

Platform #05

Firmware: PKT2

Installation Manual (1/5 Pages)

Description: Toyota/Lexus Immobilizer Bypass & Transponder Interface (NO KEY REQUIRED)

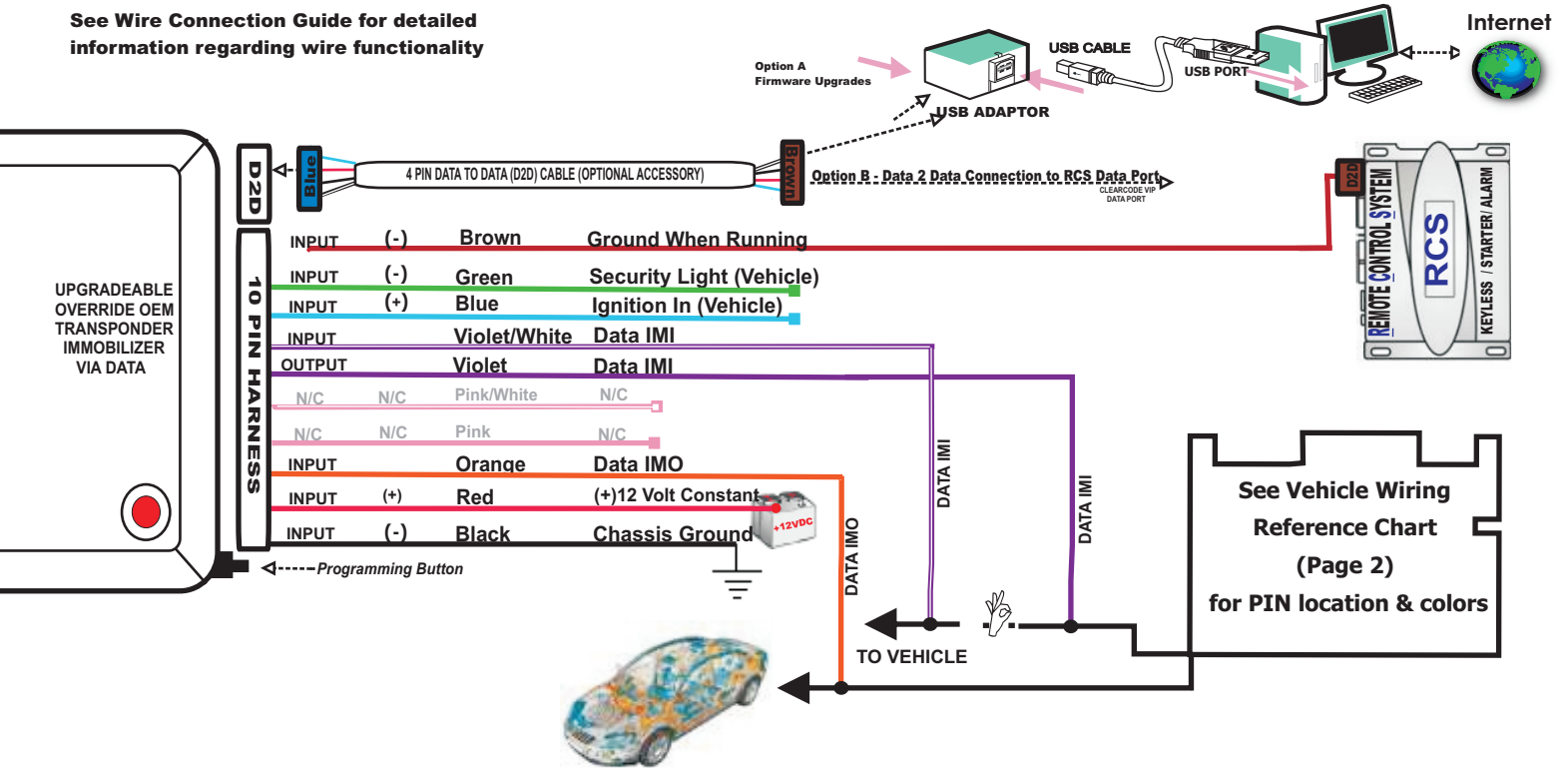
Functions: Data Bus Interface: Override OEM Transponder Immobilizer Via Data

Downloadable Firmware for Platform #05: PKG3, PKG8, PKH1, PKH2, PKH3, PKH4, PKHY1, PKM2, PKN2, PKT2



WARNING: Before beginning your install go to www.XPRESSKIT.com and be sure to print the LATEST corresponding installation manual for the firmware that is flashed to the platform you are using.

