MODEL: OL-HRN-RS-HA6

MODEL
OL-HRN-RS-HA6

GUIDE ID
HA6_AL-XX70-B_RS-X70_20230602

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 2-9
For RS-X70 installations see pages 10-17

Make	Model	Trim	Years	Firmware	Diagram
Acura	RLX	Push-to-Start Automatic	2014 - 2015	DL-HA6	1
Honda	Accord	Push-to-Start Hybrid Automatic	2013 - 2017	DL-HA6	1
Honda	Accord	Push-to-Start Automatic	2013 - 2017	DL-HA6	1
Honda	Accord	Push-to-Start Manual	2013 - 2017	DL-HA6	2
Honda	Accord Crosstour	Push-to-Start Automatic	2013 - 2015	DL-HA6	1
Honda	Civic	Push-to-Start Automatic	2014 - 2015	DL-HA6	1
Honda	Civic	Push-to-Start Manual	2014 - 2015	DL-HA6	2
Honda	CR-V	Push-to-Start Automatic	2015 - 2016	DL-HA6	1

MODEL: OL-HRN-RS-HA6

AL-XX70-B Layout
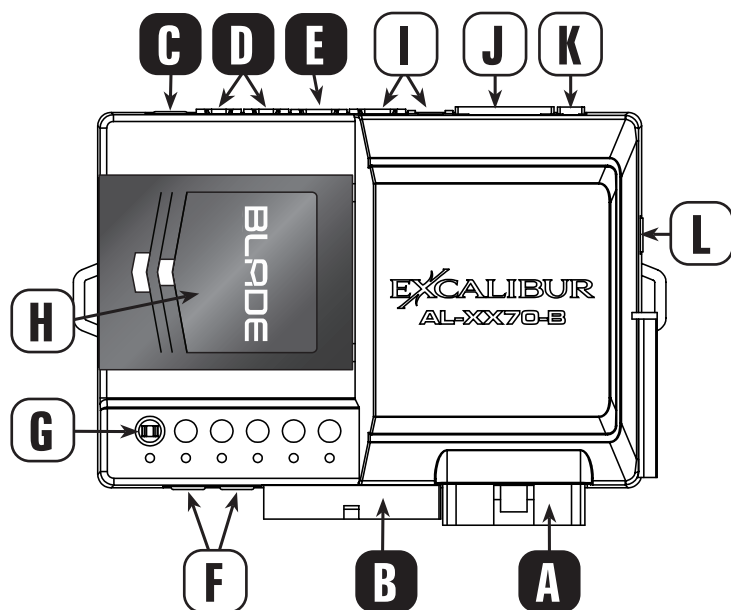
A — WHITE 6 PIN HIGH CURRENT POWER HARNESS (P/N: H-RS6E*)

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 - <u>DO NOT COVER</u>
(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!

