INSTALLATION GUIDE

Directed Digital Solutions

HONDA4

This product is intended for installation by a professional installer only! Attempts to install this product by a person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

2016-12-19

DIRECTED®

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Warning! Safety first

⚠ The following safety warnings must be observed at all times:

- Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer.
- When properly installed, this system can start the vehicle via a command signal from the remote control. Therefore, never operate the system in an area that does not have adequate ventilation.

The following precautions are the sole responsibility of the user; however, authorized Directed dealers should:

- Never use a test light or logic probe when installing this unit. Always use a multimeter.
- Never operate the system in an enclosed or partially enclosed area without ventilation (such as a garage).
- When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote controls to assure that the system does not unintentionally remote start the vehicle.
- USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST REMAIN CLOSED AT ALL TIMES.

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. Except when performing the Safety Check outlined in this installation guide, (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user is responsible for having the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed dealer in accordance with the Safety Check outlined in this product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the user to fix the problem immediately.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. IMMEDIATELY CEASE THE USE OF THE UNIT AND REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

Remote starters for manual transmission pose significant risks if not properly installed and operated. When testing to ensure the installation is working properly, only remote start the vehicle in neutral gear, on a flat surface and with a functional, fully engaged parking brake. Do not allow anyone to stand in front of or behind the vehicle.

This product should not be installed in any convertible vehicles, soft or hard top with a manual transmission. Installation in such vehicles may pose certain risk.

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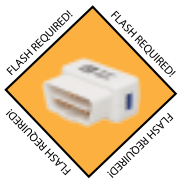
Introduction

The HONDA4 firmware for Directed Digital Solutions is a complete solution for remote start, security (if applicable), bypass interface, and convenience needs compatible with specific ACURA and HONDA vehicles.

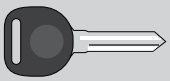


Warning! This module can only be programmed via the web tool, which can be found on www.directechs.com or using the Directechs Mobile application for smartphones. Features and functions will become accessible when you connect the module using the XKLoader.

Pre-installation and application warnings

Start here

Firmware notes: This section highlights important information for this specific firmware and will assist in pricing accordingly, as well as bringing awareness to any operational or vehicle limitations.

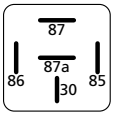
T-Harness compatible			Keys required for programming	1	Keys required for operation	0
	Yes [X] – THHOC5 & THHOC6					

- The optional Plug & Play **THHOC5** & **THHOC6** T-Harnesses are sold separately.
- The OBDII Diagnostic Connector features will remain the same even when the T-Harness is installed.
- Key2GO may be required if the interface does not program using the traditional method. Refer to "Module programming" on page 34 for more information.
- All connectors are displayed from the wire side (unless specified otherwise).
- Refer to the "Vehicle wiring reference chart" following each installation type.

General notes: This section highlights important information for this specific firmware.

[1] The installation of an aftermarket hood pin is **only** required on vehicles that are **not** equipped with a factory hood pin.
[2] The siren is **only** compatible with hybrid systems.
[3] Connect this wire **only** if the Trunk Release feature is not supported in data. See the **Vehicle application guide** for more information on supported features.
[4] The Green wire is only required for starter disable and antigrind connections.

Additional parts required (maximum required):

0 x 1A Diodes	0 x Relay	0 x Resistor	0 x Fuse
			

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Vehicle application guide

The following table lists the vehicles and features which are compatible with this product. The number assigned to each year allows you to determine which installation type should be used for your vehicle.

Vehicles	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	PK-Immobilizer Bypass-Data No Key Req'd	DL-Arm Factory Security	DL-Disarm Factory Security	DL-Door Lock Control	DL-Door Unlock	DL-Driver Priority Unlock	DL-Sliding Door Control Driver	DL-Sliding Door Control Passenger	DL-Trunk / Hatch Release	FOB-Control of aftermarket alarm with OEM remote	RS-3x LOCK START (Start control using OEM Remote)	RS-Tach / RPM Output	SS-Entry Monitoring ALL Door Pins	SS-Entry Monitoring Driver Door Pin	SS-Entry Monitoring Hood Pin	SS-Entry Monitoring Trunk/Hatch Pin	ST-Brake Status (foot brake)	ST-E-Brake Status
Acura																																		
CSX						2	2	2	2	2	2						•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
EL												3	3	3	3	3	•	•	•	•	•				•									
MDX				2	2	2	2	2	2	2							•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
MDX											4	4	4	4			•																	
RDX					2	2	2	2	2	2							•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
RL					5	5	5	5	5	5	5	5					•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
RSX											3	3	3	3	3		•	•	•	•	•				•									
TL									1	1	1	1	1				•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
TSX									1	1	1	1	1				•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Honda	**16**	**15**	**14**	**13**	**12**	**11**	**10**	**09**	**08**	**07**	**06**	**05**	**04**	**03**	**02**	**01**																		
Accord										1	1	1	1	1			•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Accord Hybrid										1	1	1					•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Civic						2	2	2	2	2	2						•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Civic												3	3	3	3	3	•	•	•	•	•				•									
Civic Hybrid							2	2	2	2	2						•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Civic Hybrid												3	3	3			•	•	•	•	•				•									
CR-V						2	2	2	2	2							•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
CR-V											3	3	3	3	3		•	•	•	•	•				•									
CR-Z	2	2	2	2	2	2											•	•	•	•	•	•				•	•	•	•	•	•	•	•	•
Element						3	3	3	3	3	3	3	3	3			•	•	•	•	•				•									
Fit			2	2	2	2	2	2									•	•	•	•	•	•				•	•	•	•	•	•	•	•	•
Fit									4	4							•																	
Insight							2										•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•
Odyssey							1	1	1	1	1	1					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pilot									6	6	6	6					•	•	•	•	•				•									
Ridgeline			1	1	1	1	1	1	1	1	1						•	•	•	•	•	•				•	•	•	•	•	•	•	•	•

Legend:

AV: Horn & Light Controls
CC: Comfort & Convenience Controls
DL: OE Door Lock & Alarm Controls
FOB: Sync CAN Interface w/ FOB Remote
PK: Transponder & Immobilizer Override
RS: Remote Start & Engine Controls
SS: Integrated Security & Monitoring
ST: Function/Feature Status

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Wiring connections

The wiring connections listed below are specific to this firmware.

Main power harness (H1), 12-pin thick gauge connector

Conn./Pin	Color	Description
H1/1	White	Relay 3 COM – (+) Parking Light Output [1]
H1/2	White/Brown	Relay 3 N.O. – (+) Parking Light Input [1]
H1/3	Brown/Red	Relay 2 N.O. – No Connection
H1/4	Yellow/Red	Relay 2 COM – OEM Security Light Interrupt (vehicle side)
H1/5	Orange/Red	Relay 2 N.C. – OEM Security Light Interrupt (connector side)
H1/6	Yellow	Relay 1 COM – OEM Security Ignition Interrupt (vehicle side) Input [1]
H1/7	White	Relay 3 COM – (+) Parking Light Output [1]
H1/8	White/Brown	Relay 3 N.O. – (+) Parking Light Input [1]
H1/9	Black	(-) Ground
H1/10	Red	(+) 12 Volt (Battery)
H1/11	Orange/Yellow	Relay 1 N.C. – OEM Security Ignition Interrupt (connector side) Input
H1/12	Brown	Relay 1 N.O. – (+) Power 12 Volt [1]

Auxiliary output harness (H2), 16-pin black connector

Conn./Pin	Color	Description
H2/1	Violet/Brown	No Connection
H2/2	Yellow/Black	Door Lock Data
H2/3	Orange/Black	Immobilizer Data
H2/4	Tan	HS CAN Low
H2/5	Tan/Black	HS CAN High
H2/6	Light Green	Single Wire CAN
H2/7	Orange/Green	No Connection
H2/8	Orange/Brown	No Connection
H2/9	Violet/Green	No Connection
H2/10	Green/Black	(-) Lock Output
H2/11	White/Violet	No Connection
H2/12	White/Red	No Connection
H2/13	Lt. Blue/Black	(-) Unlock Output
H2/14	Green/Red	No Connection [2]
H2/15	N/A	No Connection
H2/16	Violet/Yellow	No Connection

1. If these outputs are not used by the firmware, they can be configured by the installer when the module is flashed.
2. If these outputs are not used by the firmware, they can be configured by the installer when the module is flashed. Note that they are low current and a relay may be necessary.

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Analog harness (H3), 18-pin white connector

Conn./Pin	Color	Description
H3/1	Lt. Blue/Red	(-) Door Lock Activation Input
H3/2	Black/White	(-) Parking Brake Input (Manual Transmission) [2]
H3/3	Gray	(-) Hood Input [2]
H3/4	N/A	No Connection
H3/5	Gray/Black	(+) Glow Plug Input [2]
H3/6	Violet/White	(AC) Tach Input [2]
H3/7	Dark Blue	(-) Unlock Output [1]
H3/8	Brown/Black	(-) Horn [1]
H3/9	Red/White	(-) Trunk Release Output [1]
H3/10	White/Green	(-) Door Input [2]
H3/11	Yellow/Green	(+) Door Input [2]
H3/12	Blue/Red	No Connection
H3/13	Light Blue	(-) Trunk Trigger Input [2]
H3/14	Pink/Yellow	No Connection [1]
H3/15	Dark Green	(-) Lock Output
H3/16	Brown/White	(+) Brake Input [2]
H3/17	Brown	(+) Siren Output [1]
H3/18	Blue/White	(-) Ground When Running (Status) Output [1]

MC501 harness (H4), 8 thick-gauge wires (optional)

Conn./Pin	Color	Description
H4/1	Pink/White	(+) Ignition 2/Flex Relay Output 3
H4/2	Red/White	(+) Fused (30A) Ignition 2/Flex Relay Input
H4/3	Pink	(+) Ignition Output (Also Input to Yellow in Ribbon Cable)
H4/4	Red	(+) 12 Volt (Battery) Input
H4/5	Orange	(+) Accessory Output
H4/6	Red	(+) 12 Volt (Battery) Input
H4/7	Green	Starter Input (From Key Switch) 4
H4/8	Violet	(+) Starter Output (To Starter)

1. If these outputs are not used by the firmware, they can be configured by the installer when the module is flashed. Note that they are low current and a relay may be necessary.
2. These connections are only required if the corresponding statuses are not supported by the firmware. See "Vehicle wiring reference chart" on page 14 for a list of compatible features.
3. If these outputs are not used by the firmware, they can be configured by the installer when the module is flashed.
4. The Green wire is only required for starter kill and anti-grind applications.

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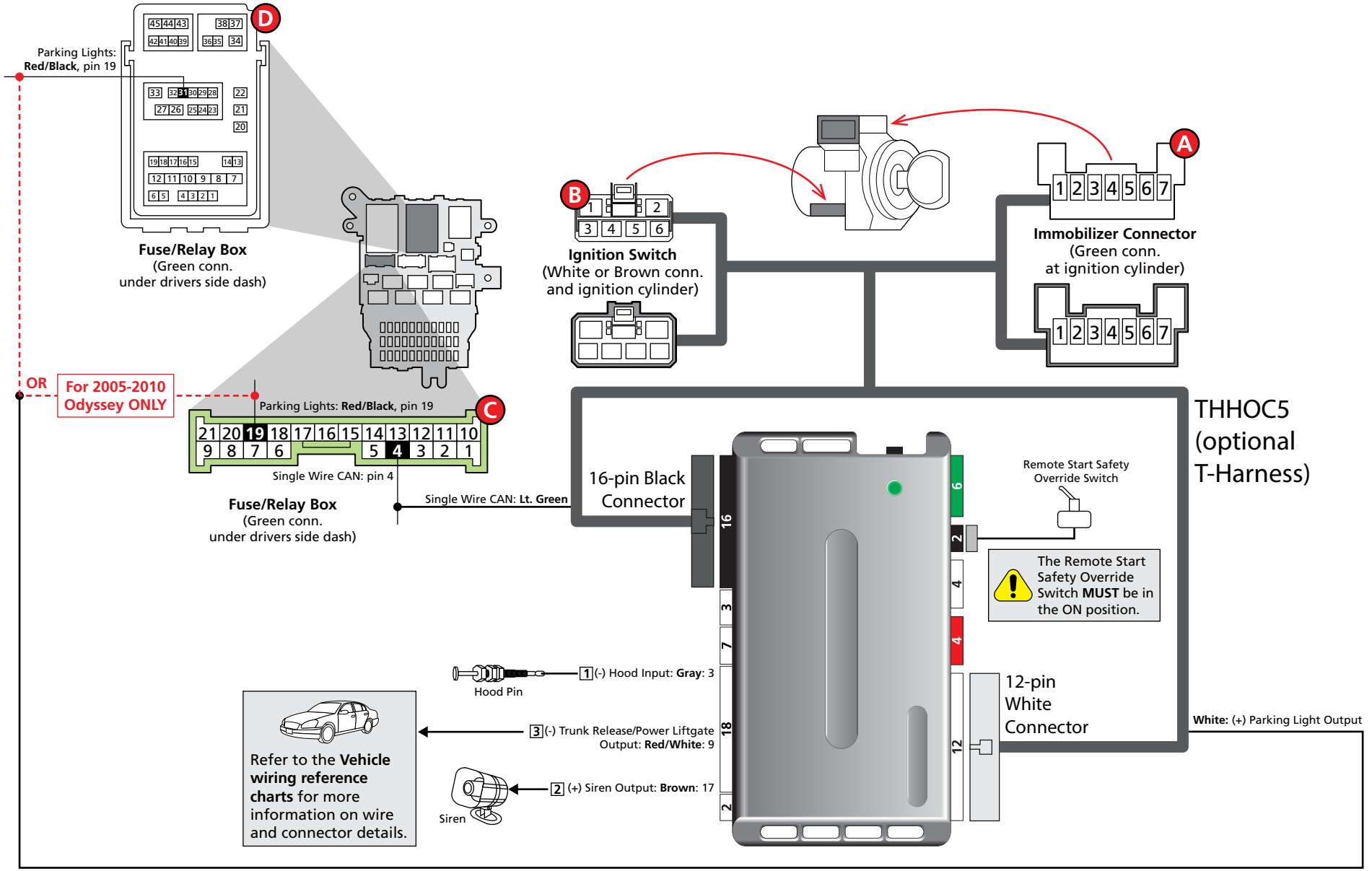
Installation (wiring diagrams & vehicle wiring reference charts)

Type 1 with T-Harness (THHOC5)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 10 for important information on this installation.