See Wire Connection Guide for detailed information regarding wire functionality



WIRE GUIDE : CONNECTIONS

10 PIN HARNESS → D2D = Optional use of 4 Pin Data to Data (D2D) cable will replace the analogue wire (w2w) connection

PIN#	WIRE COLOR	D2D W2W	I/O STATUS	(-) / (+)	Connect Location	SPECIFIC WIRE CONNECTION LOCATION	ACTIVATION and/or FUNCTIONALITY
1	Brown	D2D W2W	Input	(-)	RCS	Ground When Running output of remote starter.	Activate Immobilizer override
2	Green	W2W	Input	(-)	Vehicle	Connect to vehicle Security LED wire. *To turn LED off, connect Green wire from module to corresponding Security Light Wire. *See Vehicle Wiring Reference Chart	Prevents Security LED to come on during remote start *See Tech Notes for Camry 4 cyl and Tacoma v6
3	Blue	W2W	Input	(+)	Vehicle	Ignition	Ignition Power Source
4	Violet/ White	W2W	Data Input	IMI	Vehicle	Connect to vehicle side of IMI wire. *See Vehicle Wiring Reference Chart	Data Commands from Module to Vehicle
5	Violet	W2W	Data Output	IMI	Vehicle	Connect to ECM side of IMI wire *See Vehicle Wiring Reference Chart	Data Commands from Module to Vehicle
6	Pink/ White	N/C	N/C	N/C	N/C	N/C	N/C
7	Pink	N/C	N/C	N/C	N/C	N/C	N/C
8	Orange	W2W	Data Input	IMO	Vehicle	Connect in parallel with IMO wire *See Vehicle Wiring Reference Chart	Data Commands from Module to Vehicle
9	Red	D2D W2W	Input	(+)	Vehicle	Constant (+) 12 Volt Source	Power Source
10	Black	D2D W2W	Input	(-)	Vehicle	Chassis Ground	Ground Source

Legend RCS = Remote Control System N/C = No Connection N/A = Not Applicable W2W= analogue wire to wire D2D= data 2 data

DATA to DATA PORT (D2D): Blue connector of D2D Cable plugs into the upgradeable vehicle interface module.

OPTION A: - D2D Port used to connect to USB Bootloader adaptor & computer to download & flash vehicle interface firmware.

OPTION B: - D2D Port used to connect to the data port of a remote control system equipped with ClearCode Vehicle Interface Protocol.

Remote control systems designed with ClearCode VIP can securely communicate via the D2D cable to transmit & receive data commands which initiate specific vehicle function such as doorlocks & immobilizer override and /or request information from the vehicle such as status of entry points (doors) or ambient temperature, diesel glow plug etc... ClearCode VIP represents the doorway to vehicle integration...As an enhanced security feature, this upgradeable vehicle interface module automatically detects when the Vehicle Interface Protocol is present and deactivates the analogue override input wire (brown wire) ensuring that this module can only be activated by an authorized user.

