MODEL: OL-HRN-RS-MA3

MODEL
OL-HRN-RS-MA3

GUIDE ID
MA3_AL-XX70-B_RS-X70_20230605

AVAILABLE ACCESSORIES
OL-HRN-RS-PWR
(Adapt to any brand remote start w/ BLADE or OL-MDB-ALL / FL-CAN / ADS-AL-CA)

VEHICLE COMPATIBILITY

For AL-XX70-B installations see pages 3-12
For RS-X70 installations see pages 13-22

See Battery Note on Page 2

Make	Model	Trim	Years	Firmware	Diagram
Mazda	3	Push-to-Start Hatchback Automatic	2014 - 2018	DL-MA3	1
Mazda	3	Push-to-Start Hatchback Manual	2014 - 2018	DL-MA3	2
Mazda	3	Push-to-Start Sedan Automatic	2014 - 2018	DL-MA3	1
Mazda	3	Push-to-Start Sedan Manual	2014 - 2018	DL-MA3	2
Mazda	6	Push-to-Start Automatic	2014 - 2021	DL-MA3	1
Mazda	6	Push-to-Start Manual	2014 - 2018	DL-MA3	2
Mazda	CX-3	Push-to-Start Automatic	2016 - 2022	DL-MA3	1
Mazda	CX-5	Push-to-Start Automatic	2013 - 2023	DL-MA3	1
Mazda	CX-5	Push-to-Start Manual	2013 - 2019	DL-MA3	2
Mazda	CX-9	Push-to-Start Automatic	2016 - 2023	DL-MA3	1
Mazda	MX-5	Push-to-Start Automatic	2016 - 2022	DL-MA3	1
Mazda	MX-5	Push-to-Start Manual	2016 - 2022	DL-MA3	3

DISCLAIMER: The manufacturer of this product nor its affiliates accept any responsibility for any electrical damage to the vehicle or any other connected systems as a result of improper installation of this product. All wiring connections & vehicle compatibility must be verified by a professionally qualified technician prior to installation.

MODEL: OL-HRN-RS-MA3

Installation Precaution

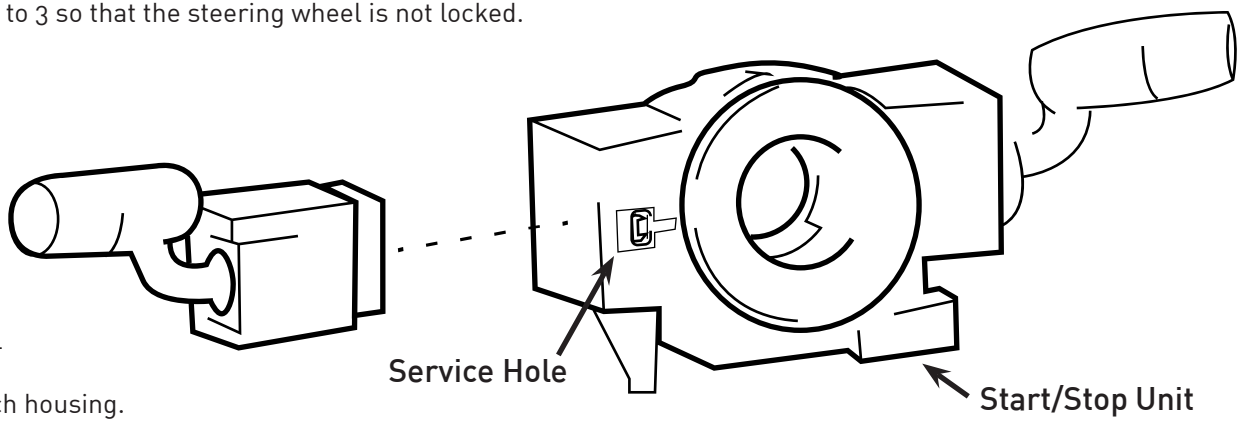
NOTE: Disconnect vehicle's negative battery cable before attempting installation. Failure to do so can cause damage to the Start/Stop Unit!

Parking Light Connector Location

NOTE: When removing the light switch, it is necessary to rotate the steering wheel. If the ignition is switched OFF from ON (engine on) with the driver's door closed, the steering wheel is locked. Perform the procedure in Steps 1 to 3 so that the steering wheel is not locked.

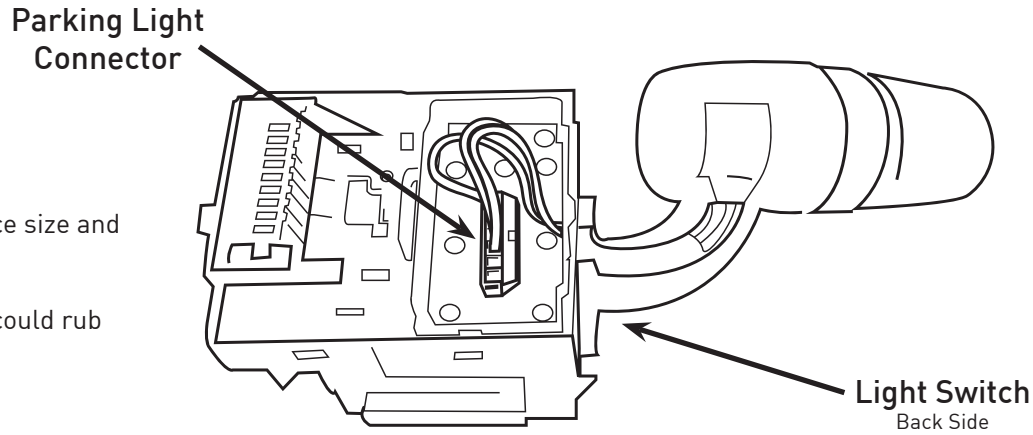
Light Switch Removal:

1. Switch the ignition ON (engine on).
2. Open the driver's door.
3. Switch the ignition to OFF.
4. Disconnect the negative battery cable..
5. Remove the column cover..
6. Rotate the steering wheel until the service hole, shown in the figure here, is visible (~90° counter-clockwise).
7. Insert a tape-wrapped flathead screwdriver or plastic panel tool into the service hole and gently press the locking tab.
8. While pressing the locking tab inward, pull out on the light switch housing. This will detach the light switch from the Start/Stop Unit.
9. Remove the light switch.



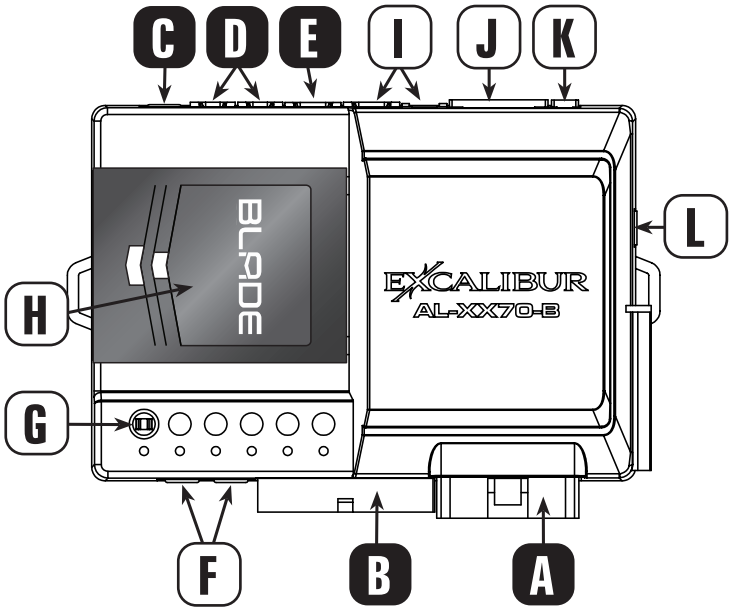
Parking Light Wiring:

1. Locate the clear cover on the back side of the Light Switch.
2. Remove the clear cover and locate the parking light connector.
3. Route wires thru the clear cover and Start/Stop Unit as needed.
4. Make the needed connections (see diagram for your vehicle).
   It is recommended to make all connections with soldier and heat shrink to reduce size and ensure the clear cover and light switch will fit together properly.
5. Secure wires in Light Switch and install clear cover.
6. Re-install Light Switch and ensure all wires are not near any moving parts that could rub or pinched causing short circuit or failure.