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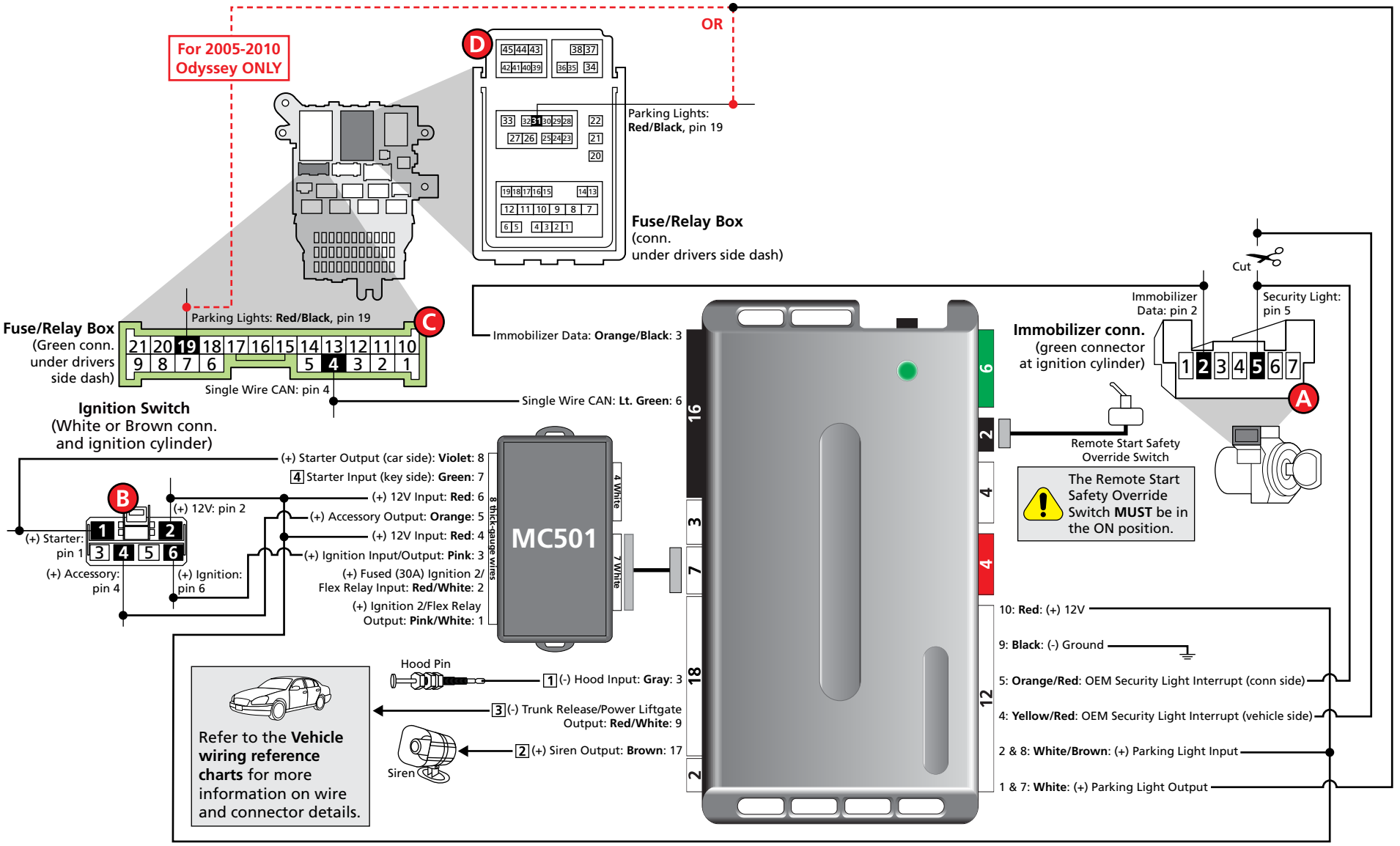
Type 1

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 10 for important information on this installation.



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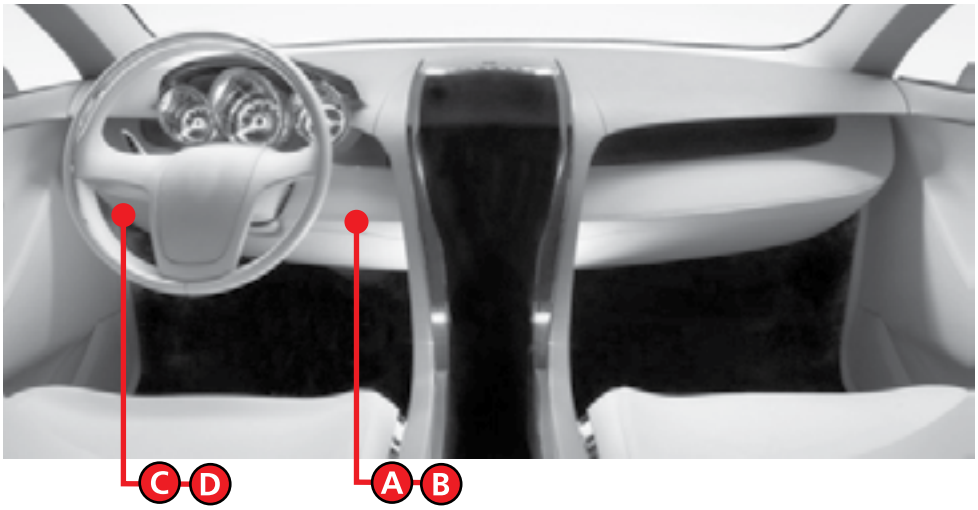
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura TL 2004-2006							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Black	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Yellow/Green	2	(+)	Trunk release switch.	Blue	5	N/A
Acura TL 2007-2008							
Immobilizer Data	Yellow	2	Data	Immobilizer connector.	Green	7	A
Security Light	Orange	5	Data	Immobilizer connector.	Green	7	A
12V	Brown/Black	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Black	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Yellow/Green	2	(+)	Trunk release switch.	Blue	5	N/A
Acura TSX 2004-2005							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Black	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Blue	11	(+)	Left side drivers fuse/relay box.	Green	30	N/A

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura TSX 2006-2008							
Immobilizer Data	Red	2	Data	Immobilizer connector.	Green	7	A
Security Light	Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Red	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Blue	11	(+)	Left side drivers fuse/relay box.	Green	30	N/A
Honda Accord 2003-2007							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Red	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Yellow/Green	N/A	5-wire	Harness from back of drivers fuse/relay box.	N/A	N/A	N/A
Honda Accord Hybrid 2005-2007							
Immobilizer Data	Yellow	2	Data	Immobilizer connector.	Green	7	A
Security Light	Red	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Brown/Red	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D
Trunk Release	Yellow/Green	N/A	5-wire	Harness from back of drivers fuse/relay box.	N/A	N/A	N/A
Honda Odyssey 2005-2010							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	Brown	7	B
SW CAN	Green/Red	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	19	(+)	Drivers fuse/relay box.	Green	21	C
Power Liftgate	White/Black and Yellow/Blue	2 & 1	Short	Power liftgate switch.	Green	5	N/A
Honda Ridgeline 2006-2014							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Data	Immobilizer connector.	Green	7	A
12V	White	2	(+)	Ignition switch.	White	7	B
Accessory	Yellow	4	(+)	Ignition switch.	White	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	White	7	B
Starter	Black/White or Black	1	(+)	Ignition switch.	White	7	B
SW CAN	Brown/Black	4	Data	Drivers fuse/relay box.	Green	21	C
Parking Lights	Red/Black	31	(+)	Drivers fuse/relay box.	White	45	D

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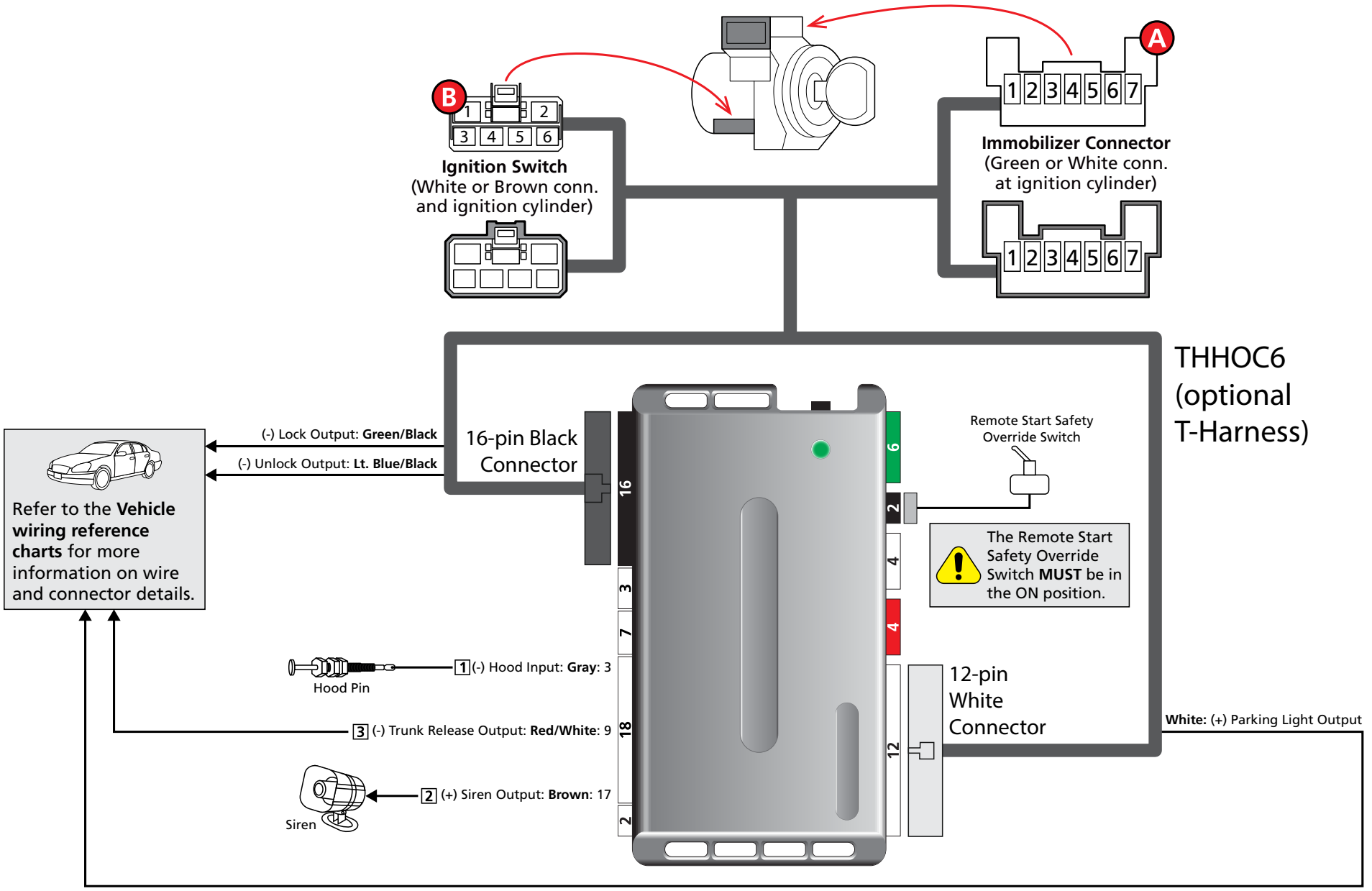
Type 2 with T-Harness (THHOC6)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 14 for important information on this installation.