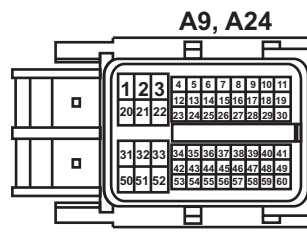
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VEHICLE WIRING REFERENCE CHART

MODEL	YEAR	PIN	DATA IMO	PIN	DATA IMI	ECU CONN.	PIN	SEC. LIGHT WIRE*	SECURITY LIGHT WIRE LOCATION
4 Runner	2003-2004	26	Lt Blue/Red	27	White/Red	E7	5	Violet/White	At security light
4 Runner	2005-2009	15	Lt Blue/Red	16	White/Red	E7	5	Violet/White	At security light
Avalon	2005-2007	15	Lt Blue	16	Brown	D41	24	White	At security light
Avalon	2008	10	Green	11	Orange	Passenger Kick panel, Top connector, 18pins White Connector		Pink	Driver's side Junction Box, Connector DK
Camry- IMZ-FE	2005-2006	26	Lt Blue/Black	27	Red/Lt Blue	E7		Violet	At security light
Camry-2AZ-FE	2005-2006	15	Lt Blue/Black	16	Red/Lt Blue	E7		Violet	At security light
Camry-2GR-2AZ-FE	2007	10	Green	11	Yellow	E15		Yellow	At security light
Camry 2GR-FE	2008	10	Green	11	Yellow	A55		Yellow	At security light
Camry 2AZ-FE	2008	10	Green	11	Yellow	A24		Yellow	At security light
Solara-Coupe	2004-2007	26	Brown/White	27	Violet/Green	E5	2	Red/White	At security light
Solara-Conv.	2004-2007	26	Brown/White	27	Brown/Red	E5	2	Violet	At security light
Solara-2AZ-FE	2006-2007	26	Brown/White	27	Violet/Green	E5	2	Red or Violet	At security light
Solara-3MZ-FE	2006-2007	15	Brown/White	16	Violet/Green	E5	2	Red or Violet	At security light
Corolla	2005-2007	26	Black	27	White	E5		Red/White	At security light
Corolla	2009	10	Lt Green/Black	11	Pink	A50			
ES 330	2004-2006	26	Lt Blue/Yellow	27	Red/Lt Blue	E7	4	Violet	At security light
FJ Cruiser	2008	15	Blue/Orange	16	White/Red	E46		Violet/White	At security light
GX 470	2003-2004	26	Lt Blue/Red	27	White/Red	E8	20	Violet/White	At security light
GX 470	2005-2007	15	Lt Blue/Red	16	White/Red	E8	20	Violet/White	At security light
Highlander Hybrid	2006-2007	28	Violet	22	Orange	H12	2	Black	At security light
Highlander Hybrid	2008-2009	28	Brown	22	Blue	D36			
Highlander	2004-2007	26	Violet	27	Black	E6	2	Black	At security light
Highlander	2008-2009	15	Brown	16	Blue	D36			
Land Cruiser	2003-2005	26	Yellow	27	White	E8		Green/Red	At security light
Land Cruiser	2006-2007	15	Yellow	16	White	E8		Green/Red	At security light
Land Cruiser	2008-2009	29	White/Red	40	Red/Green	A38			
LS 430	2001-2003	23	Grey/Red	24	Grey/Green	E2	3	Red	At security light
LS 430	2004-2006	7	Grey/Red	6	Grey/Green	E2	3	Red	At security light
LX 470	2003-2005	26	Yellow	27	White	E9	3	Green/Red	At security light
LX 470	2006-2007	15	Yellow	16	White	E9	3	Green/Red	At security light
Matrix	2005-2007	26	Black	27	White	E5		Red/White	At security light
Matrix	2009	10	Lt Green/Black	11	Pink	A50			
Rav4	2004-2005	26	Red	27	Red/Green	E7	3	Green/Red	At security light
Rav4	2006-2008	10	Lt Green	11	Pink	A9	8	Yellow	At security light
RX 330	2004-2006	26	Lt Blue	27	Grey	E6		Pink	At security light
RX 400 hybrid	2006-2007	28	Lt Blue	22	Grey	H29		Pink	At security light
RX 350	2007	15	Lt Blue	18	Grey	E6		Pink	At security light
SC 430	2002-2004	23	White/Lt Blue	24	Black/Red	E5	3	Black	At security light
SC 430	2005-2007	7	White/Lt Blue	6	Black/Red	E5	3	Black	At security light
Sequoia	2003-2004	26	Lt Blue/Yellow	27	Pink/Green	E5	16	Lt Green/Black	At security light
Sequoia	2005-2007	15	Lt Blue/Yellow	16	Pink/Green	E5	16	Lt Green/Black	At security light
Sequoia	2008-2009	29	Pink	40	Black	A27		Violet	At security light
Sienna	2004-2006	26	Brown/White	27	Brown/Red	E5	4	Black	At security light
Sienna	2007-2009	15	Brown/White	16	Brown/Red	E5		Black	At security light
Scion tC	2005-2006	26	Grey	27	Orange	E5		Black	At security light
Scion tC	2007	15	Grey	16	Orange	E5		Black	At security light
Tacoma	2005-2009	15	Lt Green/Black	16	Lt Blue/White	E7	6	Violet/White	At security light
Tundra	2006	15	Lt Green	16	Green/Black	E4	17	White	At security light
Tundra	2007-2009	29	Pink	40	Black	A24		Violet	At security light
Vibe	2009	10	Lt Green/Black	11	Pink	A50			
Yaris	2007	10	Orange	11	White	A21	2	Lt Green	At security light