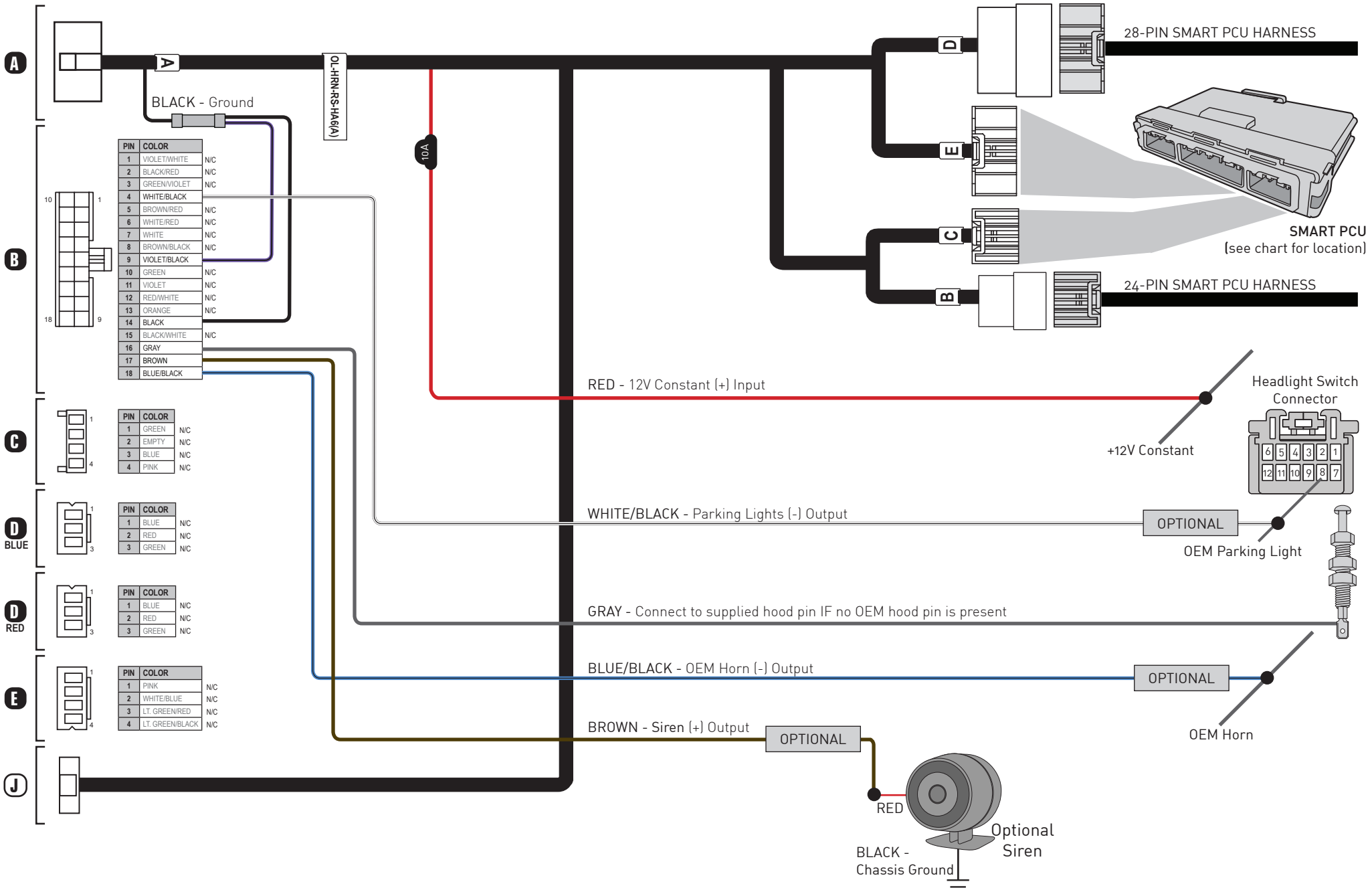## AL-XX70-B Installation Steps

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-HA6

Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Acura	RLX	Push-to-Start Automatic	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	YELLOW or RED	(+)	Power Relay Box Left Of Steering Column
				Parking Lights	BLUE	12	8	PINK	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE	-	Under Steering Column
Honda	Accord	Push-to-Start Hybrid Automatic	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
Honda	Accord	Push-to-Start Automatic	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
Honda	Accord Crosstour	Push-to-Start Automatic	2013 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN or WHITE	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT.BLUE	-	Under Steering Column
Honda	Civic	Push-to-Start Automatic	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Right Side Of Steering Column
				12V Constant	WHITE	2	2	RED	(+)	Dash Fuse Box
				Parking Lights	WHITE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE or PINK	-	Under Steering Column
Honda	CR-V	Push-to-Start Automatic	2015 - 2016	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Behind Glove Compartment
				12V Constant	WHITE	2	1	WHITE	(+)	Power Relay Box Behind Glove Compartment
				Parking Lights	GRAY	12	8	BLUE	-	Headlight Switch
				Horn	BLUE	20	2	TAN or VIOLET	-	Under Steering Column

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EXCALIBUR
REMOTE START T-HARNESSES

INSTALL GUIDE

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MODEL: OL-HRN-RS-HA6

GUIDE ID: HA6_AL-XX70-B_RS-X70_20230602

AL-XX70-B Diagram #1

A

OL-HRN-RS-HA6(A)

BLACK - Ground

10A

B

PIN	COLOR	
1	VIOLET/WHITE	N/C
2	BLACK/RED	N/C
3	GREEN/VIOLET	N/C
4	WHITE/BLACK	
5	BROWN/RED	N/C
6	WHITE/RED	N/C
7	WHITE	N/C
8	BROWN/BLACK	N/C
9	VIOLET/BLACK	
10	GREEN	N/C
11	VIOLET	N/C
12	RED/WHITE	N/C
13	ORANGE	N/C
14	BLACK	
15	BLACK/WHITE	N/C
16	GRAY	
17	BROWN	
18	BLUE/BLACK	