MODEL: OL-HRN-RS-MA3

AL-XX70-B Layout



A **WHITE 6 PIN HIGH CURRENT POWER HARNESS** (P/N: H-RS6E*)

B **WHITE 18 PIN MAIN INPUT/OUTPUT HARNESS** (P/N: H-RS18A)

C **RED 4 PIN DOOR LOCK/UNLOCK HARNESS** (P/N: DLP-N4)

D **RED 3 PIN REMOTE START HARNESS** (P/N: RS-OUTPUT)

E **WHITE 4 PIN AUXILIARY HARNESS** (P/N: H-RS4)

F **WHITE 4 PIN PLUG-IN SENSOR PORTS** (harness included w/ optional sensors)

G **TEMPERATURE SENSOR** - DO NOT COVER
(For high/low temp auto start and for automatic low temp crank extender)

H **BLADE CARTRIDGE PORT** - For OL-BLADE-AL64 or OL-BLADE-TB

I **GREEN & BLACK DATA PORTS** - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module.
(DBI & iDatalink protocols supported on both ports - see 'Vehicle Learn' or installer feature #12)

J **BLADE HARNESS PORT** - Use harness from BLADE or an 'OL-HRN-RS' T-Harness.

K **ANTENNA / STATUS LIGHT / VALET PORT** - Supports compatible plug-in antennas or push-button status light
(P/N: AU-LED-PB2)

L **BACKUP BATTERY PORT** - Uses standard 9v battery with bracket & plug. Featuring PowerMaze technology - only supports security critical functions!

AL-XX70-B Installation Steps

INSTALLATION STEPS:

1) Go to OmegaWeblink.com or use WebLink Mobile to flash the OL-BLADE-AL64 with the firmware matching the vehicle.
   NOTE: If OEM remote is being used to activate the remote start be sure to enable "Factory keyless RS sequence" as "Lock + Lock + Lock" OR "Lock + Unlock + Lock"
2) While at OmegaWeblink.com, make sure the AL-XX70-B is updated to v1.5 FW or higher.
3) Make all the connections shown in the diagram on the following pages.
4) Connect any optional hardware as needed.
5) Program the OL-BLADE-AL64 to the vehicle (see "BLADE Programming" on the following pages).
6) Perform Vehicle Learn to configure the remote start to match the vehicle (see "AL-XX70-B Programming/Vehicle Learn" on the following pages).
   NOTE: If Vehicle Learn is not performed remote start operation could fail.
7) Test the system for all desired functions.

NOTE: Any features NOT supported by the interface module must be hard wired from the remote start to the vehicle. Refer to the remote start install guide and vehicle wiring info at www.wiresheet.com (only available for authorized dealers) for instructions.

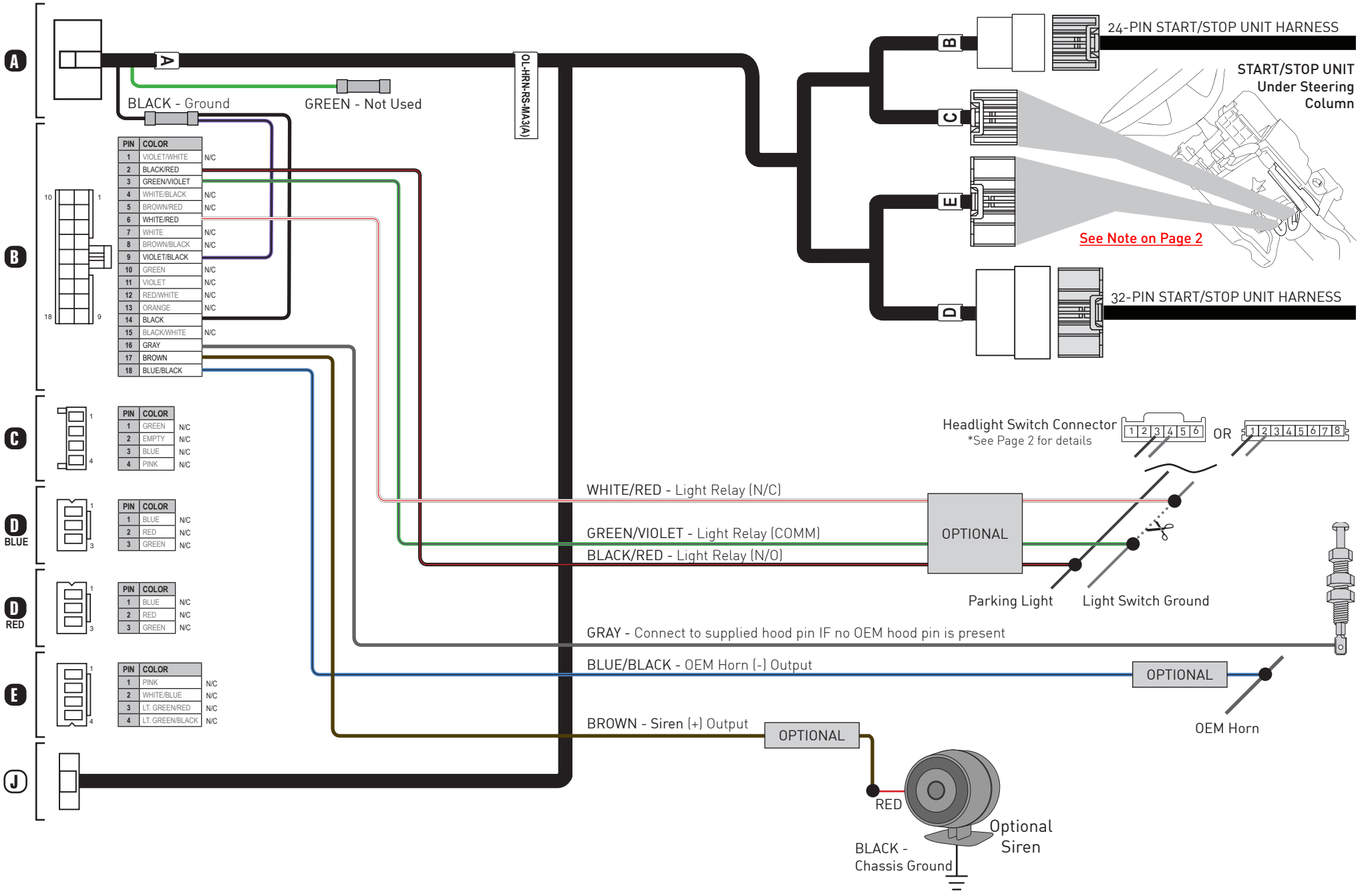
MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	3	Push-to-Start Hatchback Automatic	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	3	Push-to-Start Sedan Automatic	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	6	Push-to-Start Automatic	2014 - 2020	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	6	Push-to-Start Automatic	2021 - 2021	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	CX-3	Push-to-Start Automatic	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PINK	(-)	Clock Spring Connector
Mazda	CX-5	Push-to-Start Automatic	2013 - 2020	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
Mazda	CX-5	Push-to-Start Automatic	2021 - 2023	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
Mazda	CX-9	Push-to-Start Automatic	2016 - 2023	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	WHITE/BLACK	(-)	Clock Spring Connector
Mazda	MX-5	Push-to-Start Automatic	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PINK	(-)	Clock Spring Connector