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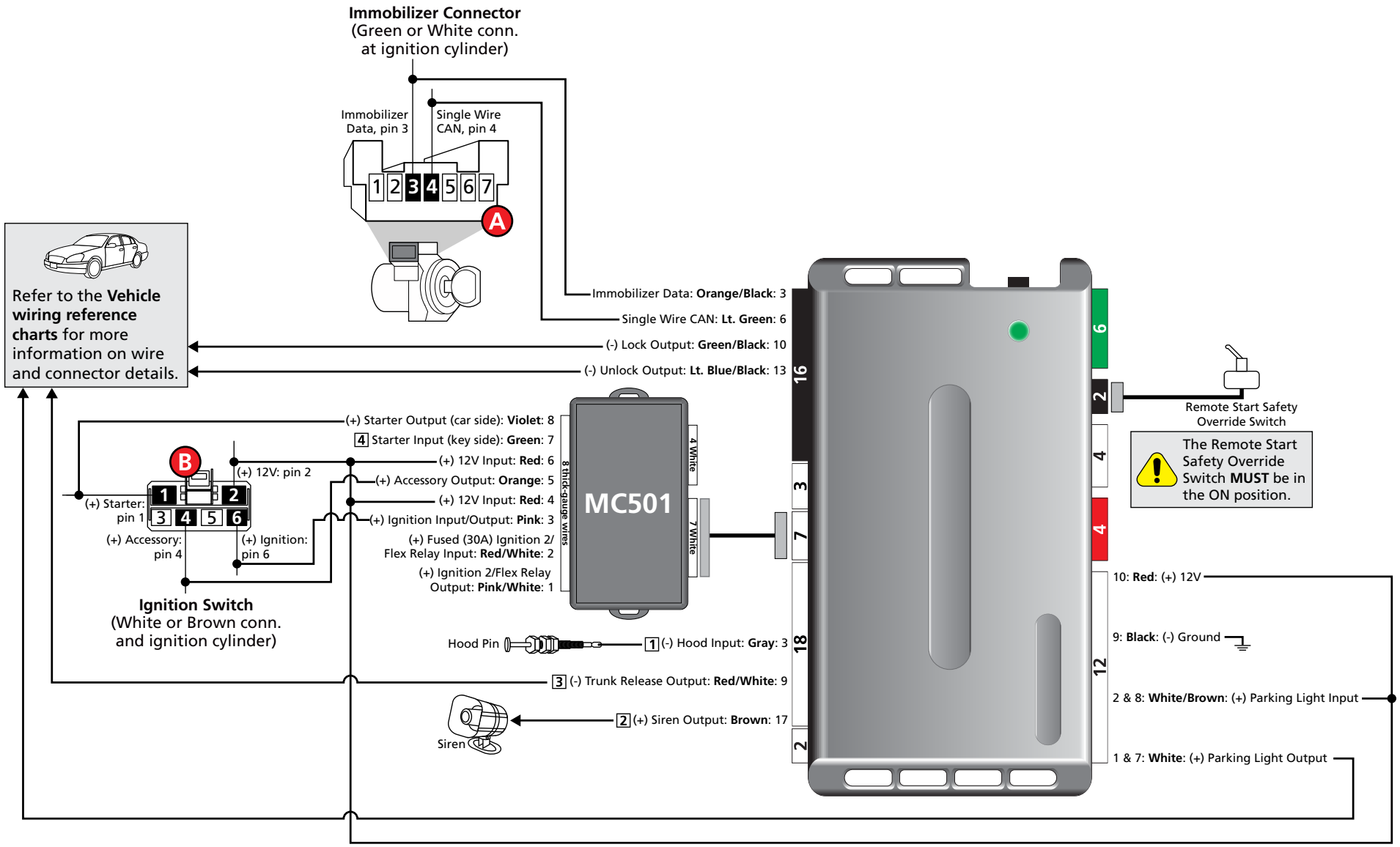
Type 2

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 14 for important information on this installation.



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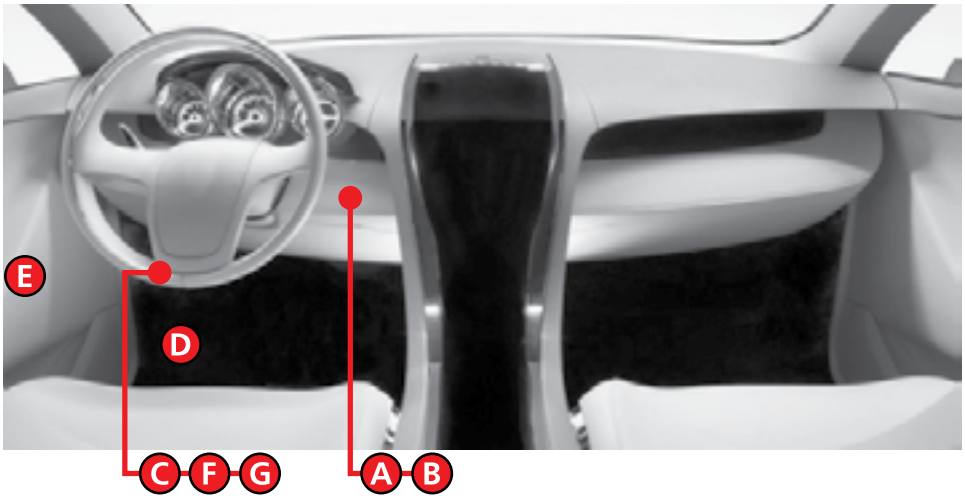
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura CSX 2006-2011							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	White	7	A
SW CAN	Lt. Green	4	Data	Immobilizer connector.	White	7	A
12V	Pink	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Blue	6	(+)	Ignition switch.	Brown	7	B
Starter	Yellow	1	(+)	Ignition switch.	Brown	7	B
Lock	Green	16	(-)	Above driver kick.	White	18	C
Unlock	Gray	12	(-)	Above driver kick.	White	18	C
Parking Lights	Gray	N/A	(+)	Driver kick, harness to rear.	N/A	N/A	D
Trunk Release	Green	N/A	(+)	Driver kick, harness to rear.	N/A	N/A	D
Acura MDX 2007-2013							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	Green	7	A
SW CAN	Lt. Green	4	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Pink	6	(+)	Ignition switch.	Brown	7	B
Starter	Yellow	1	(+)	Ignition switch.	Brown	7	B
Lock	Pink	4	(-)	Driver door lock switch.	Green	5	E
Unlock	Red	3	(-)	Driver door lock switch.	Green	5	E
Parking Lights	Gray	N/A	(+)	Driver kick, harness to rear.	N/A	N/A	D
Power Liftgate	Brown & White	18 & 6	Short	Drivers fuse/relay box.	Green	N/A	F

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura RDX 2007-2012							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	White	7	A
SW CAN	Pink	4	Data	Immobilizer connector.	White	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Blue	6	(+)	Ignition switch.	Brown	7	B
Starter	Lt. Green	2	(+)	Ignition switch.	Brown	7	B
Lock	Blue	5	(-)	Driver kick, door harness.	Blue	23	G
Unlock	Gray	22	(-)	Driver kick, door harness.	Blue	23	G
Parking Lights	Red	19	(+)	Drivers fuse/relay box.	Green	42	F
Trunk Release	Pink	13	(-)	Drivers fuse/relay box.	Green	42	F
Honda Civic 2006-2011							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	Gray	7	A
SW CAN	Pink	4	Data	Immobilizer connector.	Gray	7	A
12V	White	3	(+)	Ignition switch.	White	7	B
Accessory	Orange	4	(+)	Ignition switch.	White	7	B
Ignition	Blue	6	(+)	Ignition switch.	White	7	B
Starter	Yellow	1	(+)	Ignition switch.	White	7	B
Lock	Green or Blue	16	(-)	Driver kick, door harness.	White	18	G
Unlock	Gray	12	(-)	Driver kick, door harness.	White	18	G
Parking Lights	Gray	29	(+)	Drivers fuse/relay box.	Green	44	F
Trunk Release	Green	9	5-wire	Drivers fuse/relay box.	Green	44	F
Honda Civic Hybrid 2006-2010							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	White	7	A
SW CAN	Pink	4	Data	Immobilizer connector.	White	7	A
12V	White	3	(+)	Ignition switch.	White	7	B
Accessory	Orange	4	(+)	Ignition switch.	White	7	B
Ignition	Blue	6	(+)	Ignition switch.	White	7	B
Starter	Yellow	1	(+)	Ignition switch.	White	7	B
Lock	Green or Blue	16	(-)	Driver kick, door harness.	White	18	G
Unlock	Gray	12	(-)	Driver kick, door harness.	White	18	G
Parking Lights	Red	19	(+)	Drivers fuse/relay box.	Green	42	F
Trunk Release	Green	20	5-wire	Drivers fuse/relay box.	Green	42	F
Honda CRV 2007-2011							
Immobilizer Data	Green	3	Data	Immobilizer connector.	White	7	A
SW CAN	Pink	4	Data	Immobilizer connector.	White	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Blue	6	(+)	Ignition switch.	Brown	7	B
Starter	Yellow	1	(+)	Ignition switch.	Brown	7	B
Lock	Blue	16	(-)	Above driver kick.	Brown	18	G
Unlock	Gray	12	(-)	Above driver kick.	Brown	18	G
Parking Lights	Red	1	(+)	Above driver kick.	Blue	18	G
Trunk Release	White	13	(-)	Drivers fuse/relay box.	Green	42	F

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Honda CR-Z 2011-2016							
Immobilizer Data	Pink	3	Data	Immobilizer connector.	Green	7	A
SW CAN	Green	4	Data	Immobilizer connector.	Green	7	A
12V	White	1	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	7	(+)	Ignition switch.	Brown	7	B
Ignition	Yellow	5	(+)	Ignition switch.	Brown	7	B
Starter	Red	3	(+)	Ignition switch.	Brown	7	B
Lock	Green	11	(-)	Drivers fuse/relay box.	Green	12	F
Unlock	Lt. Green	6	(-)	Drivers fuse/relay box.	Green	12	F
Parking Lights	Red	37	(+)	Drivers fuse/relay box.	Green	49	F
Trunk Release	Pink	4	(-)	Drivers fuse/relay box.	Green	49	F
Honda Fit 2009-2014							
Immobilizer Data	Green	3	Data	Immobilizer connector.	Green	7	A
SW CAN	Lt. Green	4	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Red	1	(+)	Ignition switch.	Brown	7	B
Lock	Lt. Blue	8	(-)	Drivers fuse/relay box.	Green	12	F
Unlock	Gray	1	(-)	Drivers fuse/relay box.	Green	12	F
Parking Lights	Gray	42	(+)	Drivers fuse/relay box.	Green	49	F
Honda Insight 2010							
Immobilizer Data	Lt. Green	3	Data	Immobilizer connector.	Green	7	A
SW CAN	Green	4	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Red	1	(+)	Ignition switch.	Brown	7	B
Lock	Green	8	(-)	Drivers fuse/relay box.	Green	12	F
Unlock	White	1	(-)	Drivers fuse/relay box.	Green	12	F
Parking Lights	Gray	42	(+)	Drivers fuse/relay box.	Green	49	F
Trunk Release	Pink	17	(-)	Drivers fuse/relay box.	Green	49	F

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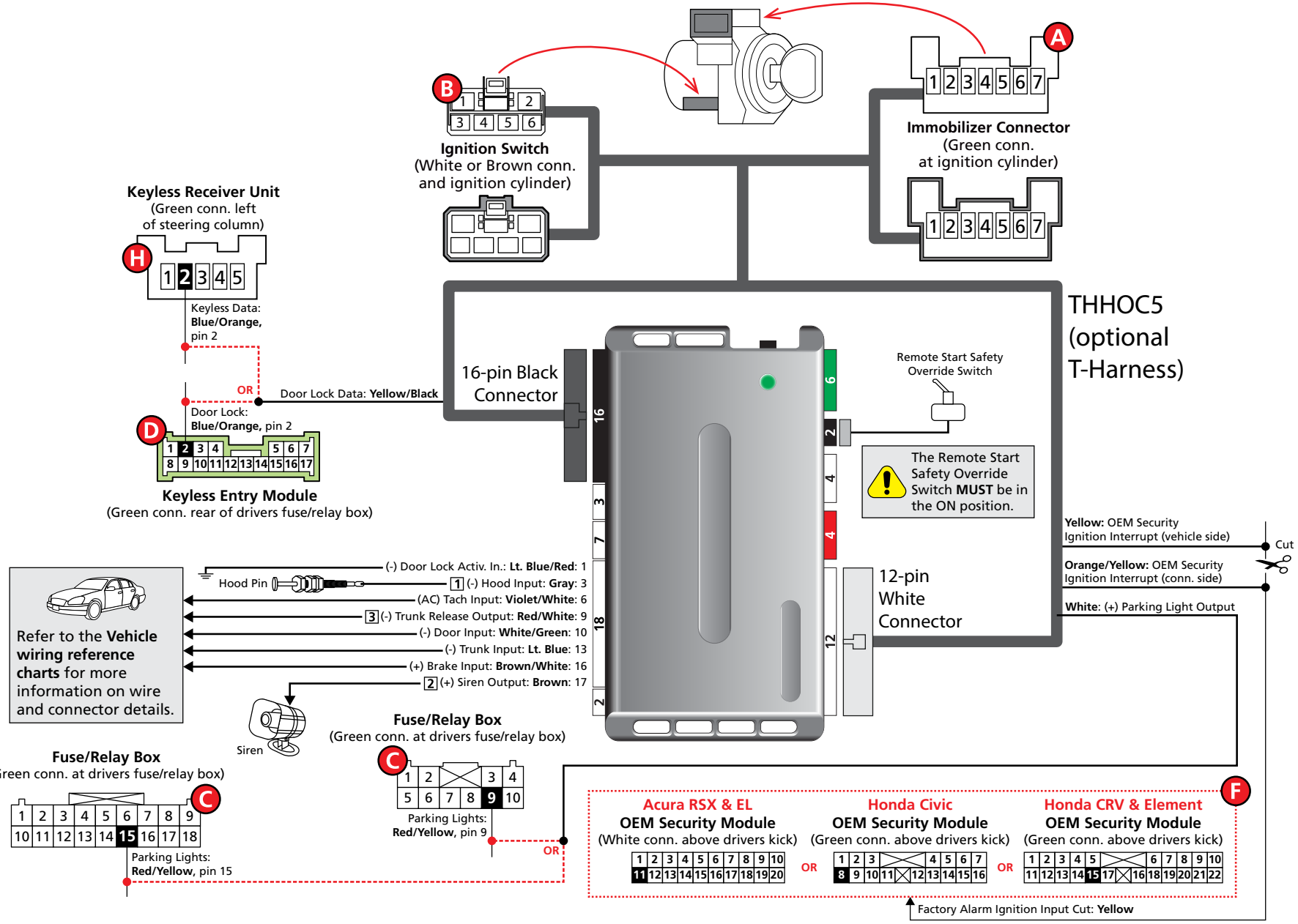
Type 3 with T-Harness (THHOC5)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 19 for important information on this installation.