28-PIN SMART PCU HARNESS

D

E

C

B

24-PIN SMART PCU HARNESS

SMART PCU
(see chart for location)

C

PIN	COLOR	
1	GREEN	N/C
2	EMPTY	N/C
3	BLUE	N/C
4	PINK	N/C

RED - 12V Constant (+) Input

+12V Constant

Headlight Switch Connector

6 5 4 3 2 1
12 11 10 9 8 7

D BLUE

PIN	COLOR	
1	BLUE	N/C
2	RED	N/C
3	GREEN	N/C

WHITE/BLACK - Parking Lights (-) Output

OPTIONAL

OEM Parking Light

D RED

PIN	COLOR	
1	BLUE	N/C
2	RED	N/C
3	GREEN	N/C

GRAY - Connect to supplied hood pin IF no OEM hood pin is present

E

PIN	COLOR	
1	PINK	N/C
2	WHITE/BLUE	N/C
3	LT. GREEN/RED	N/C
4	LT. GREEN/BLACK	N/C

BLUE/BLACK - OEM Horn (-) Output

OPTIONAL

OEM Horn

BROWN - Siren (+) Output

OPTIONAL

J

RED

BLACK - Chassis Ground

Optional Siren

MODEL: OL-HRN-RS-HA6

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Honda	Accord	Push-to-Start Manual	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
				Parking Brake	TAN	28	19	LT. GREEN	-	Keyless Access Control Unit
				Clutch Bypass	-	2	2	BROWN	-	Clutch Switch
Honda	Civic	Push-to-Start Manual	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Right Side Of Steering Column
				12V Constant	WHITE	2	2	RED	(+)	Dash Fuse Box
				Parking Lights	WHITE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE or PINK	-	Under Steering Column
				Parking Brake	-	1	1	LT. GREEN	-	Parking Brake Switch
				Clutch Bypass	WHITE	16	13	ORANGE	-	Dash Fuse Box

MODEL: OL-HRN-RS-HA6

AL-XX70-B Diagram #2

A

OL-HRN-RS-HA6(A)

BLACK - Ground

B

PIN	COLOR	
1	VIOLET/WHITE	N/C
2	BLACK/RED	N/C
3	GREEN/VIOLET	N/C
4	WHITE/BLACK	
5	BROWN/RED	N/C
6	WHITE/RED	N/C
7	WHITE	N/C
8	BROWN/BLACK	N/C
9	VIOLET/BLACK	
10	GREEN	N/C
11	VIOLET	N/C
12	RED/WHITE	N/C
13	ORANGE	N/C
14	BLACK	
15	BLACK/WHITE	
16	GRAY	
17	BROWN	
18	BLUE/BLACK	

10A

C

PIN	COLOR	
1	GREEN	N/C
2	EMPTY	N/C
3	BLUE	N/C
4	PINK	N/C

D BLUE

PIN	COLOR	
1	BLUE	
2	RED	N/C
3	GREEN	N/C

D RED

PIN	COLOR	
1	BLUE	N/C
2	RED	N/C
3	GREEN	N/C

E

PIN	COLOR	
1	PINK	N/C
2	WHITE/BLUE	N/C
3	LT. GREEN/RED	N/C
4	LT. GREEN/BLACK	N/C

J

28-PIN SMART PCU HARNESS

D

E

C

B

24-PIN SMART PCU HARNESS

SMART PCU
(see chart for location)

RED - 12V Constant (+) Input

+12V Constant

Headlight Switch Connector

6 5 4 3 2 1
12 11 10 9 8 7

WHITE/BLACK - Parking Lights (-) Output

OPTIONAL

OEM Parking Light

BLACK/WHITE - Parking Brake (-) Input

BRAKE (!) Parking Brake

GRAY - Connect to supplied hood pin IF no OEM hood pin is present

BLUE/BLACK - OEM Horn (-) Output

OPTIONAL

OEM Horn

BLUE - Clutch Bypass (-) Output

BROWN - Siren (+) Output

OPTIONAL

RED

BLACK - Chassis Ground

Optional Siren

Clutch Bypass

MODEL: OL-HRN-RS-HA6

AL-XX70-B Optional Accessories

(F) SENSOR CABLE — Any Add-on Sensor

(I) BLACK DATA CABLE

OR

(I) GREEN OL-ADAPTOR-B2G — DATA CABLE

YELLOW - Alarm notification input (+/-)

Model: LINKR-LT — Linkr MOBILE — www.omegalink.com

AL-XX70-B MUST have V1.4 or newer firmware for Linkr-LT compatibility.