ECM CONNECTORS

ECM connectors can be found behind glove compartment or at times in engine compartment.

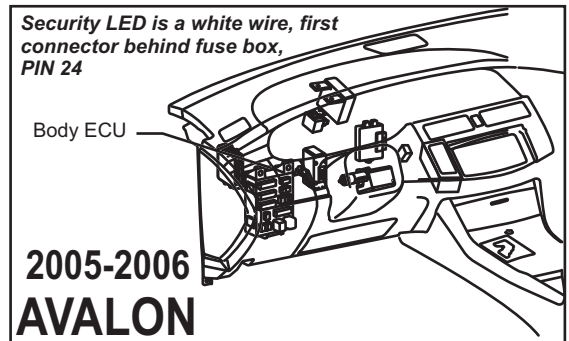
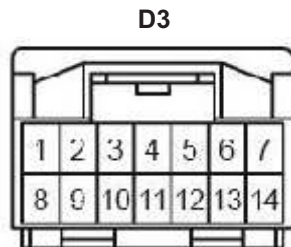
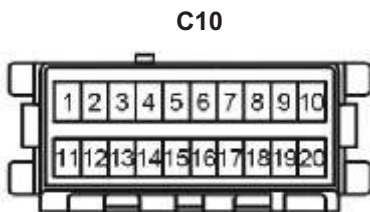


E5, D41, E7, E6, E8, E9, E2, E46



SECURITY LIGHT CONNECTORS

*Security Light Wire: The connection of this wire is not mandatory to the operation of the module. This wire should only be connected if the security light in vehicle is flashing; once the vehicle has been started by key after remote start. (key take-over)



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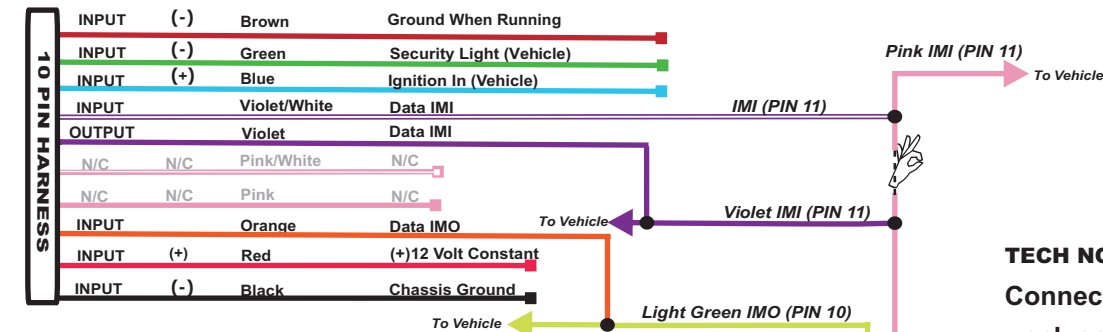
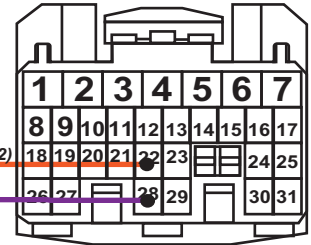
Lexus Hybrid 2006, Highlander HV (Hybrid) 2006-2007



TECH NOTE:

Connector from ECM must be unplugged to verify the shape.