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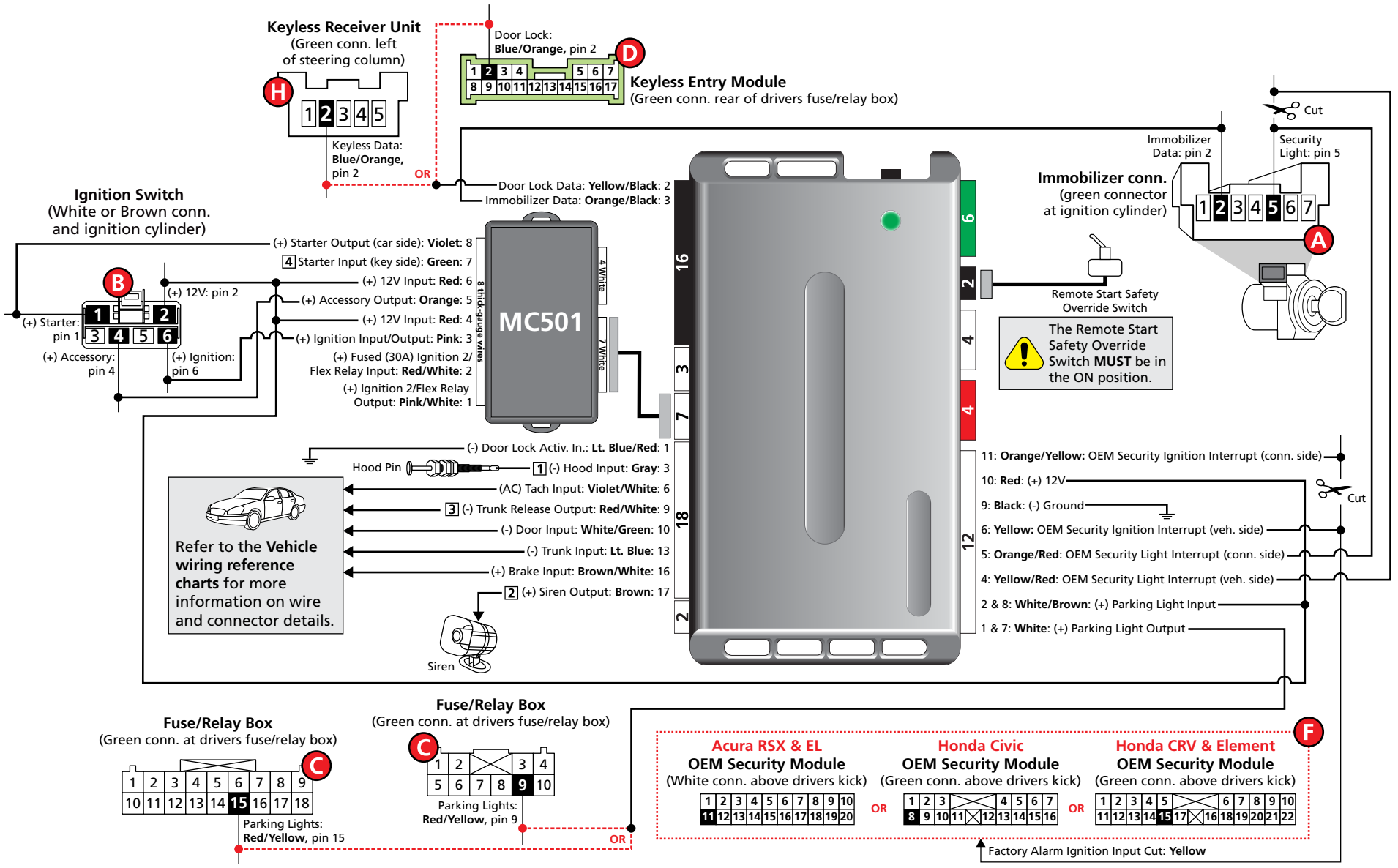
Type 3

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 19 for important information on this installation.



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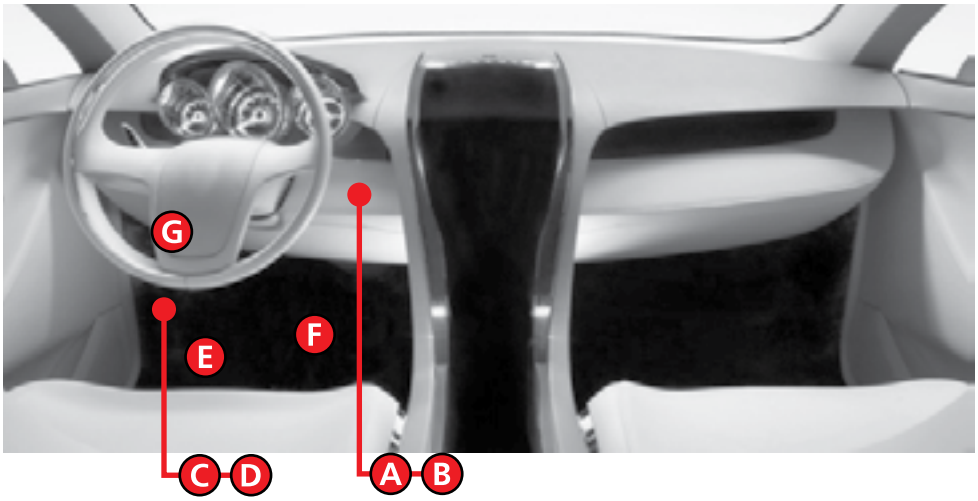
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura EL 2001-2005							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Fuse/relay box, second row on right.	Green	13	C
Brake	White/Black	3	(+)	Fuse/relay box, second row on right.	Green	13	C
Keyless Data	Blue/Orange	2	Data	Rear of drivers fuse/relay box.	Green	17	D
Parking Lights	Red/Yellow	15	(+)	Fuse/relay box, third row right connector.	Green	18	C
Drivers Door	Green	20	(-)	OEM security module above driver kick.	Black & White	20	E
OEM Security Ignition Interrupt	Yellow	11	Cut	OEM security module above driver kick.	Black & White	20	E
Passenger Door	Lt. Green/Red	9	(-)	OEM security module above driver kick.	Black & White	20	E
Rear Doors	Green/White	19	(-)	OEM security module above driver kick.	Black & White	20	E
Trunk Release	Yellow/Green	16	(+)	OEM security module above driver kick.	Black & White	20	E
Acura RSX 2002-2006							
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Drivers fuse/relay box.	Green	8	C
Brake	White/Black	3	(+)	Drivers fuse/relay box.	Green	13	C
Keyless Data	Blue/Orange	2	Data	Rear of drivers fuse/relay box.	Green	17	D
Parking Lights	Red/Yellow	15	(+)	Drivers fuse/relay box.	Green	18	C
Drivers Door	Green	20	(-)	OEM security module above driver kick.	White	20	E
OEM Security Ignition Interrupt	Black/Yellow or Yellow	11	Cut	OEM security module above driver kick.	White	20	E
Passenger Door	Lt. Green/Red	9	(-)	OEM security module above driver kick.	White	20	E
Rear Hatch	Red	7	(-)	OEM security module above driver kick.	White	20	E

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Honda Civic 2001-2005							
Brake	White/Black	2	(+)	Brake switch	White	4	F
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Drivers fuse/relay box.	Green	8	C
Drivers door	Green	3	(-)	OEM security module above driver kick.	Green	16	E
OEM Security Ignition Interrupt	Yellow	8	Cut	OEM security module above driver kick.	Green	16	E
Passenger door	Lt. Green/Red	2	(-)	OEM security module above driver kick.	Green	16	E
Rear doors	Green/White	1	(-)	OEM security module above driver kick.	Green	16	E
Keyless Data	Blue/Orange	2	Data	Rear of drivers fuse/relay box.	Green	17	D
Parking Lights	Red/Yellow	15	(+)	Drivers fuse/relay box.	Green	18	C
Honda Civic Hybrid 2003-2005							
Brake	White/Black	2	(+)	Brake switch	White	4	F
Immobilizer Data	Red/Blue	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Drivers fuse/relay box.	Green	8	C
Drivers door	Green	3	(-)	OEM security module above driver kick.	Green	16	E
OEM Security Ignition Interrupt	Yellow	8	Cut	OEM security module above driver kick.	Green	16	E
Passenger door	Lt. Green/Red	2	(-)	OEM security module above driver kick.	Green	16	E
Rear doors	Green/White	1	(-)	OEM security module above driver kick.	Green	16	E
Keyless Data	Blue/Orange	2	Data	Rear of drivers fuse/relay box.	Green	17	D
Parking Lights	Red/Yellow	15	(+)	Drivers fuse/relay box.	Green	18	C
Honda CRV 2002-2006							
Brake	White/Black	2	(+)	Brake switch	White	4	F
Keyless Data	Blue/Orange	2	Data	Keyless Entry Module left of column.	Green	5	G
Immobilizer Data	White	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Drivers fuse/relay box.	Green	8	C
Parking Lights	Red/Yellow	9	(+)	Drivers fuse/relay box.	Green	10	C
Drivers door	Green	3	(-)	OEM security module above driver kick.	Green	22	E
OEM Security Ignition Interrupt	Yellow	15	Cut	OEM security module above driver kick.	Green	22	E
Passenger door	Lt. Green/Red	2	(-)	OEM security module above driver kick.	Green	22	E
Trunk Release	Red	1	(-)	OEM security module above driver kick.	Green	22	E

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Honda Element 2003-2011							
Brake	White/Black	2	(+)	Brake switch	White	4	F
Immobilizer Data	White	2	Data	Immobilizer connector.	Green	7	A
Security Light	Blue/Orange	5	Cut	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Black/Red	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	5	AC	Drivers fuse/relay box.	Green	8	C
Parking Lights	Red/Yellow	9	(+)	Drivers fuse/relay box.	Green	10	C
Keyless Data	Blue/Orange	2	Data	Drivers fuse/relay box.	Green	17	C
Drivers door	Green	3	(-)	OEM security module above driver kick.	Green	22	E
OEM Security Ignition Interrupt	Yellow	15	Cut	OEM security module above driver kick.	Green	22	E
Passenger door	Lt. Green/Red	2	(-)	OEM security module above driver kick.	Green	22	E
Trunk Release	Red	1	(-)	OEM security module above driver kick.	Green	22	E
Hatch Release	Black/Yellow	16	(-)	OEM security module above driver kick.	Green	22	E