(K) Antenna/LED Cable

OR

Push-Button LED Cable

Antenna Cable

OMEGA RESEARCH & DEVELOPMENT

MODEL: OL-HRN-RS-HA6
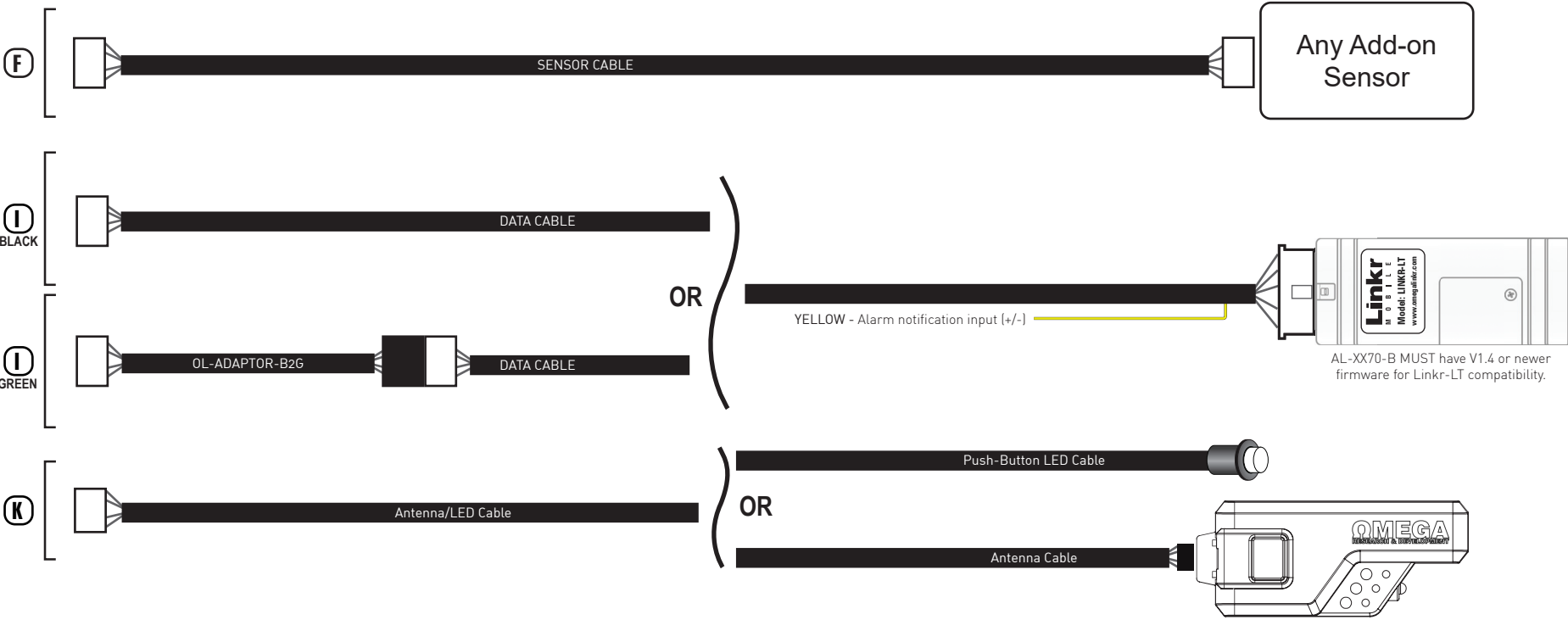
Blade Installation
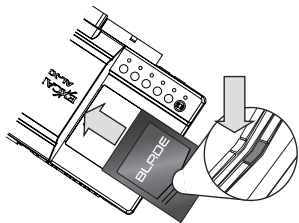
Slide Blade into unit.
Notice programming button under LED.

Ready for Blade Programming Procedure.

Blade Programming
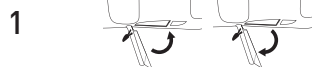
1 Close and re-open the driver door to wake up the data bus.

2 OFF ACC **ON** START
Turn ignition to ON position.
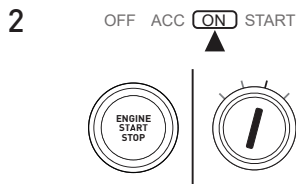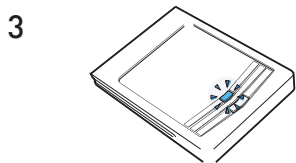
3 Wait, LED will Flash BLUE rapidly.