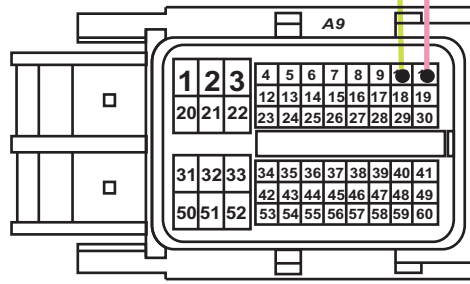
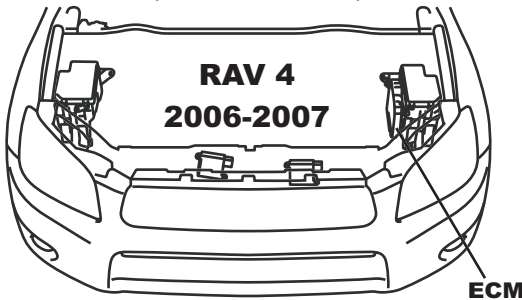
PLUG SIDE VIEW OF ECM CONNECTOR



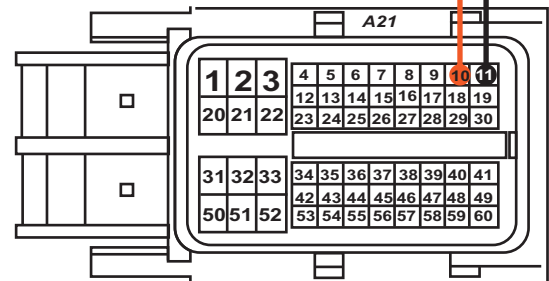
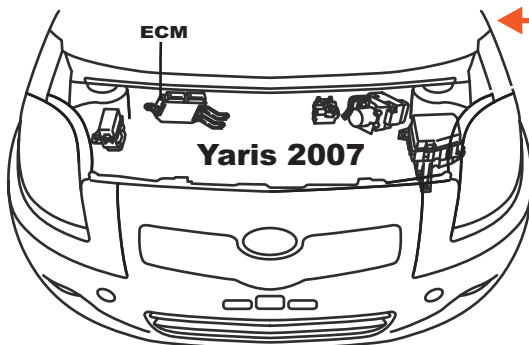
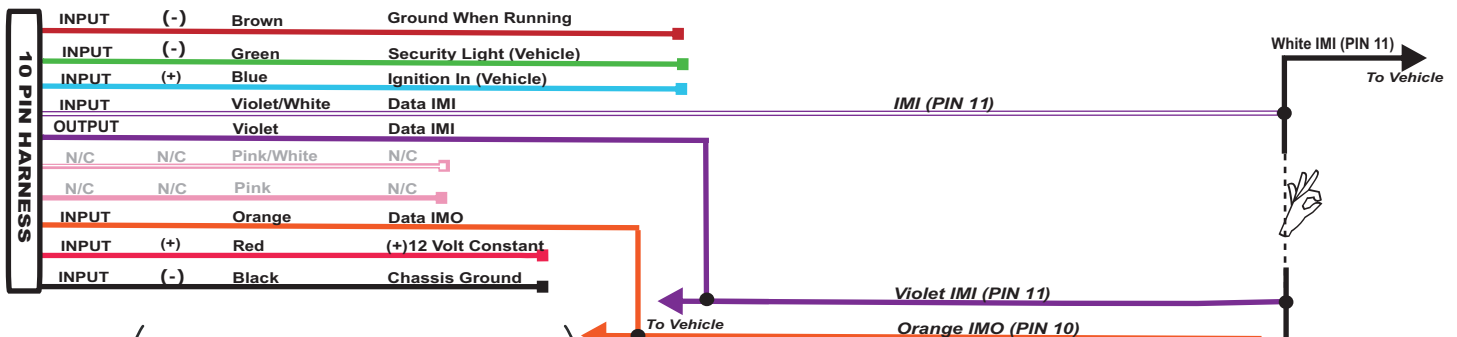
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RAV4 2006-2007: A9 Black Connector (Smallest connector)