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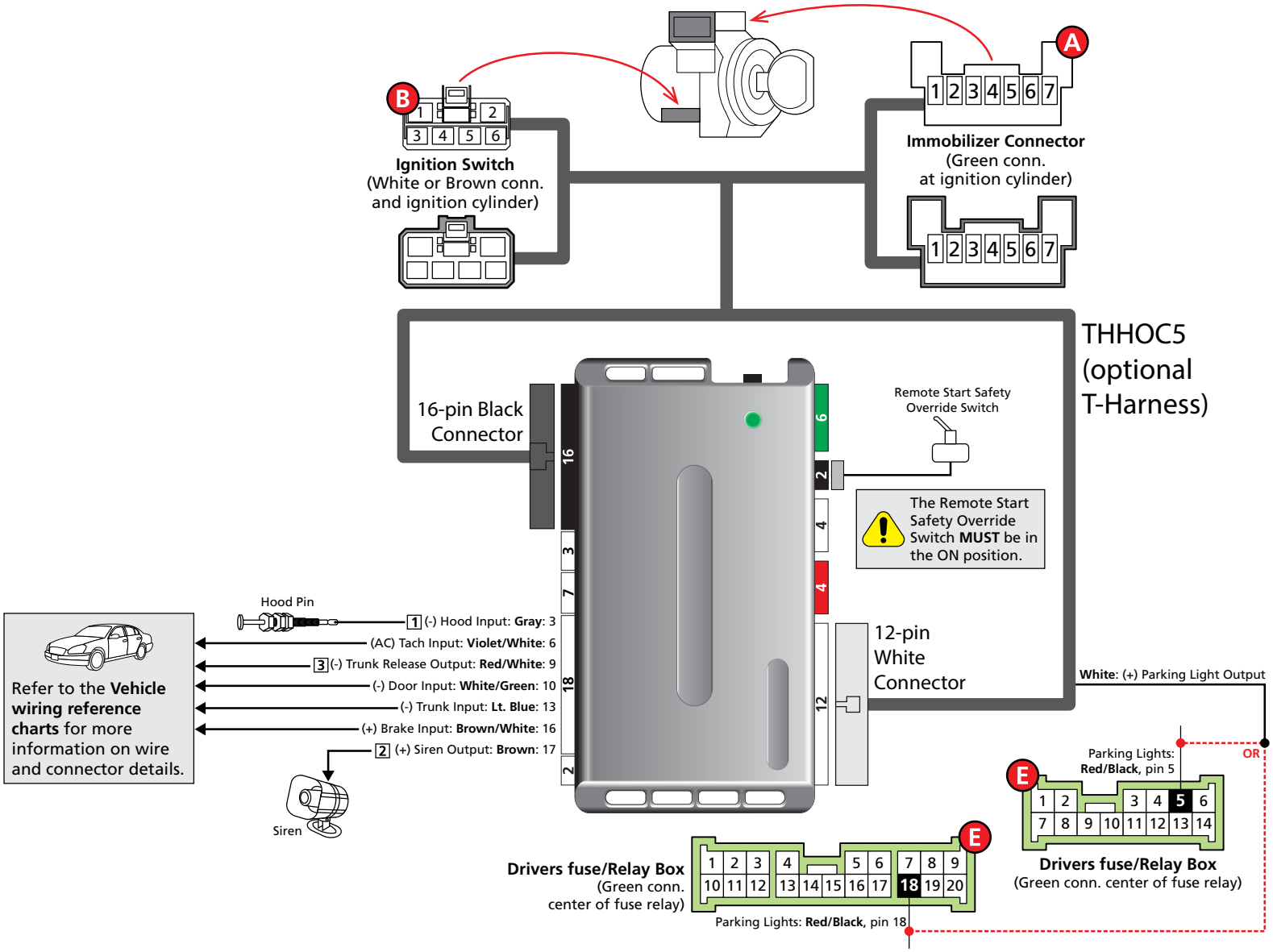
Type 4 with T-Harness (THHOC5)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 24 for important information on this installation.



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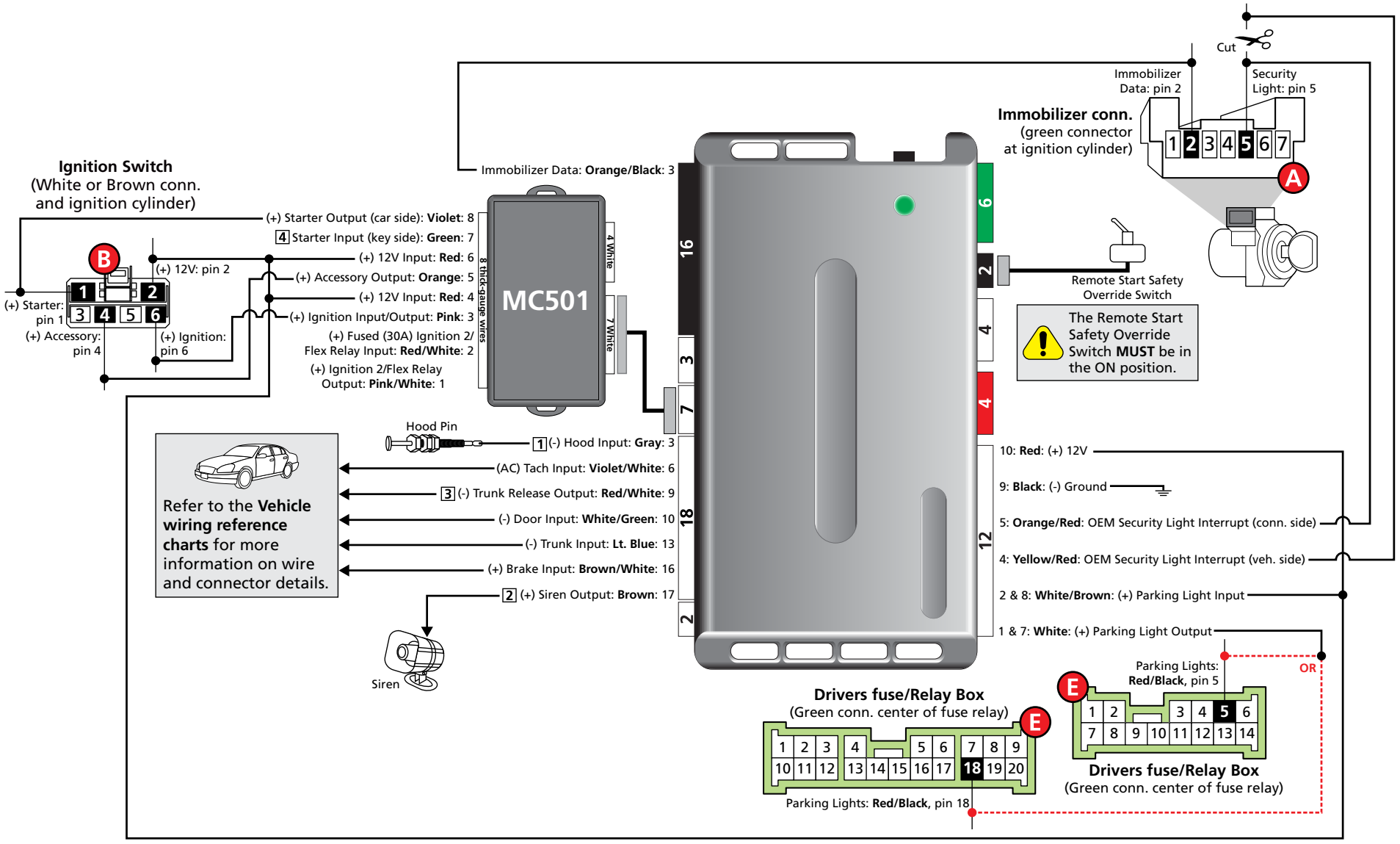
Type 4

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 24 for important information on this installation.



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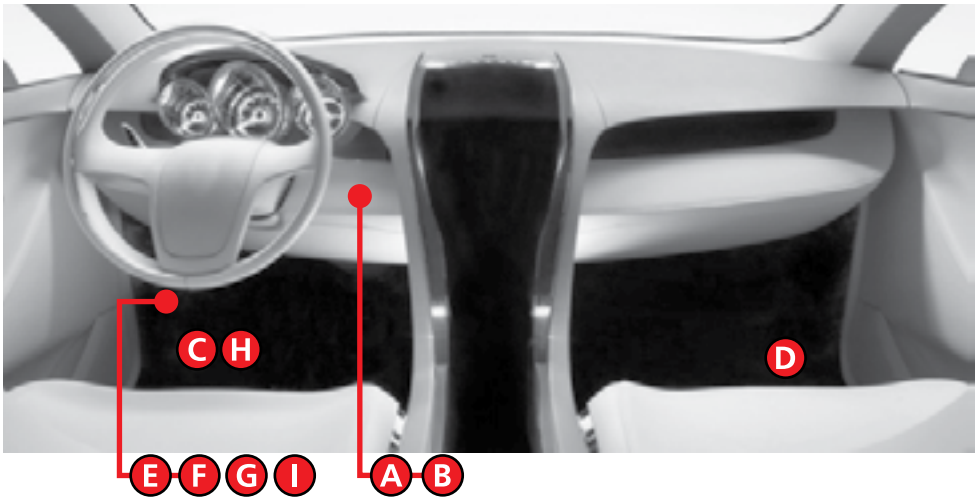
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura MDX 2003-2006							
Immobilizer Data	Red	2	Data	Immobilizer connector.	Green	7	A
Security Light	Pink	5	Data	Immobilizer connector.	Green	7	A
SW CAN	Pink	4	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Orange	4	(+)	Ignition switch.	Brown	7	B
Ignition	White	6	(+)	Ignition switch.	Brown	7	B
Starter	Blue	1	(+)	Ignition switch.	Brown	7	B
Door Trigger	Black/White	8	(-)	Rear of passenger fuse/relay box.	Green	18	C
Lock	Black/Orange	6	(-)	Passenger fuse box.	Green	20	D
Unlock	Blue/Orange	5	(-)	Passenger fuse box.	Green	20	D
Tach	Green/Blue	10	AC	Passenger fuse box.	Green	20	D
Parking Lights	Red/Black	18	(+)	Drivers fuse/relay box.	Green	20	E
Brake	White/Black	15	(+)	Drivers fuse/relay box.	Green	20	E
Hood Trigger	Yellow	6	(-)	Driver multiplex control unit attached to the driver fuse box.	Green	22	F
Honda Fit 2007-2008							
SW CAN	Blue/Orange	2	Data	Keyless Receiver Unit, left of drivers fuse box..	Green	5	G
Immobilizer Data	Lt. Green/Black	2	Data	Immobilizer connector.	Green	7	A
Security Light	Red/Black	5	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Yellow/Black	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Lock	White/Green	21	(-)	Junction connector drivers kick panel.	White	23	H
Unlock	White/Black	22	(-)	Junction connector drivers kick panel.	White	23	H
Parking Lights	Red/Black	5	(+)	Drivers fuse/relay box.	Green	14	E
Brake	White/Black	4	(+)	Drivers fuse/relay box.	Green	14	E
Tach	Green/Orange	2	AC	Drivers fuse/relay box.	Green	20	E
Door Trigger	Green	18	(-)	Left of drivers fuse box.	White	20	F
Trunk Trigger	Green/Red	17	(-)	Left of drivers fuse box.	White	20	F
Hood Trigger	Green/Black	18	(-)	SCU (Security Control Unit) back of fuse box.	Unknown	20	I

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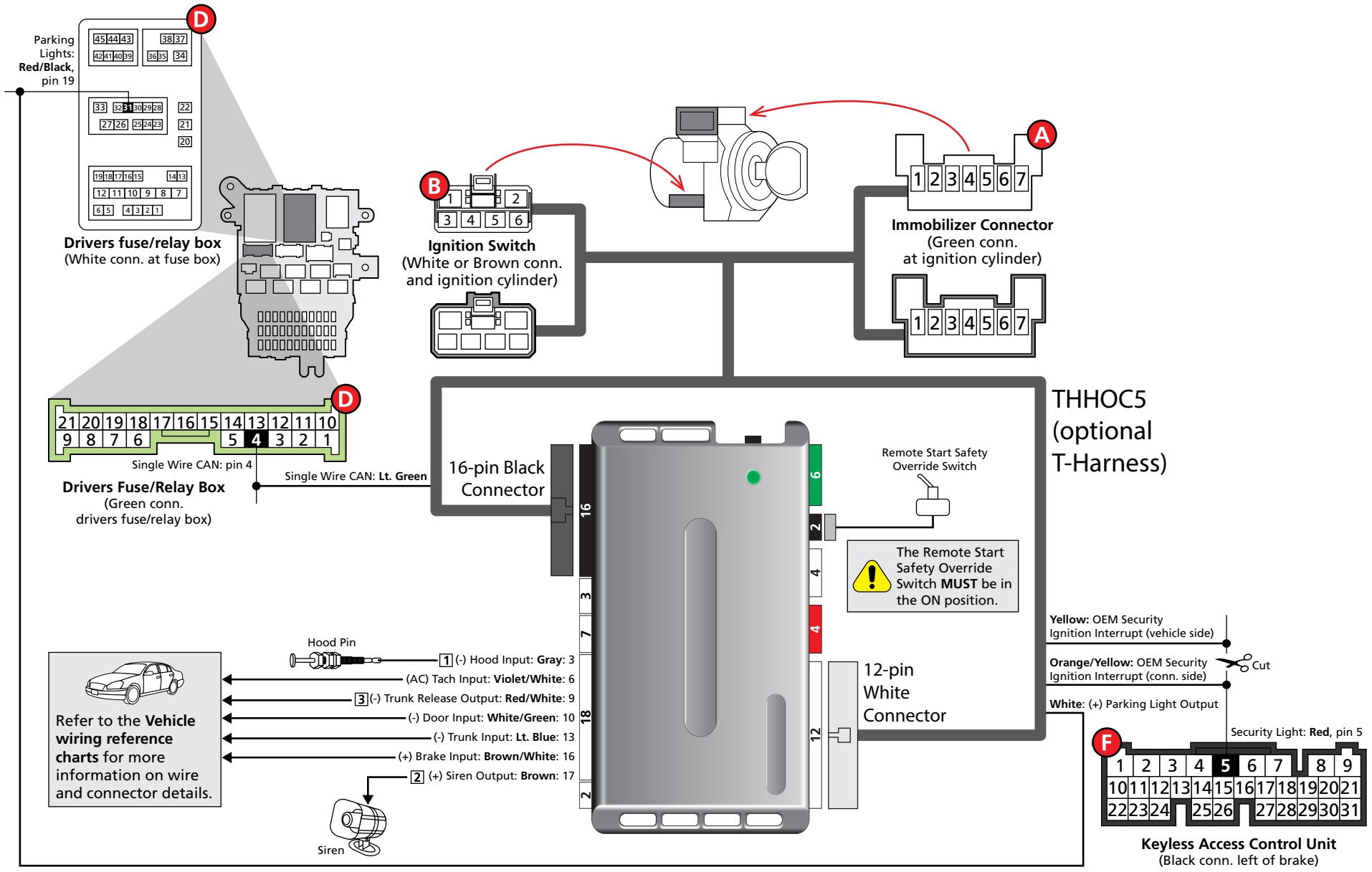
Type 5 with T-Harness (THHOC5)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 27 for important information on this installation.



