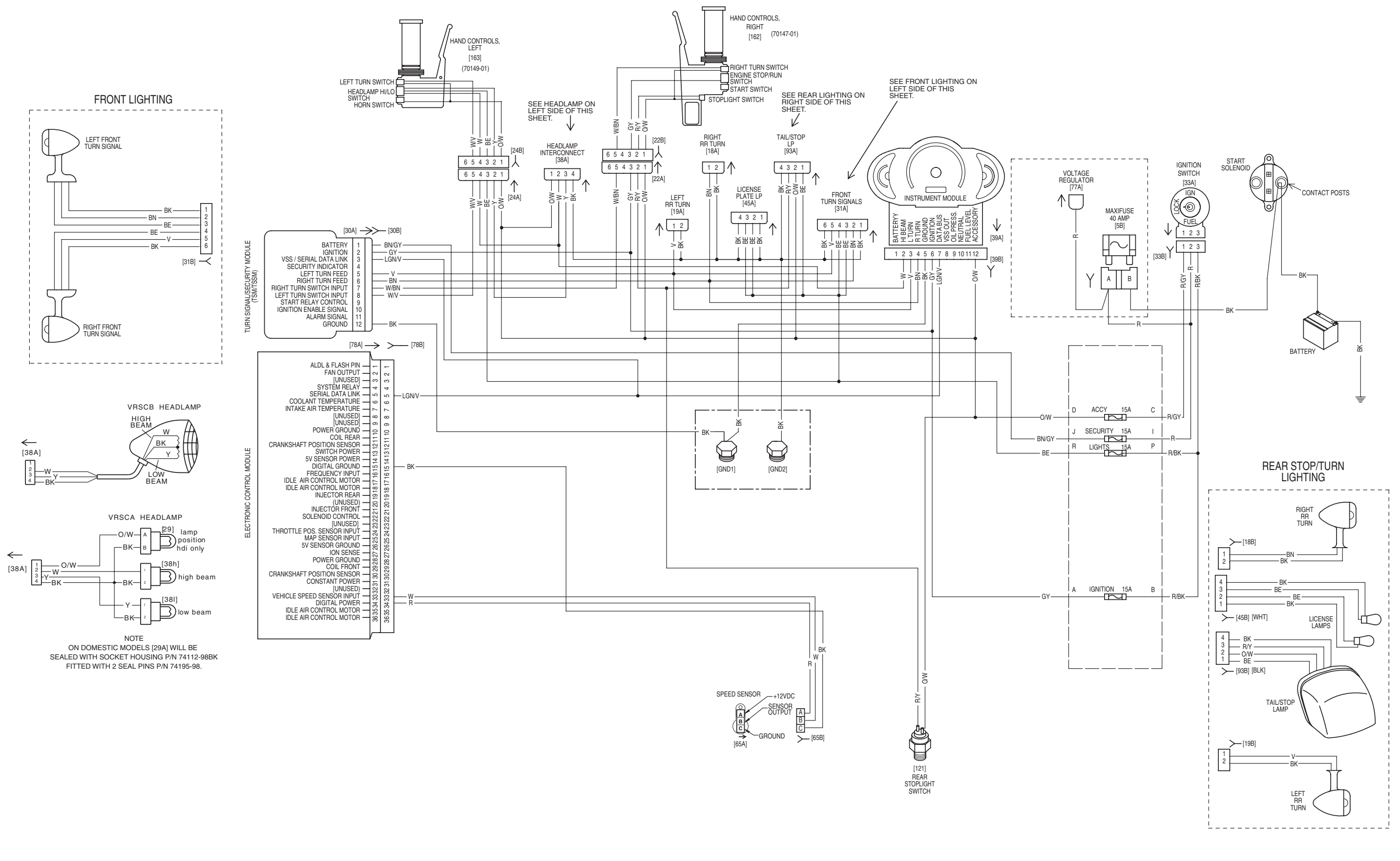




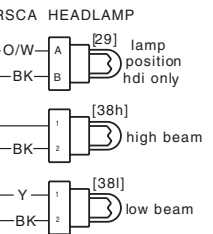
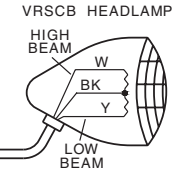
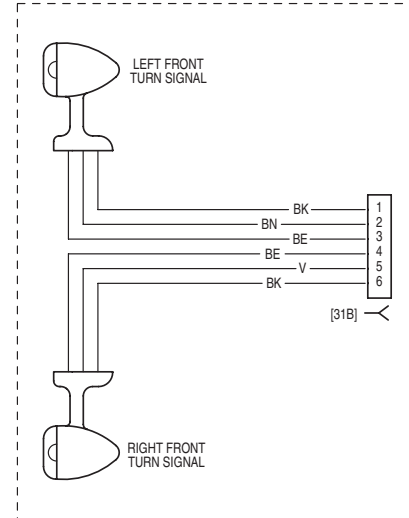
Wire Color Code Key			
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BN - Brown	BE - Blue	PK - Pink	
R - Red	V - Violet	TN - Tan	↘ SOCKET CONNECTOR (B side)
O - Orange	GY - Gray	Wire color-XX/XX-Stripe color	
Y - Yellow	W - White		