4 **OFF** ACC ON START
Turn ignition to OFF position.
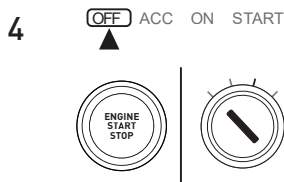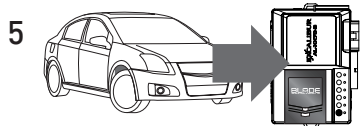
5 WARNING:
Disconnect power last
Disconnect remote start from vehicle.
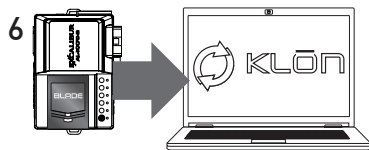
6 Connect remote start to computer and proceed with extended programming.
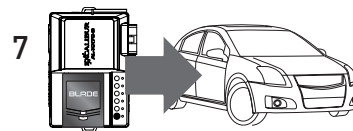
7 WARNING: Do not press Blade programming button.
Connect power first.
Connect all other remote start connectors

8 OFF ACC **ON** START
Turn ignition to ON position.
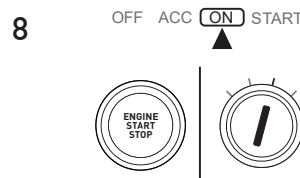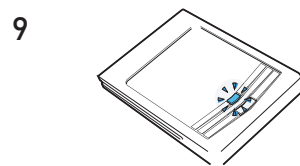
9 Wait, LED will turn solid BLUE for 2 seconds.

10 **OFF** ACC ON START
Turn ignition to OFF position.
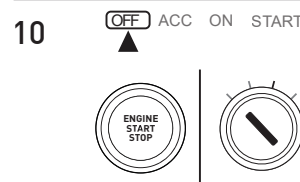
11 x1
Press UNLOCK on the OEM remote.

! If the vehicle is equipped with power liftgate, open and close the power liftgate with the OEM keyfob
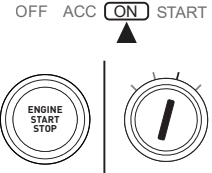
12 Proceed to AL-XX70-B Programming/Vehicle Learn.

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EXCALIBUR REMOTE START T-HARNESSES
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MODEL: OL-HRN-RS-HA6

GUIDE ID: HA6_AL-XX70-B_RS-X70_20230602

AL-XX70-B Programming/Vehicle Learn V1.6 (see installation guide for older versions)
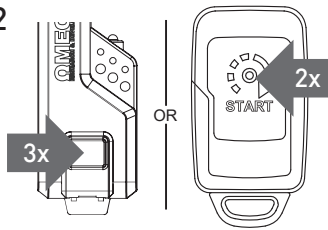
Before You Begin:
- Make sure all wires/harnesses are connected.
- Program the BLADE to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

1 OFF ACC **ON** START

Turn ignition to ON position (do not start).

2 3x / 2x START OR

Within 5 seconds of step 1 press the Valet button 3x or send remote start command (by remote, Linkr, activation input wire etc.).
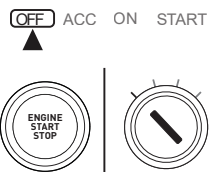
- The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 sec)
- Press valet button to change crank delay
- Chirps: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec

3 OFF ACC ON **START**

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

4 **OFF** ACC ON START

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.
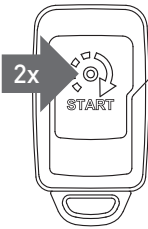**AUTOMATIC** - Skip to step 6.

5 BRAKE (!)

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.
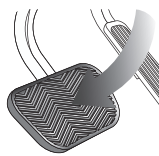
6 2x START