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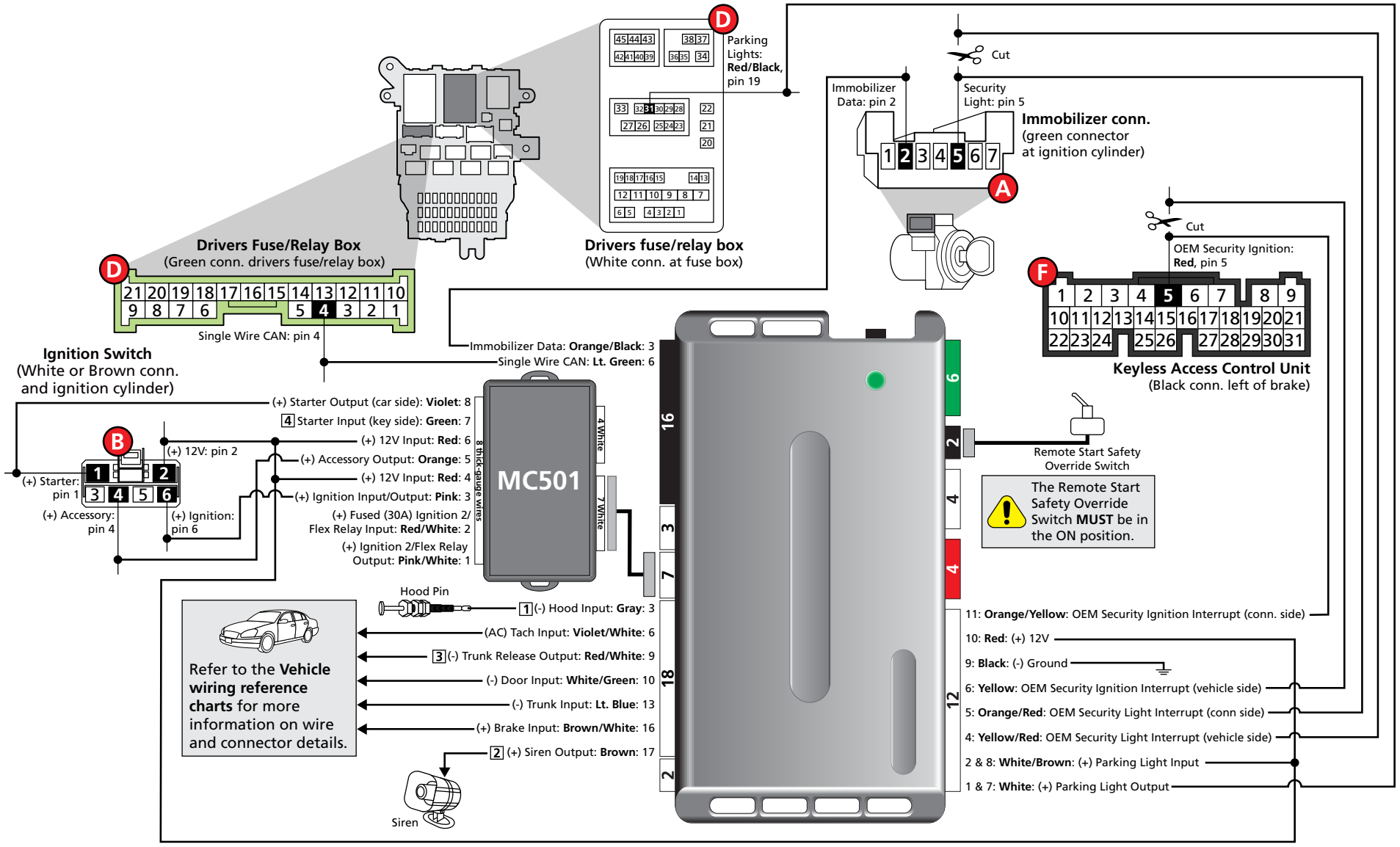
Type 5

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 27 for important information on this installation.



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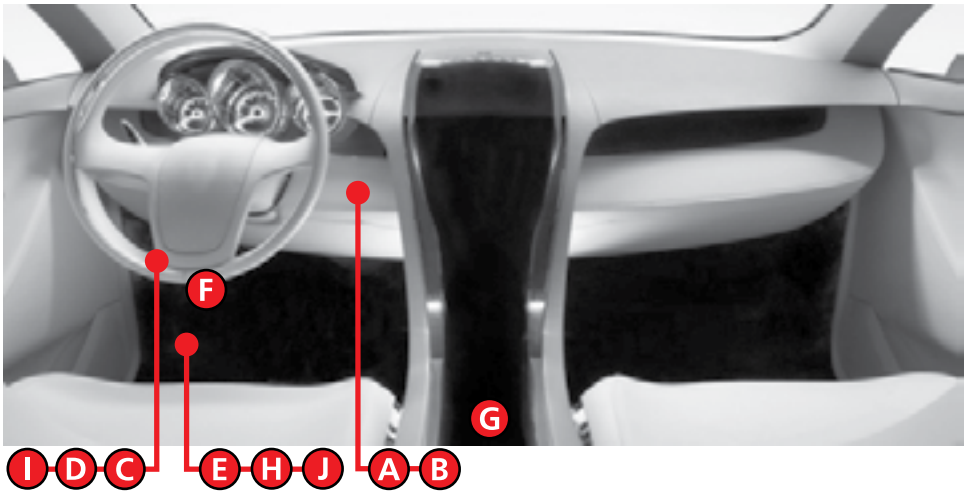
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura RL 2005-2006							
Door Trigger	Green/Red	4	(-)	Rear of Drivers fuse/relay box.	Green	5	I
Immobilizer Data	Orange or Lt. Green	2	Data	Immobilizer connector.	Green	7	A
Security Light	Red/Black	5	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Blue	4	(+)	Ignition switch.	Brown	7	B
Ignition	White	6	(+)	Ignition switch.	Brown	7	B
Starter	Blue	1	(+)	Ignition switch.	Brown	7	B
Trunk Release	Lt. Blue	8	(-)	Left rear edge of drivers fuse/relay box.	Green	14	C
Trunk Trigger	Blue	4	(-)	Left rear edge of drivers fuse/relay box.	Green	14	C
SW CAN	Lt. Green	4	Data	Drivers fuse/relay box.	Green	21	D
Lock	White/Green	21	(-)	Junction connector drivers kick panel.	White	23	E
Unlock	White/Black	22	(-)	Junction connector drivers kick panel.	White	23	E
OEM Security Ignition Interrupt	Red	5	Cut	Keyless Access Control Unit, left of brake.	Black	31	F
Tach	Pink or Green	23	AC	PCM under center console.	White	31	G
Parking Lights	Gray	(+)	31	Drivers fuse/relay box.	White	45	D
Brake	Lt. Green	26	(+)	Drivers fuse/relay box.	White	45	D
Hood Trigger	Yellow/Red to Green	N/A	(-)	OEM hood switch.	N/A	N/A	N/A

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Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Acura RL 2007-2012							
Immobilizer Data	Orange	2	Data	Immobilizer connector.	Green	7	A
Security Light	Red	5	Data	Immobilizer connector.	Green	7	A
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Blue	4	(+)	Ignition switch.	Brown	7	B
Ignition	White	6	(+)	Ignition switch.	Brown	7	B
Starter	Blue	1	(+)	Ignition switch.	Brown	7	B
Door Trigger	Pink	6	(-)	Drivers Kick.	White	12	J
Trunk Release	Lt. Blue	8	(-)	Left rear edge of drivers fuse/relay box	Green	14	C
Trunk Trigger	Blue	4	(-)	Left rear edge of drivers fuse/relay box	Green	14	C
SW CAN	Lt. Green	4	Data	Drivers fuse/relay box.	Green	21	D
Lock	Pink	21	(-)	Junction connector drivers kick panel.	White	23	E
Unlock	Orange	22	(-)	Junction connector drivers kick panel.	White	23	E
OEM Security Ignition Interrupt	Red	5	Cut	Keyless Access Control Unit, left of brake.	Black	31	F
Tach	Pink or Green	23	AC	PCM under center console.	White	31	G
Parking Lights	Gray	31	(+)	Drivers fuse/relay box.	White	45	D
Brake	Lt. Green	26	(+)	Drivers fuse/relay box.	Green	45	D
Hood Trigger	Green	N/A	(-)	OEM hood switch.	N/A	N/A	N/A

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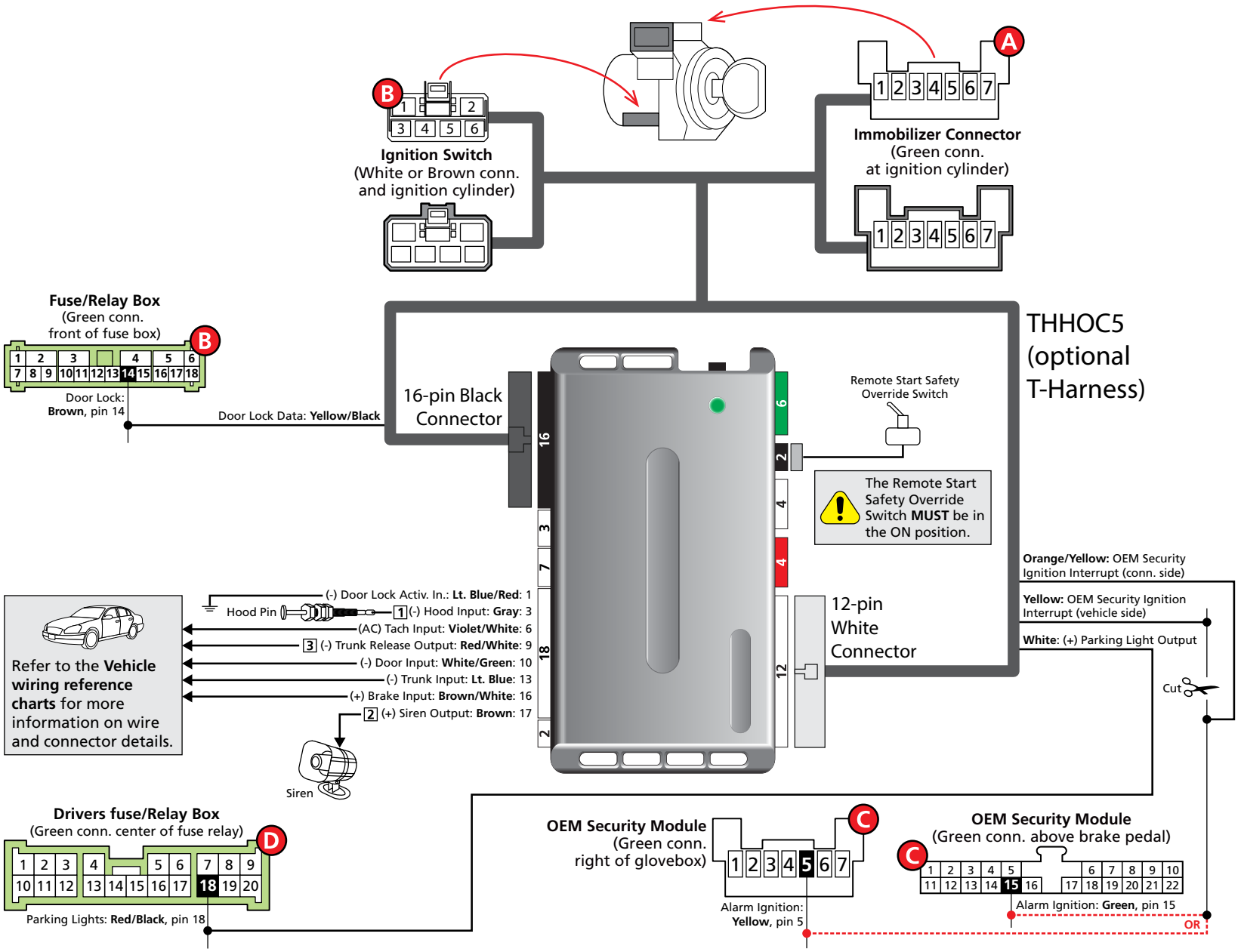
Type 6 with T-Harness (THHOC5)

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 31 for important information on this installation.