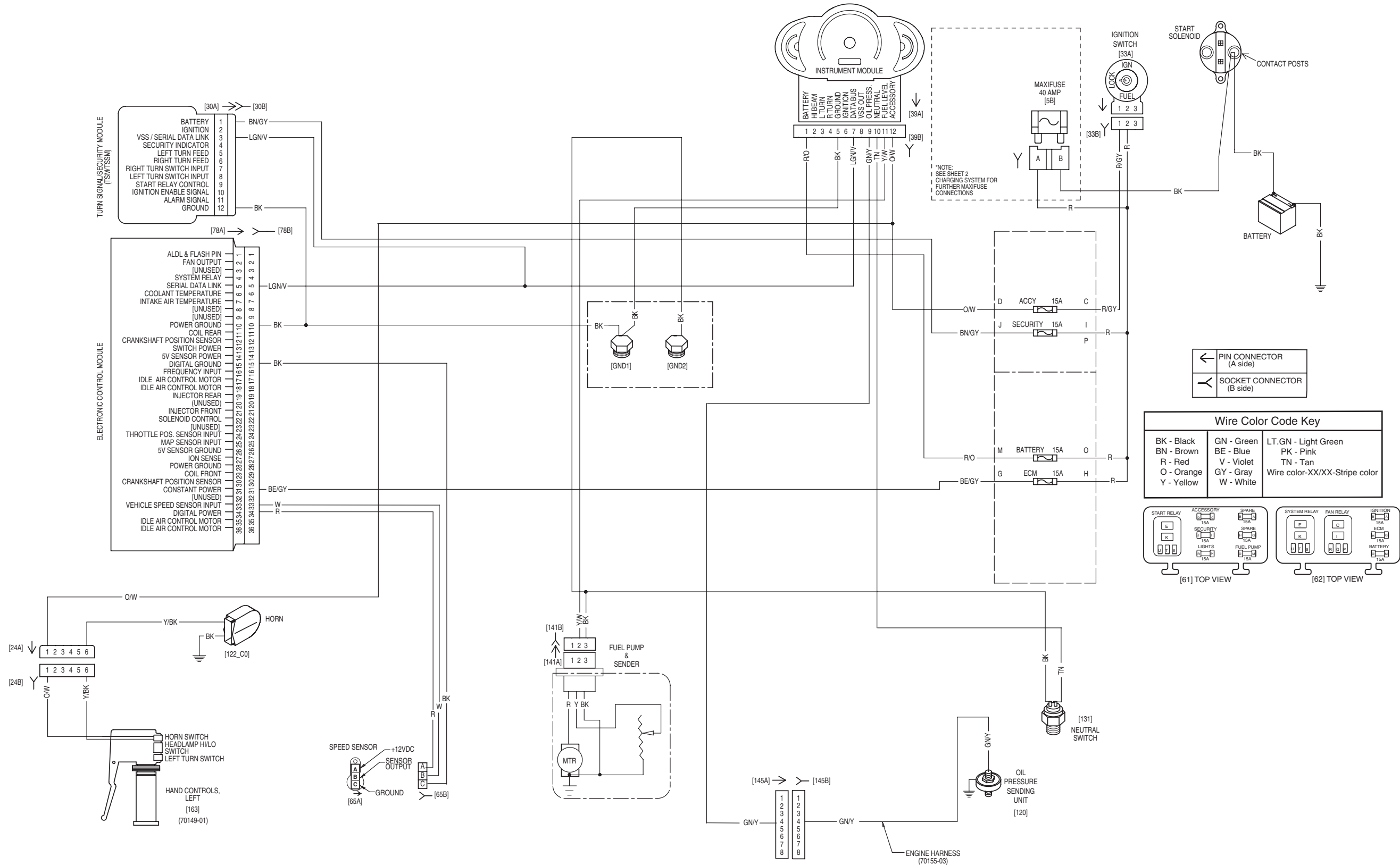


FRONT LIGHTING

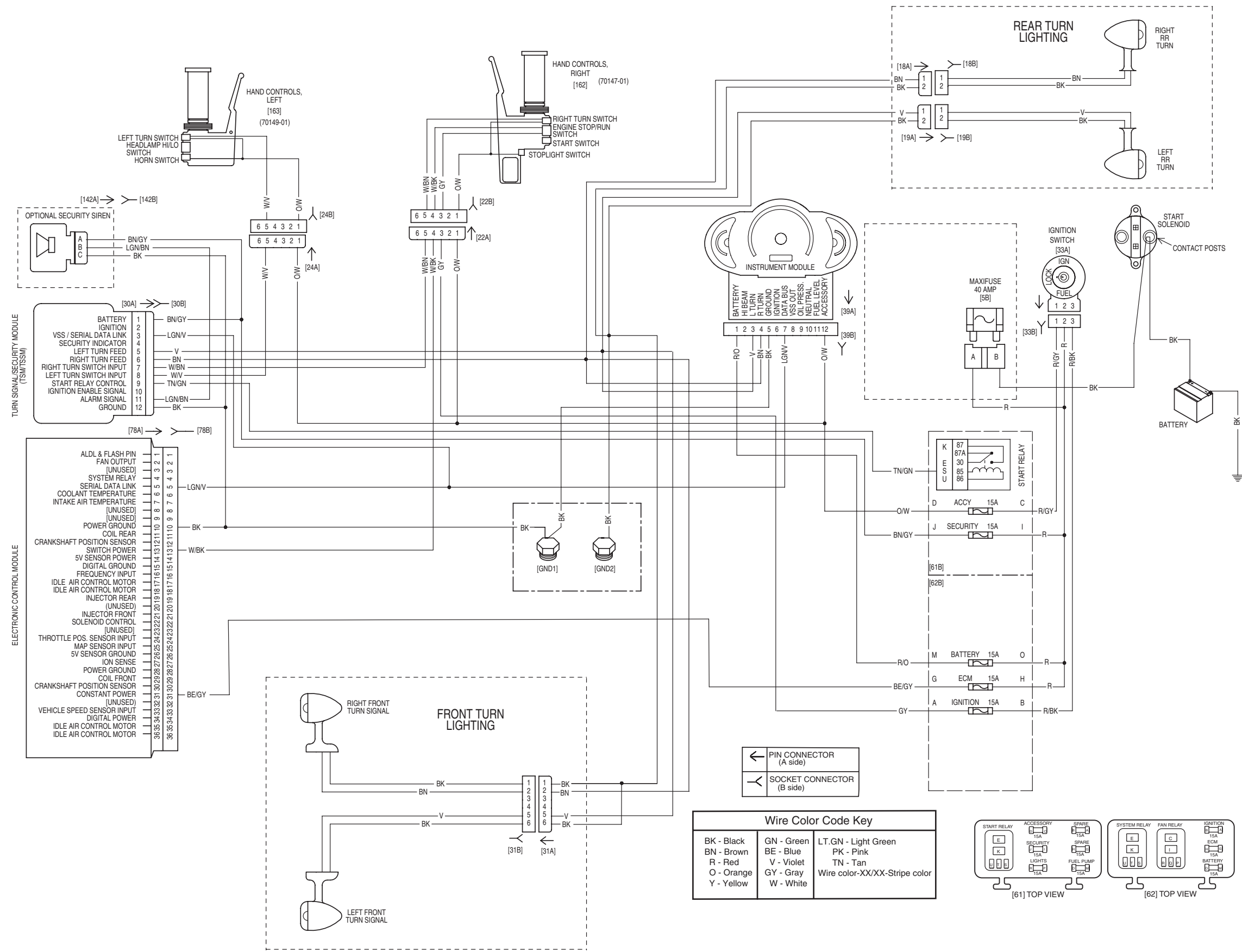


NOTE
ON DOMESTIC MODELS [29A] WILL BE
SEALED WITH SOCKET HOUSING P/N 74112-98BK
FITTED WITH 2 SEAL PINS P/N 74195-98.

2005 VRSC MODEL, LIGHTING CIRCUIT



2005 VRSC MODEL, HORN AND INSTRUMENT CIRCUIT



2005 VRSC MODEL, SECURITY CIRCUIT