MODEL: OL-HRN-RS-MA3

AL-XX70-B Diagram #1



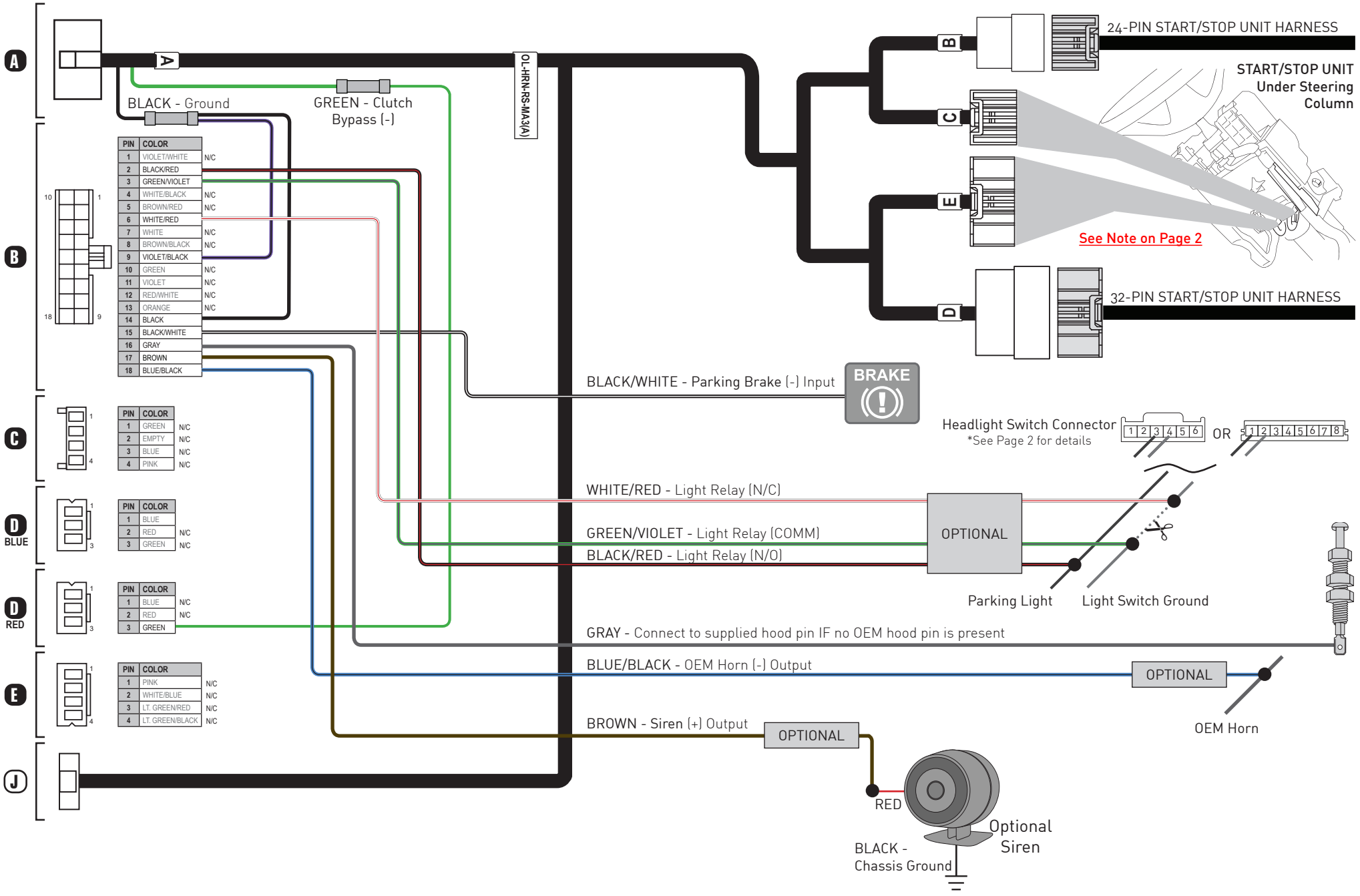
MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	3	Push-to-Start Hatchback Manual	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	(-)	Base of Parking Brake
Mazda	3	Push-to-Start Sedan Manual	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	(-)	Base of Parking Brake
Mazda	6	Push-to-Start Manual	2014 - 2015	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT.. GREEN/RED	(-)	Parking Brake Switch
Mazda	6	Push-to-Start Manual	2016-2017	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	12	12	LT. GREEN/RED	(-)	Parking Brake Switch
Mazda	6	Push-to-Start Manual	2018-2019	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	12	12	GRAY	(-)	Parking Brake Switch
Mazda	CX-5	Push-to-Start Manual	2013 - 2019	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
				Parking Brake	Covered Via Data					