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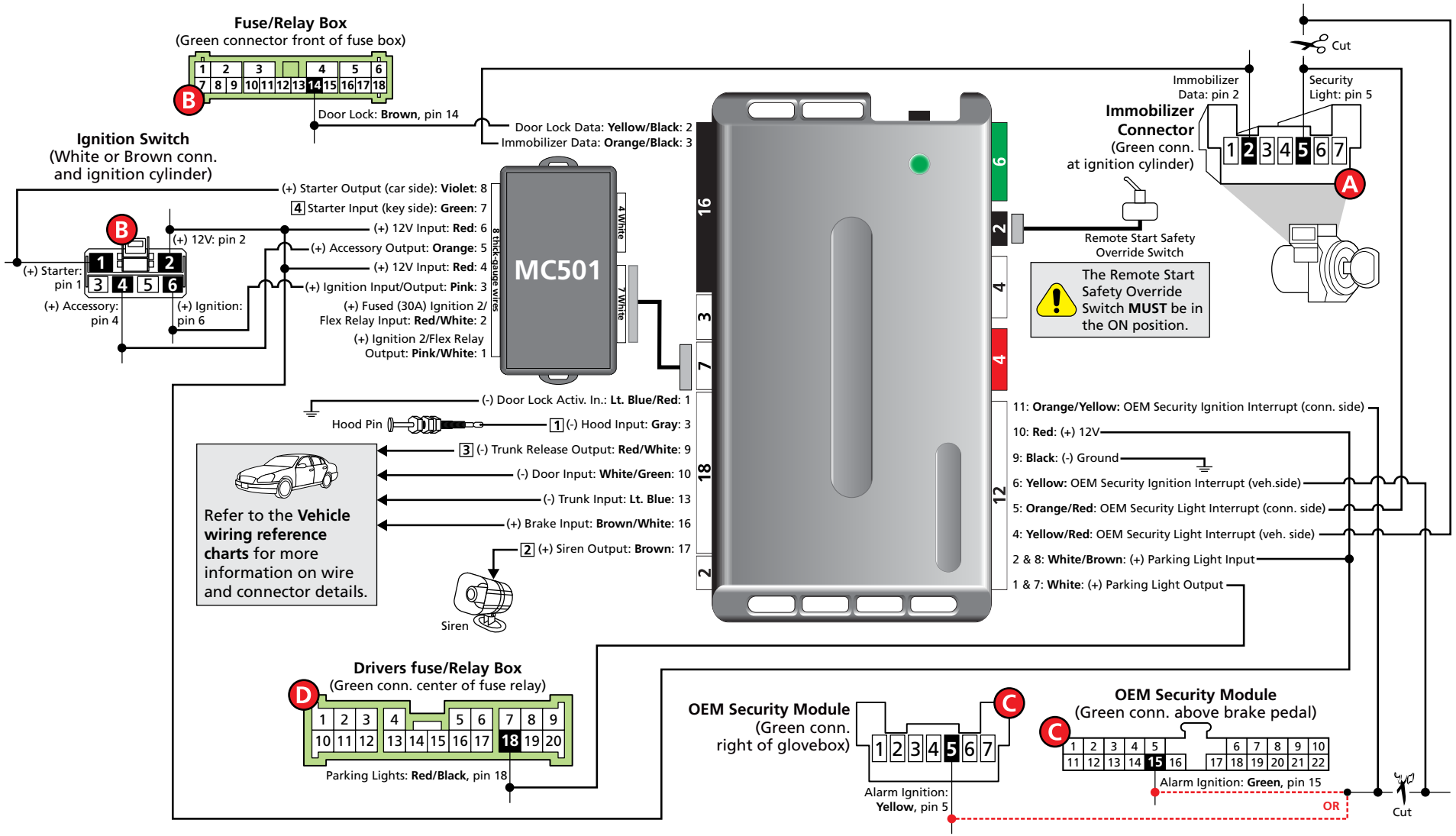
Type 6

⚠ Refer to "Pre-installation and application warnings" on page 4 and "Vehicle wiring reference chart" on page 31 for important information on this installation.



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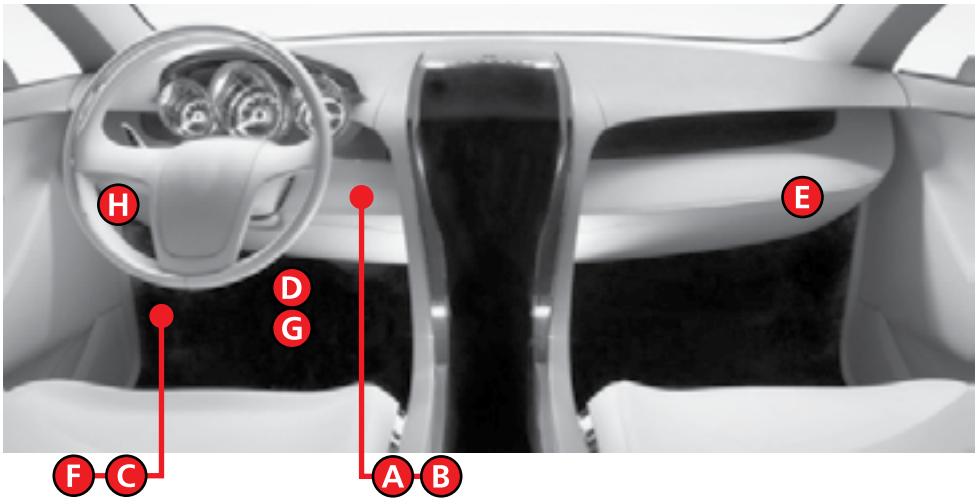
Vehicle wiring reference chart

This section provides vehicle wiring information to guide you through the various stages of your installation. Refer to www.directechs.com for additional information.



Wire Information				Connector Information			
Function	**Color**	**Pin**	**Polarity**	**Location**	**Color**	**Pins**	**Ref.**
Honda Pilot 2005-2008							
Brake	White/Black	2	(+)	Brake switch.	White	4	G
Door Trigger	Black/White	18	(-)	Dome light switch on dash	Gray	6	H
Immobilizer Data	Red/Green	2	Data	Immobilizer connector.	Green	7	A
Security Light	White.Blue or Pink	5	Data	Immobilizer connector.	Green	7	A
OEM Security Ignition Interrupt (Pilot EX, EX-L & SE)	Yellow	5	Cut	OEM security module, right of glove box.	Green	7	E
12V	White	3	(+)	Ignition switch.	Brown	7	B
Accessory	Yellow	4	(+)	Ignition switch.	Brown	7	B
Ignition	Black/Yellow	6	(+)	Ignition switch.	Brown	7	B
Starter	Black/White	1	(+)	Ignition switch.	Brown	7	B
Tach	Blue	4	AC	Drivers fuse/relay box.	Green	10	C
Door Lock Data	Brown	14	Data	Drivers fuse/relay box.	Green	18	C
Parking Lights	Red/Black	18	(+)	Drivers fuse/relay box.	Green	20	C
OEM Security Ignition Interrupt (Pilot LX & VP)	Green	15	Cut	OEM security module, black box above brake plug.	Green	22	D
Trunk Trigger	Orange	8	(-)	Back of Driver Multiplex Control Unit	Green	22	F
Hood Trigger	Yellow	6	(-)	Back of Driver Multiplex Control Unit	Green	22	F

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Key2GO

⚠ This feature may be required if the interface does not program using the traditional method. Refer to "Module programming" on page 34 for more information.

Key2GO has been designed and developed to bypass the advanced encryption layers found in modern vehicles. It uses an array of servers to generate a duplicate of the original key, allowing the installation of a remote starter without having to give up a key.

The advantage is that this feature allows you to use one original key and the server to configure the bypass in the vehicle.

All Key2GO-compatible firmware are clearly indicated in the function list of each vehicle search result page and will also appear on the flash page. Any first-time user must re-register to gain access to Key2GO, and some additional information will be required to complete the registration process, such as your Directed account number and store name.

Key2GO is compatible with XKLoader2 and the online web tool, as well as XKLoader3 and the Directechs Mobile application.

Refer to "Module programming" on page 34 of this guide for instructions on how to program features using Key2GO.

Connecting the module

⚠ Important!

Before connecting the Directed Digital Solutions, it is important to ensure that the proper feature and function programming is selected using the configuration wizard. Visit www.directechs.com to use the latest version of the online tool.

Flashing a module using your computer:
1. **Disconnect** the main module from any (+) 12V power source, then **connect** it to your computer using the **XKLoader2**.
2. Go to **www.directechs.com** using Internet Explorer; the configuration wizard will be displayed automatically.
3. Follow the instructions in the pop up window that will be displayed when the module is detected.

Flashing a module using your smartphone or tablet:
1. **Disconnect** the main module from any (+) 12V power source, then **connect** it to the **XKLoader3**.
2. Launch the **Directechs Mobile** app on your smartphone or tablet.
3. Select **FLASH YOUR MODULE** and follow the on-screen instructions.

When the flashing operation is successful, you can proceed with the instructions below.

Manual or automatic transmission selection

The yellow loop on the Directed Digital Solutions controls which transmission type the unit is configured for. The state of the loop (uncut or cut) when the main module is powered up will determine which type is selected.
- Uncut (default): Manual transmission.
- Cut: Automatic transmission.

For safety reasons, all Directed Digital Solutions are shipped ready to use with a manual transmission (the yellow loop is untouched). If the loop is cut after power has been applied, it is necessary to cycle power to the main module (via the white 12-pin main power harness) so the unit will see the state change on the loop and appropriately configure the transmission type.

Ready mode

To successfully remote start a vehicle equipped with a manual transmission, the Ready Mode feature must be enabled before exiting the vehicle. Please refer to the Owner's Guide for more details on this required process.

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Additional connections required for vehicles equipped with a manual transmission (if not supported by firmware)

Connection	Description
(-) E-Brake Status Input (Black/White, pin 2)	Must be connected to a working emergency brake in the vehicle. Although most vehicles have simple (-) trigger emergency brake circuits note some vehicles do not and may require unique integration methodologies.
(-) Door Trigger Input (White/Green, pin 10) OR (+) Door Input (Yellow/ Green, pin 11)	Must be connected to a working door trigger in the vehicle, which monitors all doors. The unit must monitor the door pins to allow the Ready Mode process to be enabled. **Note**: Some vehicles may require unique integration methodologies for this circuit.
(AC) Tachometer Input (Violet/White, pin 6)	Must be connected to a working tachometer signal in the vehicle (fuel injector, ignition coil, true tach, etc.) and learned successfully to the Directed Digital Solutions.

Note: Refer to www.directechs.com for more information.

Optional sensors

Note: The sensor port is only active on hybrid systems.

The 4-pin sensor port is compatible with a number of different Directed sensors including, but not limited to:

- Shock Sensor – 504D
- Field Disturbance Sensor – 508D
- Ultrasonic Sensor – 509U

Note: In the case of 508D, power and ground must be hardwired to the vehicle – power and ground should **NOT** be obtained from the 4-pin sensor port.

Each sensor will have its own instructions, which must be followed for installation and adjustment.

RF Systems

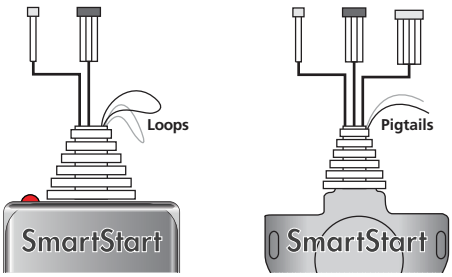
An RF System consists of one or multiple remotes, a Control Center (antenna), and an antenna cable – various combinations exist. An RF System allows the vehicle owner to control the system with enhanced range. Two-way models are available. Please follow the instructions included with the kit for appropriate installation and programming information.

When flashing the Directed Digital Solutions, make sure to pick the remote you will be using. This way the main module will have the necessary firmware to interact with the remote and Control Center (antenna) combination.

When used in conjunction with SmartStart

Disconnect power from the Directed Digital Solutions before connecting the SmartStart module. Failing to do so could damage main module. To enable D2D communication between the Directed Digital Solutions and the SmartStart one of the following actions must be executed:

- SmartStart with **Loops** – The brown loop must be cut.
- SmartStart with **Pigtails** – The gray wire must be connected to a ground source.



⚠ **DO NOT** connect the SmartStart 2-pin power harness when using the Directed Digital Solutions. Power and ground will be provided by the D2D connector on main module. Refer to the SmartStart documentation for further details.

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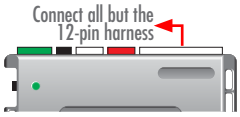
Module programming

⚠ Refer to "LED diagnostics and troubleshooting" on page 35 for more information and for troubleshooting purposes.

To connect the module:

1 Please **ensure** that the vehicle is in a safe location and cannot move forward during programming. For vehicles equipped with a manual transmission, make sure the gearshift lever is in the neutral position.

2 **Connect** all the harnesses to the Directed Digital Solutions, **EXCEPT** the 12-pin main power harness.