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:
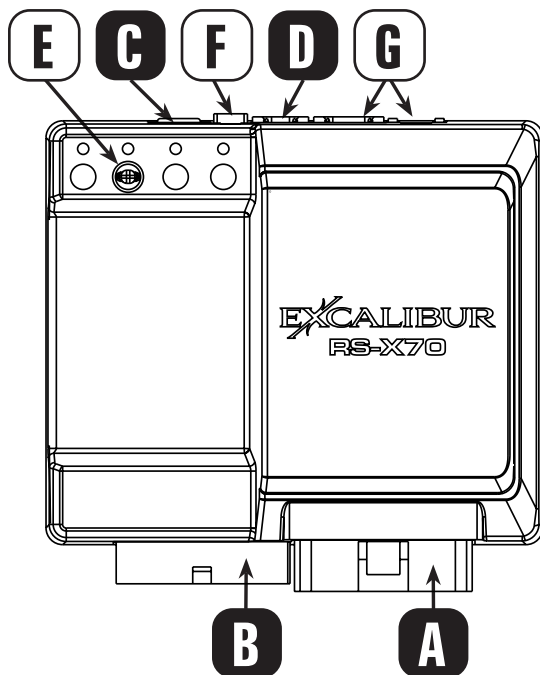Press the valet button once.

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-HA6

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)
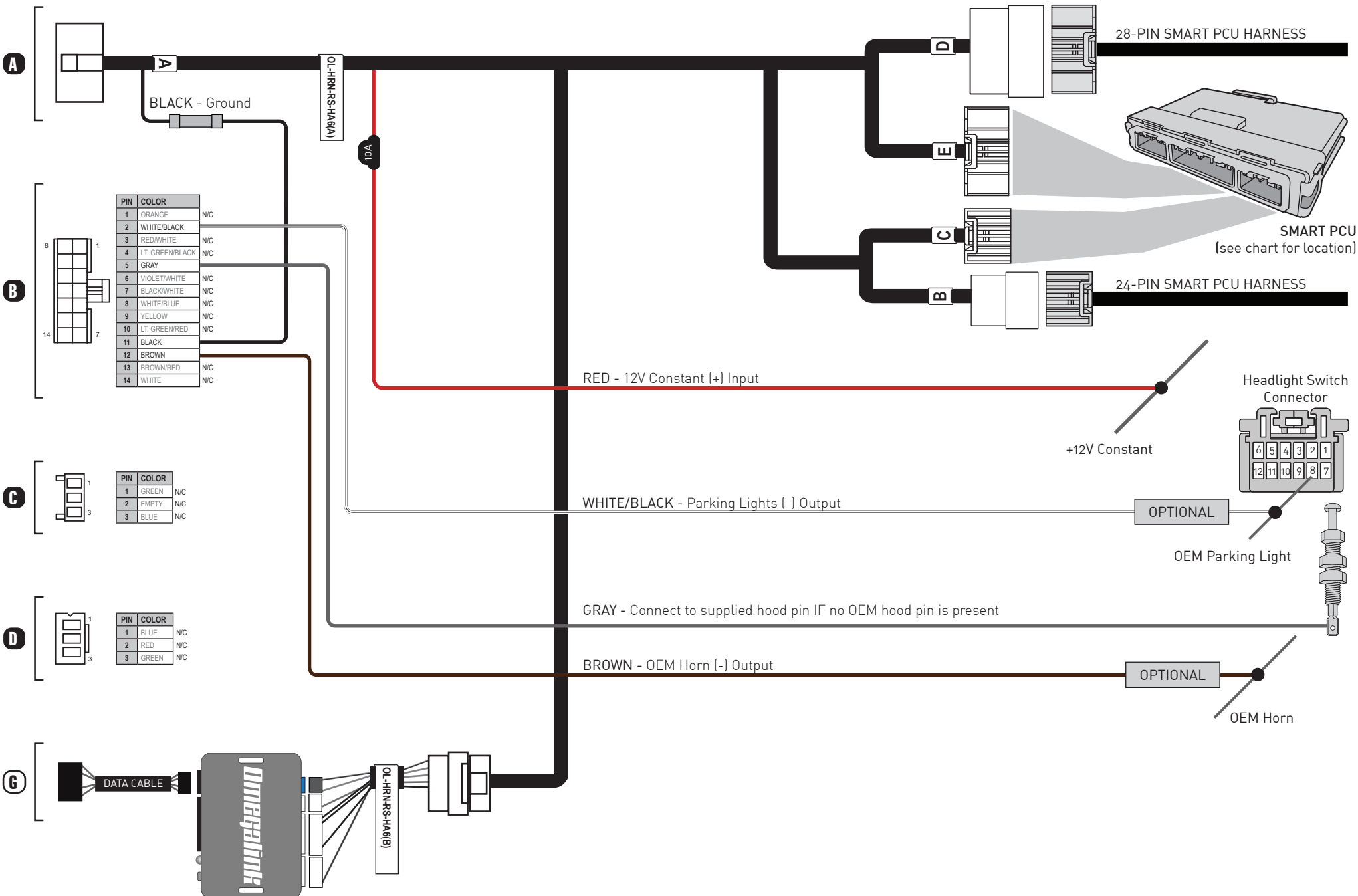
RS-X70 Installation Steps