MODEL: OL-HRN-RS-MA3

AL-XX70-B Diagram #2

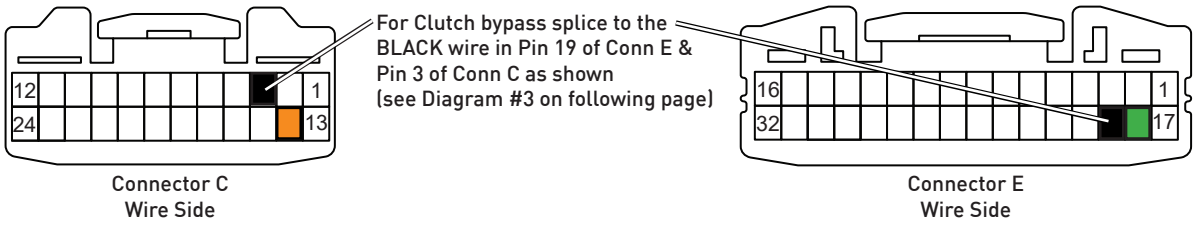


MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #3

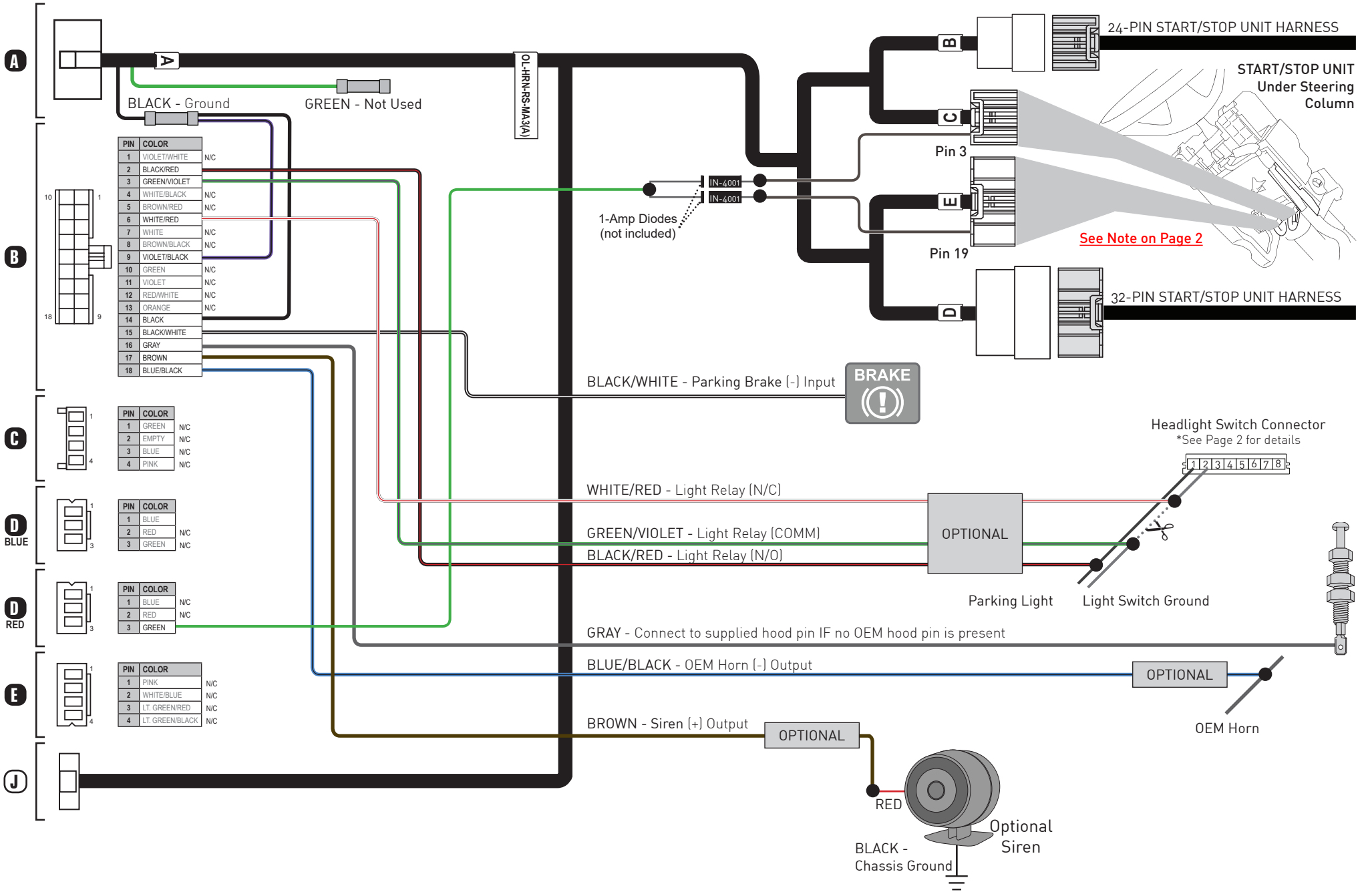
Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	MX-5	Push-to-Start Manual	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	Headlight Switch
				Light Switch Ground	White	8	2	BLACK	(-)	Headlight Switch
				Horn	White	14	1	PINK	(-)	Clock Spring Connector
				Parking Brake	White	1	1	RED/BLACK	(-)	Base of Parking Brake

Harness Modification for Diagram #3 Installations



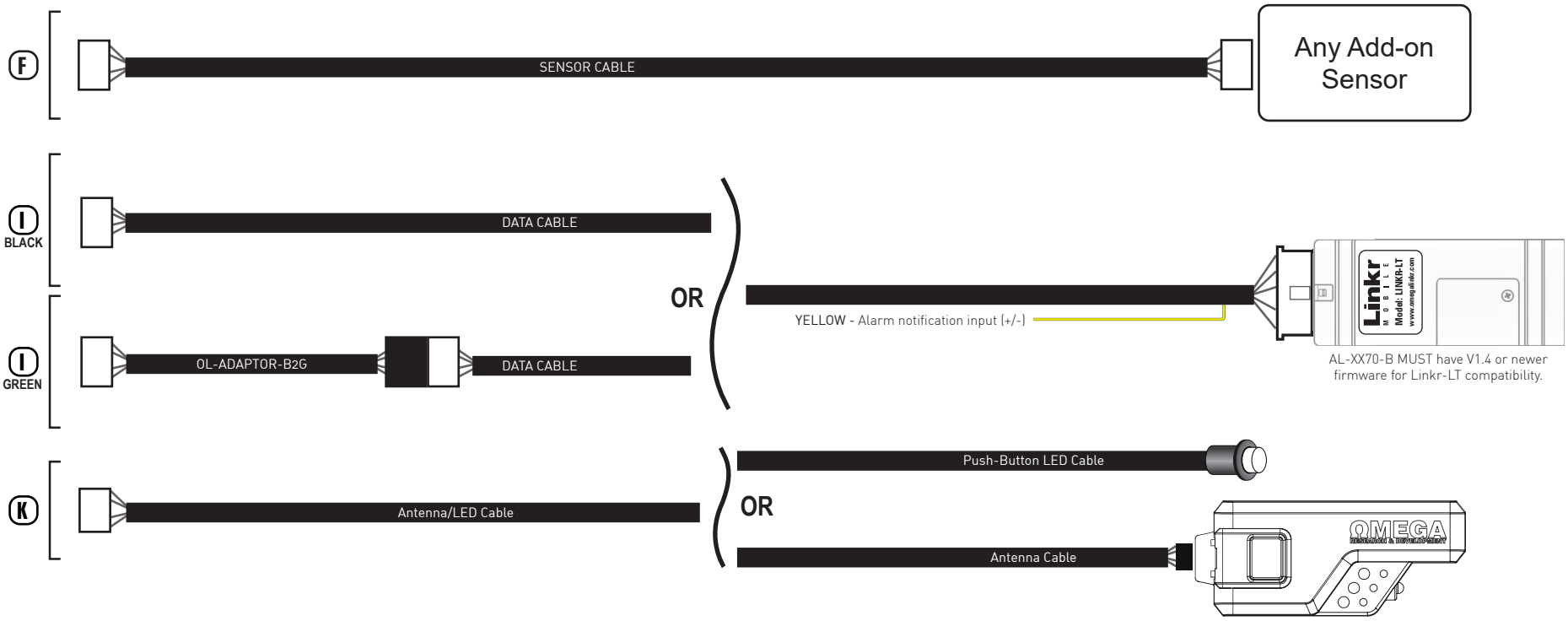
MODEL: OL-HRN-RS-MA3

AL-XX70-B Diagram #3



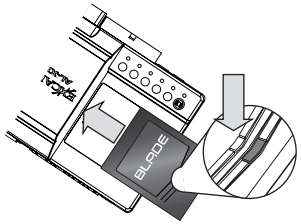
MODEL: OL-HRN-RS-MA3

AL-XX70-B Optional Accessories



MODEL: OL-HRN-RS-MA3

Blade Installation

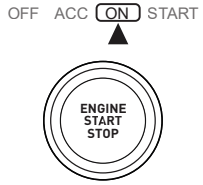


Slide Blade into unit.
Notice programming button under LED.

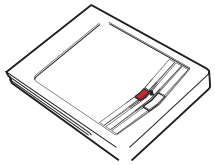
Ready for Blade Programming Procedure.

Blade Programming

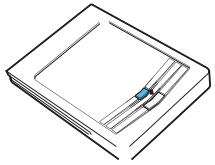
WARNING: Hood, Doors, Trunk/Hatch must be closed prior to remote start sequence.

1 

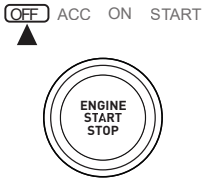
Push the start button twice (2x) to the ON position.

2 

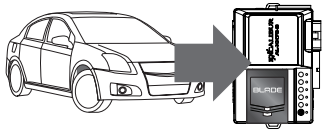
Wait, LED will turn solid RED to confirm the ignition is ON.

3 

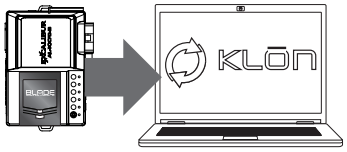
Wait 10 seconds, the LED will flash BLUE rapidly.

4 

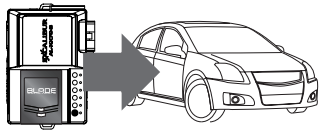
Push the start button once (1x) to the OFF position.

5 

WARNING:
Disconnect power last
Disconnect remote start from vehicle.