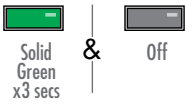
3 **Connect** the 12-pin main power harness, and wait until the LED turns ON solid red.

4 **Type 3-6 ONLY:**
To set the Door Lock feature to the Acura EL, RSX, as well as the Honda Civic, CRV, Element and Pilot, you must ground the Light Blue/Red wire (pin 1 in the white 18-pin harness).

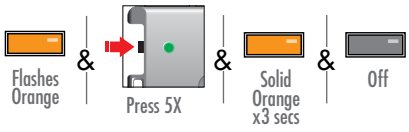
5 **Turn** the key to the ON position.

6 The following step depends on the installation type corresponding to the vehicle:

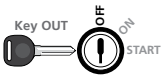
Types 1, 2 & 5
The LED turns ON solid green for 3 seconds and shuts off.



Types 3, 4 & 6
When the LED flashes orange, press the module button 5 times to complete the programming. The LED turns ON solid orange for 3 seconds and shuts off.



7 **Turn** vehicle ignition OFF once the module is successfully programmed.



8 **Pair** remotes (if applicable). For information on how to pair a specific remote, please refer to its corresponding owner documentation, which can be found inside the product packaging of the complete system or on www.directechs.com.*

9 By default, the tachometer is preprogrammed for the vehicle. For instructions on how to program tach, see page 38.

* Your aftermarket remote may differ from the model shown in the illustrations.

You have successfully completed the module programming sequence.

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LED diagnostics and troubleshooting

This section provides LED diagnostics and troubleshooting information to guide you through the various stages of your installation.

Module programming

LED	Description	Troubleshooting
Off	Module has no power.	Make sure the D2D harness is connected and that 12 Volt is present between the red and black wires. If 12 Volt is present, the module may be defective.
Solid red	Waiting to begin the programming sequence.	Ensure the correct programming procedure is being followed.
Flashes red & green	Initialization failed.	Reset the module and complete the programming again. If the issue persists, please contact Technical Support.
Solid orange	Transponder functions were skipped.	(If compatible) when the RXT mode is not desired or convenience features are needed, please reset and reprogram the module.
Flashes green	All required CAN networks has been detected.	Normal operation.
Flashes orange	1 of 2 CAN networks has been detected.	Normal operation.
Flashes orange slowly	Key2GO initiated.	Please follow the steps indicated in "Module programming" on page 34 to complete the Key2GO programming.
Solid green x 3 secs	Module was successfully programmed with all functions.	Normal operation.
Solid orange x 3 secs	Module was successfully programmed without transponder functions.	Normal operation.

Module programming – Error codes

LED	Description	Troubleshooting
Flashes red x 1	CAN2 not detected.	Check the CAN2 Orange/Green and Orange/Brown wire connections. Wake up the data bus by turning the ignition on and try again. If your installation does not require this connection, skip this step by pressing the programming button 5 times.
Flashes red x 1	J1850 not detected.	Check the J1850 wire connection. Wake up the data bus by turning the ignition on and try again.
Flashes red x 2	CAN1 not detected.	Check the CAN1 Tan and Tan/Black wire connections. Wake up the data bus by turning the ignition on and try again. If your installation does not require this connection, skip this step by pressing the programming button 5 times.
Flashes red x 3	Bypass data not detected.	Check the bypass line connection. If more than one wire is used, make sure they are not inverted. Ensure the vehicle still operates correctly using the factory key.
Flashes red x 4	Bypass processing error.	The bypass calculation failed. Reset the module and try again. If the condition persists, please contact Technical Support.
Flashes red x 5	ISO 1 not detected.	The Yellow/Black wire did not detect the expected signal. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" on page 8 to check the connections.
Flashes red x 6	ISO 2 not detected.	The Orange/Black wire did not detect the expected signal. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" on page 8 to check the connections.
Flashes red x 7	MUX not detected.	The Violet/Green or Violet/Brown wire did not detect the expected voltage value. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" on page 8 to check the connections.

External module synchronization

LED	Description	Troubleshooting
(Flashes red, red, then orange) x 10	OBDII feature not supported.	The diagnostic data bus was not detected, therefore the SmartStart features will be limited.

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Active Ground When Running (Status)

LED	Description	Troubleshooting
Flashes green	Ground When Running (Status) command received.	The module has initialized the remote start sequence.
Flashes red & orange	Ignition ON command received.	The module has received the Ignition ON command and is processing the remote start sequence.
Flashes green quickly	Start ON command received.	The module has received the Start ON command and is processing the remote start sequence.
Flashes red x 10	PTS shutdown error.	The PTS output from the module was not activated due to safety protection.
Flashes red x 21	CAN bus incorrectly detected.	Verify the CAN1 and CAN2 connections. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" on page 8 to check the connections.

Commands

LED	Description	Troubleshooting
Flashes orange x 1	LOCK command received.	If the bypass module fails to flash, it did not receive the signal. Commands can come from RF or D2D.
Flashes orange x 2	UNLOCK command received.	
Flashes orange x 3	TRUNK command received.	
Flashes orange x 4	AUX1 command received.	
Flashes orange x 5	AUX2 command received.	
Flashes orange x 6	AUX3 command received.	

Shutdown codes

LED	Description	Troubleshooting
Flashes green x 1	Takeover successful.	Normal operation.
Flashes red x 1	Runsafe was not disabled.	No UNLOCK command was received prior to opening the door, or the 45 second timer expired in takeover mode.
Flashes red x 2	Brake was not detected.	The brakes were not detected, which prevents the system from shutting down the vehicle.
Flashes red x 3	Smart key was not detected.	The smart key was not detected, which prevents the system from shutting down the vehicle.
Flashes red x 4	Speed was detected.	The vehicle was detected as moving, which prevents the system from shutting it down.

Analog error codes

LED	Description	Troubleshooting
Flashes red, green & orange	DEI feature error.	A feature config file mismatch was detected. Please contact Technical Support.

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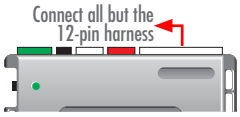
Soft reset

A module reset will only erase the steps performed in "Module programming" on page 34. The firmware and settings flashed to the module will not be affected.

1 If required for your installation, **connect** all the harnesses to the Directed Digital Solutions, **EXCEPT** the 12-pin main power harness. **Press** and **hold** the programming button, then **connect** the 12-pin harness to the module.



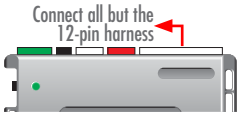
2 **Wait** 3 seconds until the LED turns ON solid orange then **release** the programming button. The LED turns ON solid red.

Hard reset

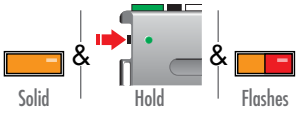
Warning Against Executing a Hard Reset!

A hard reset will revert the flashed firmware back to its default settings. Depending on the installation, some settings may need to be reconfigured. Connect your module to a computer and use the web configuration tool to edit its programmable features.

1 If required for your installation, **connect** all the harnesses to the Directed Digital Solutions, **EXCEPT** the 12-pin main power harness. **Press** and **hold** the programming button, then **connect** the 12-pin harness to the module.



2 After 3 seconds the LED turns ON solid orange. **Keep holding** the programming button until the LED flashes red, then orange slowly.



3 **Release** the programming button. The LED turns ON solid red.

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Learning the Tach (not needed with Virtual Tach)

Tach comes preprogrammed, therefore learning is not required; however, it can be readjusted with the following operations:

1. Start the vehicle using the key.
2. Within 5 seconds, press and hold the Control Center* (antenna) or the main module programming button, until the LED on the Control Center (antenna) or the main module turns ON solid.
3. Release the button. Tachometer value is now stored in memory.

If the LED does not turn ON solid, find an alternate tach source.

* If the Control Center (antenna) was not included in your kit, the tach can be programmed using the programming button directly on the main module.

Note: When the tachometer is programmed, the main module automatically enters the Tachometer engine checking mode.

Initializing Virtual Tach (not needed with hardwired or data tach applications)

To program Virtual Tach:

1. After the install is complete, remote start the engine. The programming operation may require 3 cranks of the starter before the engine starts and runs. Do not turn off the remote start if this happens, it is a normal programming operation.
2. Once the engine begins running, let it run for at least 30 seconds.
3. Using the Remote, send the Remote start command to turn remote start off. Virtual Tach is programmed. To reset Virtual Tach, a module reset must be done.

Note: Virtual Tach cannot be used in Manual Transmission Mode. It is also not recommended for diesel trucks.

Virtual Tach handles disengaging the starter motor during remote starting – it does not address over-rev. If the customer wants to have the over-rev protection capability, the tach wire or data tach must be used.

Important! After successfully learning Virtual Tach, a small minority of vehicle starters may over crank or under crank during remote start. Use the VirtualTach Fine tune feature in the configuration wizard to adjust the starter output time in 50mS increments to compensate for such an occurrence.

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Limited lifetime consumer warranty

Directed Electronics. ("Directed") promises to the original purchaser to repair or replace (at Directed's election) with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was purchased from an authorized Directed dealer, the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE FROM AN AUTHORIZED DEALER WILL BE DENIED. This warranty is non-transferable and is automatically void if: the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGE TO VEHICLE, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE SUBJECT TO THE CONDITIONS AS DESCRIBED HEREIN. THIS WARRANTY IS VOID IF THE UNIT HAS NOT BEEN PURCHASED FROM DIRECTED, OR AN AUTHORIZED DIRECTED DEALER, OR IF THE UNIT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, ACTS OF GOD, NEGLECT, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECT IN MATERIALS OR CONSTRUCTION.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State.

This warranty is only valid for sale of product(s) within the United States of America and in Canada. Product(s) sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied.

For further details relating to warranty information of Directed products, please visit the support section of Directed's website at: www.directed.com.

This product may be covered by a Guaranteed Protection Plan ("GPP"). See your authorized Directed dealer for details of the plan or call Directed Customer Service at 1-800-876-0800.

(920-10011-01 2011-06)

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Quick Reference Guide

Sending commands to your vehicle

Whether you want to remote start the engine, lock/unlock the doors or pop the trunk, there are 3 possible ways you can send commands to your vehicle, using the:

- Factory remote.
- Aftermarket remote.
- Directed SmartStart application via your smartphone.

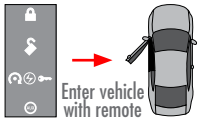
If applicable, you can also start the engine remotely by pressing the Lock button 3 times quickly on your factory remote.

Vehicle takeover with regular key

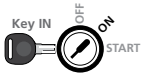
1. **Close** the vehicle doors, hood and trunk, then **send** the Remote Start command to start the vehicle.*

2. **Send** the Unlock command on the factory or aftermarket remote.*

3. **Enter** the vehicle, while making sure the factory remote is inside with you.



4. **Insert** your key in the ignition barrel and **turn** it to the ON position.



5. **Depress** the brake pedal, **put** the car in gear and **drive** off.

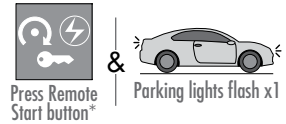
* Icon and remote appearance may differ depending on the model purchased.

Pit stop/idle mode

1. **Stop** the vehicle in a safe parking spot and **put** the gear in Park (P).

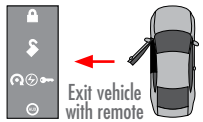
2. **Press** the Remote Start button on the transmitter.*

The parking lights will flash once to indicate the vehicle is now in Pit Stop Mode.



3. It is safe to **leave** the engine running and **exit** the vehicle with the factory remote in hand.

Note: We recommend that you always **lock** the doors of your vehicle when leaving it unattended.



* Icon and remote appearance may differ depending on the model purchased.

List of available commands

Note that the information below is for many Viper, Clifford, Python, Autostart and AstroStart models. Icons and commands may differ depending on the model and options purchased. Refer to your authorized installation center for more specific information.

Button(s)	Actions
	Press & **hold** for 1 second to lock.
	Press & **hold** for 1 second to unlock.
*	**Press** & **hold** for 1 second to remote start.
AUX *	**Press** & **hold** for 5 seconds to activate the trunk release (optional).

* Icon and remote appearance may differ depending on the model purchased.

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SmartStart compatible

This system is compatible with Directed SmartStart. For a complete list of supported features, please visit www.mysmartstart.com.

What is SmartStart?

Now you can remote start, lock and unlock your car just by pushing a button on your smartphone; using the SmartStart App from Directed, the leader in vehicle security and remote start. The simple graphical interface gives you control over the following features of your installed remote start or security with remote start system:

- Lock/Arm
- Unlock/Disarm
- Remote Car Starter
- Trunk Release
- Panic
- Aux Channels

You can also control multiple vehicles – great for families – and assign more than one user to control a vehicle. It's easy with SmartStart! But, this is only the beginning! SmartStart is loaded with additional features including GPS tracking, SmartSchedule, vehicle status, roadside assistance, parked car finder and more.

The application enables a "Cloud-Connected Car" like never before, providing 2-way interaction with your vehicle. Connectivity is managed through the Directed Cloud Services (DCS) network linking car, app, end user, and the Internet.

For more information, visit www.mysmartstart.com.

Notes

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