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-HA6

Wire Location Chart Diagram #1

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Acura	RLX	Push-to-Start Automatic	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	YELLOW or RED	(+)	Power Relay Box Left Of Steering Column
				Parking Lights	BLUE	12	8	PINK	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE	-	Under Steering Column
Honda	Accord	Push-to-Start Hybrid Automatic	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
Honda	Accord	Push-to-Start Automatic	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
Honda	Accord Crosstour	Push-to-Start Automatic	2013 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Side Of Steering Column
				12V Constant	WHITE	2	2	GREEN or WHITE	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT.BLUE	-	Under Steering Column
Honda	Civic	Push-to-Start Automatic	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Right Side Of Steering Column
				12V Constant	WHITE	2	2	RED	(+)	Dash Fuse Box
				Parking Lights	WHITE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE or PINK	-	Under Steering Column
Honda	CR-V	Push-to-Start Automatic	2015 - 2016	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Behind Glove Compartment
				12V Constant	WHITE	2	1	WHITE	(+)	Power Relay Box Behind Glove Compartment
				Parking Lights	GRAY	12	8	BLUE	-	Headlight Switch
				Horn	BLUE	20	2	TAN or VIOLET	-	Under Steering Column

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EXCALIBUR
REMOTE START T-HARNESSES

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MODEL: OL-HRN-RS-HA6

GUIDE ID: HA6_AL-XX70-B_RS-X70_20230602

RS-X70 Diagram #1

A — OL-HRN-RS-HA6(A)

BLACK - Ground

10A

28-PIN SMART PCU HARNESS

D

E

C

SMART PCU
(see chart for location)

B — **24-PIN SMART PCU HARNESS**

B

PIN	COLOR	
1	ORANGE	N/C
2	WHITE/BLACK	
3	RED/WHITE	N/C
4	LT. GREEN/BLACK	N/C
5	GRAY	
6	VIOLET/WHITE	N/C
7	BLACK/WHITE	N/C
8	WHITE/BLUE	N/C
9	YELLOW	N/C
10	LT. GREEN/RED	N/C
11	BLACK	
12	BROWN	
13	BROWN/RED	N/C
14	WHITE	N/C

RED - 12V Constant (+) Input

+12V Constant

Headlight Switch Connector

C

PIN	COLOR	
1	GREEN	N/C
2	EMPTY	N/C
3	BLUE	N/C

WHITE/BLACK - Parking Lights (-) Output

OPTIONAL

OEM Parking Light

D

PIN	COLOR	
1	BLUE	N/C
2	RED	N/C
3	GREEN	N/C

GRAY - Connect to supplied hood pin IF no OEM hood pin is present

BROWN - OEM Horn (-) Output

OPTIONAL

OEM Horn

G

DATA CABLE

OL-HRN-RS-HA6(B)

OMEGALINK

EXCALIBUR
REMOTE START T-HARNESSES

INSTALL GUIDE

MODEL: OL-HRN-RS-HA6

Wire Location Chart Diagram #2

Make	Model	Trim	Year	Item	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
Honda	Accord	Push-to-Start Manual	2013 - 2017	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Left Of Steering Column
				12V Constant	WHITE	2	2	GREEN	(+)	Fuse Box
				Parking Lights	BLUE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	LT. BLUE	-	Under Steering Column
				Parking Brake	TAN	28	19	LT. GREEN	-	Keyless Access Control Unit
				Clutch Bypass	-	2	2	BROWN	-	Clutch Switch
Honda	Civic	Push-to-Start Manual	2014 - 2015	Smart PCU	-	24 Pin & 28 Pin	-	-	-	Right Side Of Steering Column
				12V Constant	WHITE	2	2	RED	(+)	Dash Fuse Box
				Parking Lights	WHITE	12	8	GRAY	-	Headlight Switch
				Horn	BLUE	20	2	ORANGE or PINK	-	Under Steering Column
				Parking Brake	-	1	1	LT. GREEN	-	Parking Brake Switch
				Clutch Bypass	WHITE	16	13	ORANGE	-	Dash Fuse Box