6 

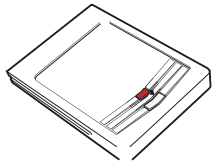
Connect remote start to computer and proceed with extended programming.

7 

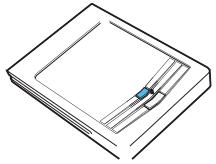
WARNING: Do not press Blade programming button.
Connect power first.
Connect all other remote start connectors

8

Push the start button twice (2x) to the ON position.

9 

Wait, LED will turn solid RED to confirm the ignition is ON.

10 

Wait, the LED will turn solid BLUE for 2 seconds.

> **!** If the vehicle is equipped with power liftgate, open and close the power liftgate with the OEM keyfob

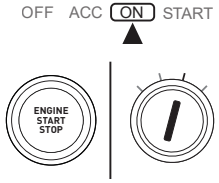
11 Proceed to AL-XX70-B Programming/Vehicle Learn.

MODEL: OL-HRN-RS-MA3

AL-XX70-B Programming/Vehicle Learn V1.6 (see installation guide for older versions)

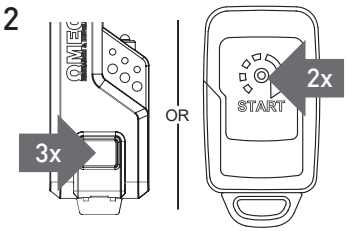
Before You Begin:
- Make sure all wires/harnesses are connected.
- Program the BLADE to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

1



Turn ignition to ON position (do not start).

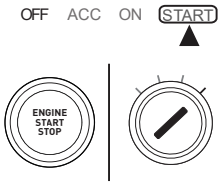
2



Within 5 seconds of step 1 press the Valet button 3x or send remote start command (by remote, Linkr, activation input wire etc.).

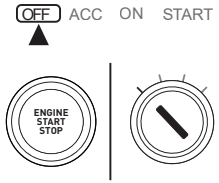
- The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 sec)
- Press valet button to change crank delay
- Chirps: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec

3



Start the engine with the key and let the engine reach normal idle.

4



MANUAL TRANSMISSIONS:
Release the parking brake.

AUTOMATIC TRANSMISSIONS:
Turn the ignition key OFF.

- The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).

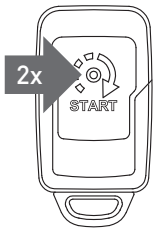
MANUAL - Proceed to step 5.
AUTOMATIC - Skip to step 6.

5

MANUAL TRANSMISSIONS:
Set the parking brake again to enter Manual Transmission Reservation Mode option selection. (installer feature #11)

- The system will chirp & flash the light to indicate current setting (default: 2 - Off)
- Set and Release the parking brake to scrool through setting options.
- Chirp confirmation: 1 = **ON** - Shutdown w/ lock, 2 = **OFF**, 3 = **ON** - Shutdown w/ door close, 4 = **ON** - Shutdown 10 sec. after door close
- Before turning the key OFF, perform the MT reservation sequence (see operation guide) and exit the vehicle.

6



Activate remote start (within 60 sec. of Step 4 or 5). Wait until engine is running and LED flashes slowly (10-45 seconds after engine cranks & runs).
Push-to-Start vehicles: Ensure the OEM fob is at least 20 ft. away to allow remote start.

- The system will detect data protocols, select the best available engine running detection method, and, learn any avaialble tach input (data or analog).

7

TO SAVE SETTINGS/FINISH VEHICLE LEARN:
Press the BRAKE pedal (will shut down RS).

- This disables VEHICLE LEARN (to enable again, program installer feature #2 (bank 10) to "Enabled".

TO CANCEL/START OVER:
Press the valet button once.

8

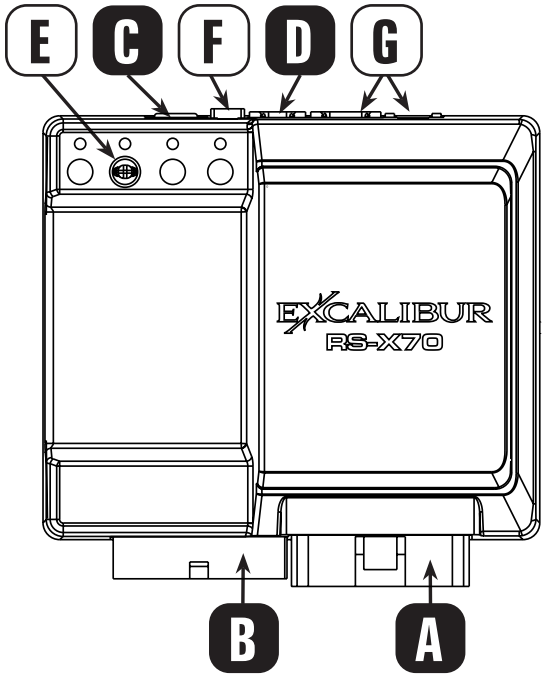
Programming complete.

TroubleShooting

- See system installation guide for remote start diagnostics and troubleshooting.
- See OmegaLink module/firmware guide at www.wiresheet.com for interface module diagnostics and troubleshooting.

MODEL: OL-HRN-RS-MA3

RS-X70 Layout



A **WHITE 6 PIN HIGH CURRENT POWER HARNESS** (P/N: H-RS6E*)

B **WHITE 14 PIN MAIN INPUT/OUTPUT HARNESS** (P/N: H-RS14A)

C **RED 3 PIN DOOR LOCK/UNLOCK HARNESS** (P/N: DLP-N3)

D **RED 3 PIN REMOTE START HARNESS** (P/N: RS-OUTPUT)

E **TEMPERATURE SENSOR** - DO NOT COVER
(For high/low temp auto start and for automatic low temp crank extender)

F **ANTENNA / STATUS LIGHT / VALET PORT** - Supports compatible plug-in antennas or push-button status light
(P/N: AU-LED-PB2)

G **GREEN & BLACK DATA PORTS** - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module.
(DBI & iDatalink protocols supported on both ports - see 'Vehicle Learn' or installer feature #12)

RS-X70 Installation Steps

INSTALLATION STEPS:

1) Go to www.OmegaWeblink.com or use WebLink Mobile to flash the bypass module with the firmware matching the vehicle.
   NOTE: iDatalink 2-way protocol is recommended for full functionality.
   NOTE: If OEM remote is being used to activate the remote start be sure "Factory keyless RS sequence" is set to "Lock + Lock + Lock" OR "Lock + Unlock + Lock"
2) Make all the connections shown in the diagram on the following pages.
3) Connect any optional hardware as needed.
4) Select Data Mode and program the bypass module to the vehicle (see module programming instructions).
5) Perform Vehicle Learn to configure the remote start to match the vehicle.
   NOTE: If Vehicle Learn is not performed remote start operation could fail.
6) Test the system for all desired functions.

NOTE: Any features NOT supported by the interface module must be hard wired from the remote start to the vehicle. Refer to the remote start install guide and vehicle wiring info at www.wiresheet.com (only available for authorized dealers) for instructions.