MODEL: OL-HRN-RS-HA6

RS-X70 Diagram #2

A

BLACK - Ground

OL-HRN-RS-HA6(A)

10A

B

PIN	COLOR	
1	ORANGE	N/C
2	WHITE/BLACK	
3	RED/WHITE	N/C
4	LT. GREEN/BLACK	N/C
5	GRAY	
6	VIOLET/WHITE	N/C
7	BLACK/WHITE	
8	WHITE/BLUE	N/C
9	YELLOW	N/C
10	LT. GREEN/RED	N/C
11	BLACK	
12	BROWN	
13	BROWN/RED	N/C
14	WHITE	N/C

C

PIN	COLOR	
1	GREEN	N/C
2	EMPTY	N/C
3	BLUE	N/C

D

PIN	COLOR	
1	BLUE	
2	RED	N/C
3	GREEN	N/C

G

DATA CABLE

OL-HRN-RS-HA6(B)

28-PIN SMART PCU HARNESS

D

E

C

SMART PCU
(see chart for location)

B

24-PIN SMART PCU HARNESS

RED - 12V Constant (+) Input

+12V Constant

Headlight Switch
Connector

6 5 4 3 2 1
12 11 10 9 8 7

WHITE/BLACK - Parking Lights (-) Output

OPTIONAL

OEM Parking Light

GRAY - Connect to supplied hood pin IF no OEM hood pin is present

BROWN - OEM Horn (-) Output

OPTIONAL

OEM Horn

BLACK/WHITE - Parking Brake (-) Input

BRAKE ((!)) Parking Brake

BLUE - Clutch Bypass (-) Output

Clutch Bypass

GUIDE ID: HA6_AL-XX70-B_RS-X70_20230602

MODEL: OL-HRN-RS-HA6

RS-X70 Optional Accessories

G BLACK
SENSOR CABLE

Data Shock Sensor

G BLACK
DATA CABLE

OR

YELLOW - Alarm notification input (+/-)

Linkr MOBILE
Model: LINKR-LT
www.omegalink.com

RS-X70 MUST have V1.4 or newer firmware for Linkr-LT compatibility.

G GREEN
OL-ADAPTOR-B2G | DATA CABLE

F
Antenna/LED Cable

OR

Push-Button LED Cable

Antenna Cable

OMEGA RESEARCH & DEVELOPMENT

Omegalink

EXCALIBUR
REMOTE START T-HARNESSES

INSTALL GUIDE

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MODEL: OL-HRN-RS-HA6

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

1 Close and re-open the driver door to wake up the data bus.

2 OFF ACC [ON] START
Turn ignition to ON position.

3 Wait, LED will Flash GREEN rapidly.

4 [OFF] ACC ON START
Turn ignition to OFF position.

5 WARNING:
Disconnect power last
Disconnect module from vehicle.

6 Connect module to computer and proceed with extended programming.
KLŌN

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

8 OFF ACC [ON] START
Turn ignition to ON position.

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

10 [OFF] ACC ON START
Turn ignition to OFF position.

11 Press UNLOCK on the OEM remote.
x1

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

12 Proceed to RS-X70 Programming/Vehicle Learn.

MODEL: OL-HRN-RS-HA6

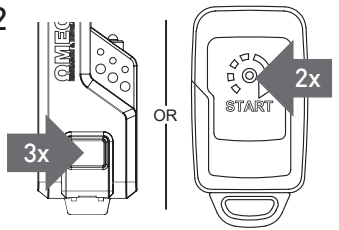## RS-X70 Programming/Vehicle Learn V1.6 (see installation guide for older versions)
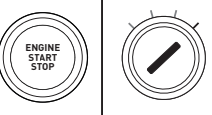
Before You Begin:
- Make sure all wires/harnesses are connected.
- Program the bypass module to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake. The BLACK/WHITE wire must be connected to the parking brake wire.

1 OFF ACC (ON) START

Turn ignition to ON position (do not start).

2 3x OR 2x

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 OFF ACC ON (START)

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

4 (OFF) ACC ON START

MANUAL TRANSMISSIONS:
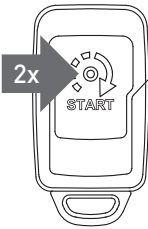Release the parking brake.

AUTOMATIC TRANSMISSIONS:
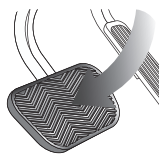Turn the ignition key OFF.

- 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 BRAKE

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 2x

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.