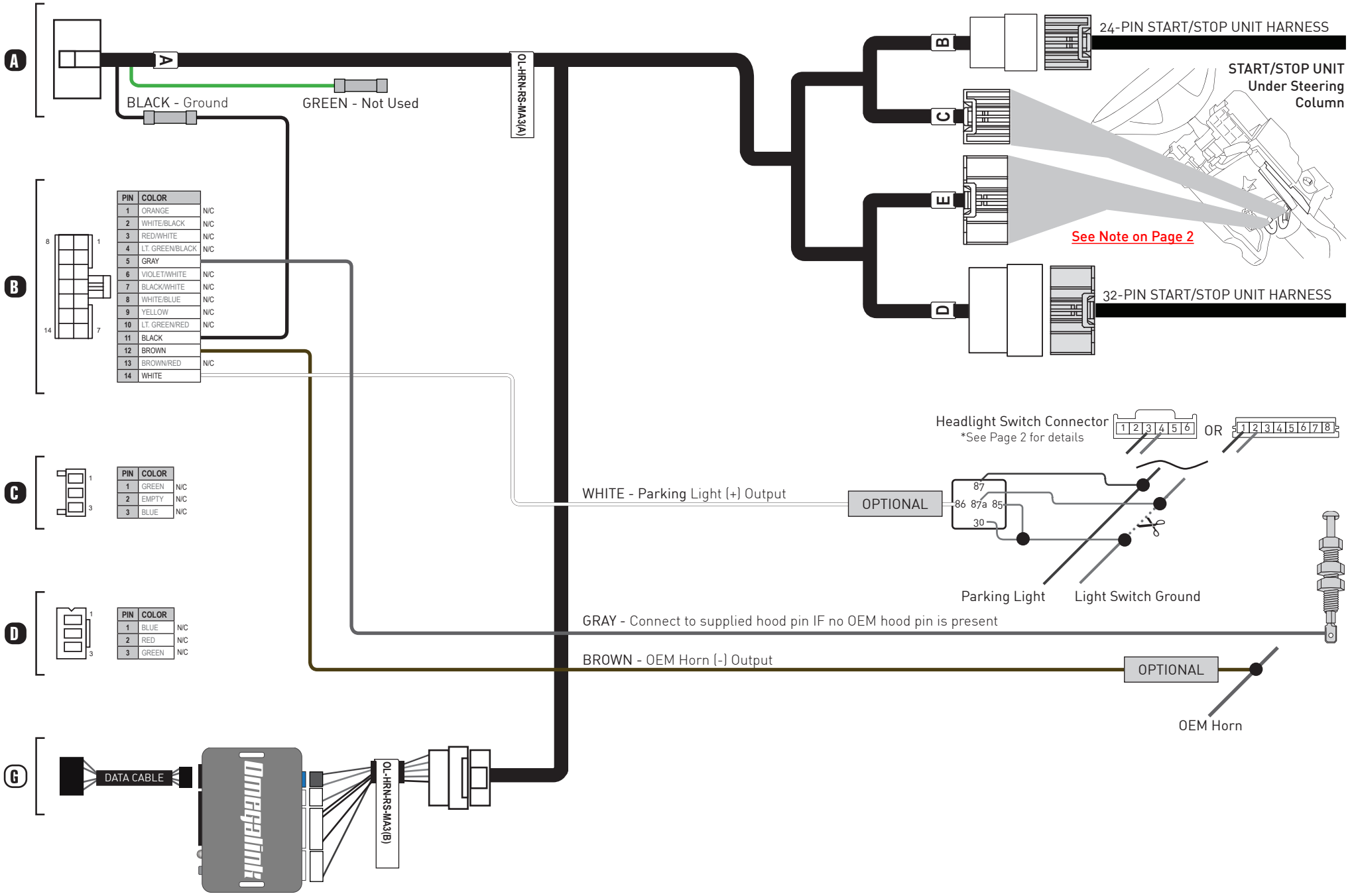
MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	3	Push-to-Start Hatchback Automatic	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	3	Push-to-Start Sedan Automatic	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	6	Push-to-Start Automatic	2014 - 2020	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	6	Push-to-Start Automatic	2021 - 2021	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
Mazda	CX-3	Push-to-Start Automatic	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PINK	(-)	Clock Spring Connector
Mazda	CX-5	Push-to-Start Automatic	2013 - 2020	Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
				Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
Mazda	CX-5	Push-to-Start Automatic	2021 - 2023	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
Mazda	CX-9	Push-to-Start Automatic	2016 - 2023	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	WHITE/BLACK	(-)	Clock Spring Connector
Mazda	MX-5	Push-to-Start Automatic	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	In Headlight Switch Housing
				Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PINK	(-)	Clock Spring Connector

MODEL: OL-HRN-RS-MA3

RS-X70 Diagram #1



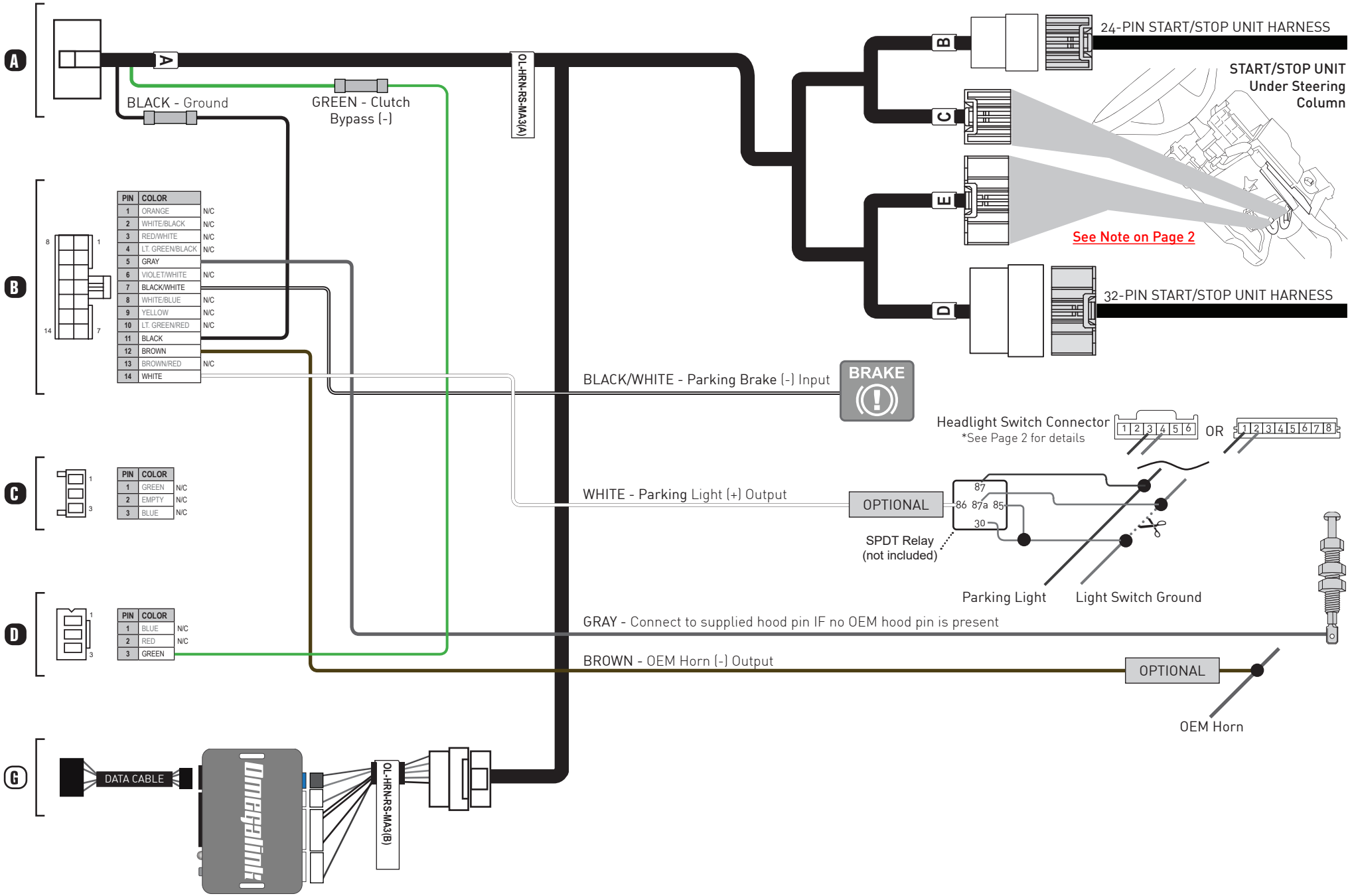
MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	3	Push-to-Start Hatchback Manual	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	(-)	Base of Parking Brake
Mazda	3	Push-to-Start Sedan Manual	2014 - 2018	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	(-)	Base of Parking Brake
Mazda	6	Push-to-Start Manual	2014 - 2015	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	1	1	LT.. GREEN/RED	(-)	Parking Brake Switch
Mazda	6	Push-to-Start Manual	2016-2017	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	12	12	LT. GREEN/RED	(-)	Parking Brake Switch
Mazda	6	Push-to-Start Manual	2018-2019	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	BLUE	(-)	Clock Spring Connector
				Parking Brake	White	12	12	GRAY	(-)	Parking Brake Switch
Mazda	CX-5	Push-to-Start Manual	2013 - 2019	Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
				Horn	White	14	1	PURPLE	(-)	Clock Spring Connector
				Parking Brake	Covered Via Data					

MODEL: OL-HRN-RS-MA3

RS-X70 Diagram #2

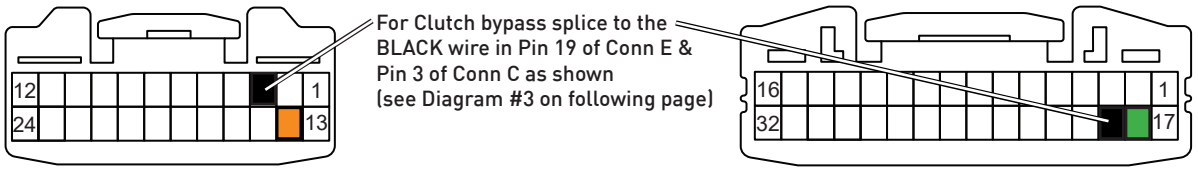


MODEL: OL-HRN-RS-MA3

Wire Location Chart Diagram #3

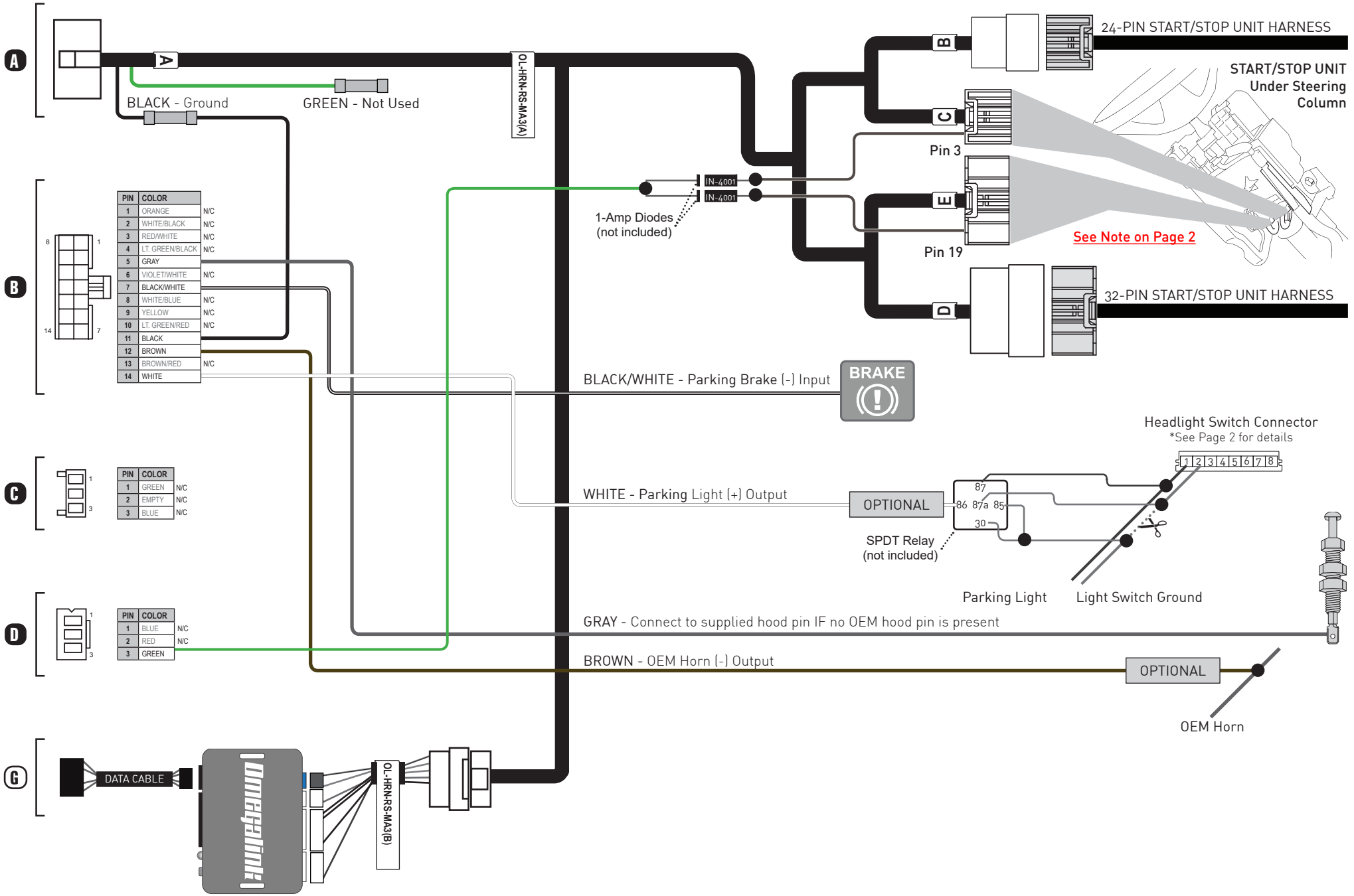
Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Mazda	MX-5	Push-to-Start Manual	2016 - 2022	Parking Lights	White	8	1	BLUE	(-)	Headlight Switch
				Light Switch Ground	White	8	2	BLACK	(-)	Headlight Switch
				Horn	White	14	1	PINK	(-)	Clock Spring Connector
				Parking Brake	White	1	1	RED/BLACK	(-)	Base of Parking Brake

Harness Modification for Diagram #3 Installations



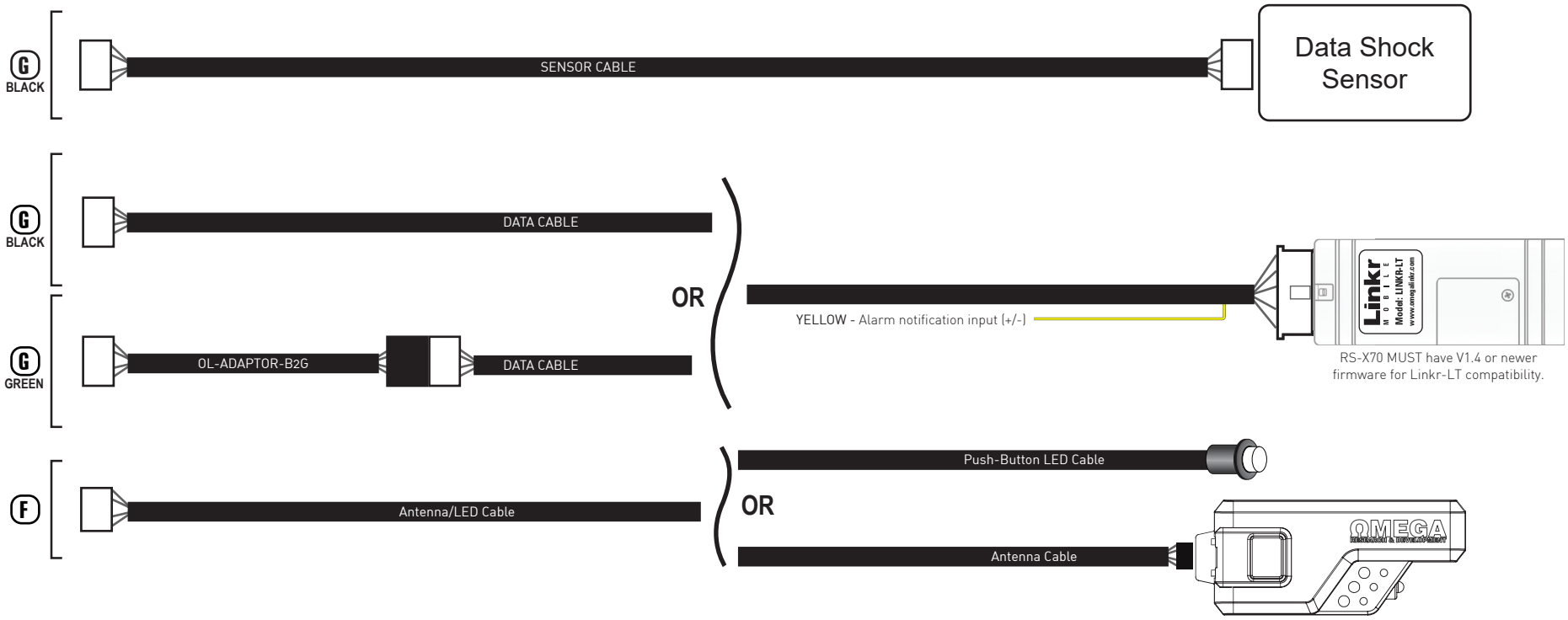
MODEL: OL-HRN-RS-MA3

RS-X70 Diagram #3



MODEL: OL-HRN-RS-MA3

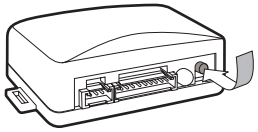
RS-X70 Optional Accessories



MODEL: OL-HRN-RS-MA3

Installation Mode Selection

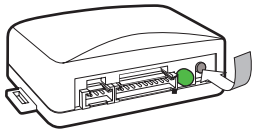
1



Press and release programming button to select installation mode.

LED flashes (1x) once = Data Mode (Recommended)
LED flashes (2x) twice = Hardwire Mode

2



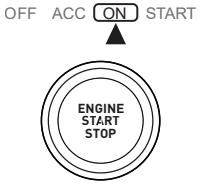
Press and hold programming button until LED turns solid GREEN to register selection.

! After registration, follow Factory Reset to change installation mode and restart this process.

Module Programming

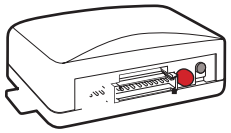
WARNING: Hood, Doors, Trunk/Hatch must be closed prior to remote start sequence.

1



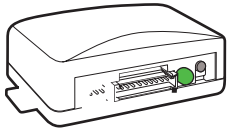
Push the start button twice (2x) to the ON position.

2



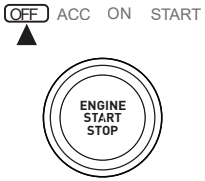
Wait, LED will turn solid RED to confirm the ignition is ON.

3



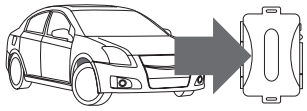
Wait 10 seconds, the LED will flash GREEN rapidly.

4



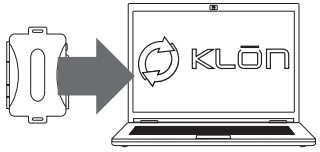
Push the start button once (1x) to the OFF position.

5



WARNING:
Disconnect power last
Disconnect module from vehicle.

6

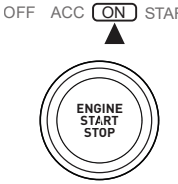


Connect module to computer and proceed with extended programming.

7

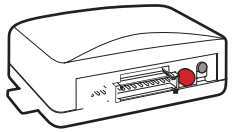
WARNING: Do not press module programming button.
Connect power first.
Connect all other module connectors

8



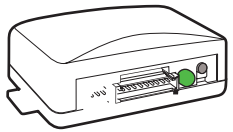
Push the start button twice (2x) to the ON position.

9



Wait, LED will turn solid RED to confirm the ignition is ON.

10



Wait, the LED will turn solid GREEN for 2 seconds.

! If the vehicle is equipped with power liftgate, open and close the power liftgate with the OEM keyfob

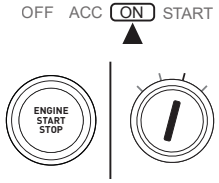
11 Proceed to AL-XX70-B Programming/Vehicle Learn.

MODEL: OL-HRN-RS-MA3

RS-X70 Programming/Vehicle Learn V1.6 (see installation guide for older versions)

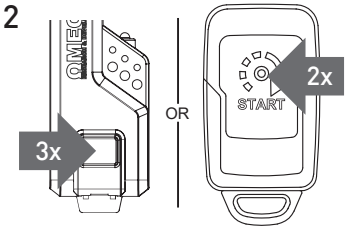
Before You Begin:
- Make sure all wires/harnesses are connected.
- Program the bypass module to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

1



Turn ignition to ON position (do not start).

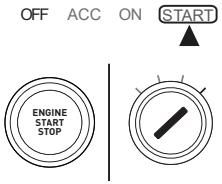
2



Within 5 seconds of step 1 press the Valet button 3x or send remote start command (by remote, Linkr, activation input wire etc.).

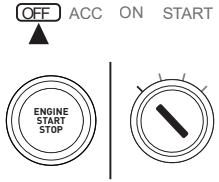
- The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 sec)
- Press valet button to change crank delay
- Chirps: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec

3



Start the engine with the key and let the engine reach normal idle.

4



MANUAL TRANSMISSIONS:
Release the parking brake.

AUTOMATIC TRANSMISSIONS:
Turn the ignition key OFF.

- The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).

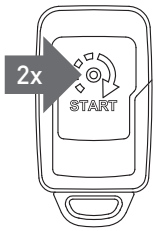
MANUAL - Proceed to step 5.
AUTOMATIC - Skip to step 6.

5

MANUAL TRANSMISSIONS:
Set the parking brake again to enter Manual Transmission Reservation Mode option selection. (installer feature #11)

- The system will chirp & flash the light to indicate current setting (default: 2 - Off)
- Set and Release the parking brake to scrool through setting options.
- Chirp confirmation: 1 = **ON** - Shutdown w/ lock, 2 = **OFF**, 3 = **ON** - Shutdown w/ door close, 4 = **ON** - Shutdown 10 sec. after door close
- Before turning the key OFF, perform the MT reservation sequence (see operation guide) and exit the vehicle.

6



Activate remote start (within 60 sec. of Step 4 or 5). Wait until engine is running and LED flashes slowly (10-45 seconds after engine cranks & runs).
Push-to-Start vehicles: Ensure the OEM fob is at least 20 ft. away to allow remote start.

- The system will detect data protocols, select the best available engine running detection method, and, learn any avaialble tach input (data or analog).

7

TO SAVE SETTINGS/FINISH VEHICLE LEARN:
Press the BRAKE pedal (will shut down RS).

- This disables VEHICLE LEARN (to enable again, program installer feature #2 (bank 10) to "Enabled".

TO CANCEL/START OVER:
Press the valet button once.

8

Programming complete.

TroubleShooting

- See system installation guide for remote start diagnostics and troubleshooting.
- See OmegaLink module/firmware guide at www.wiresheet.com for interface module diagnostics and troubleshooting.