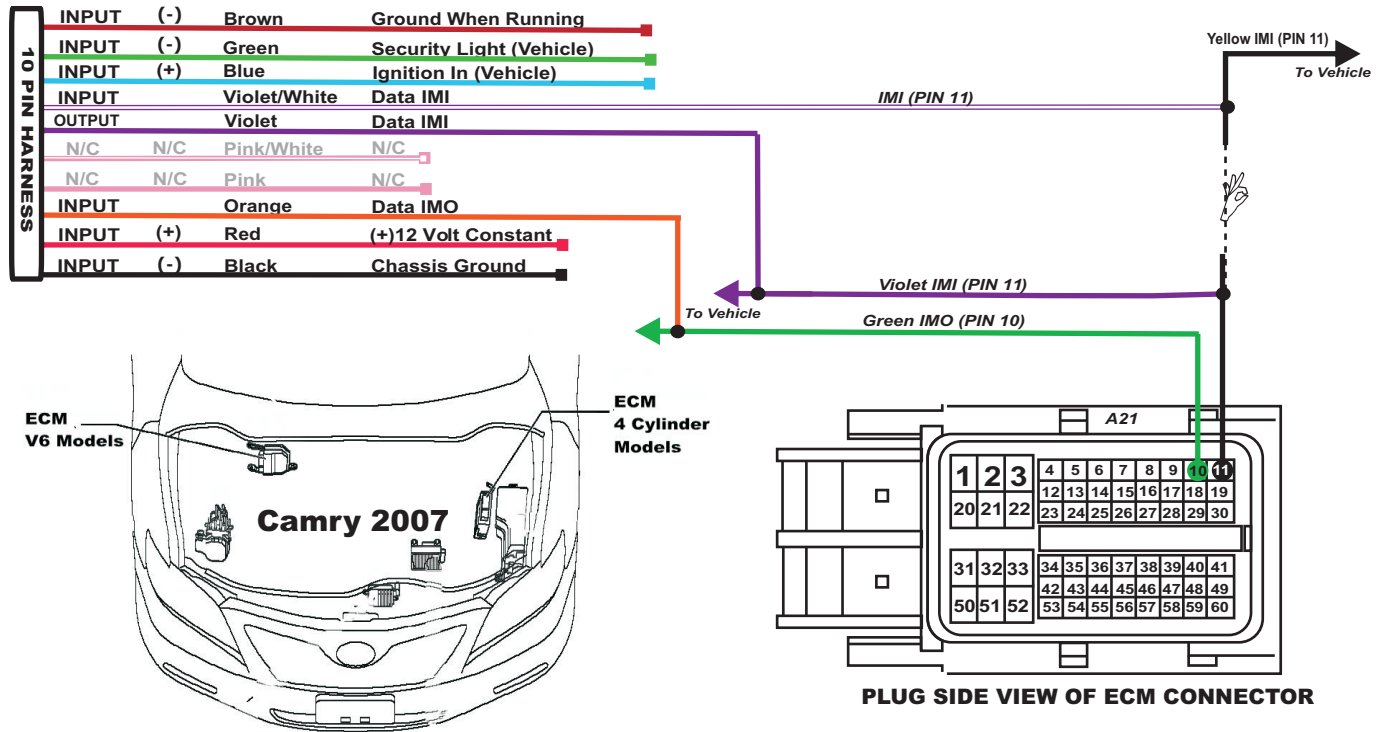
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PLUG SIDE VIEW OF ECM CONNECTOR

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Toyota Camry 2007



VEHICLE PROGRAMMING:

- 1) Connect the module and turn key to ignition position. LED will come ON solid; start vehicle.
- 2) LED turns off. Module is now programmed.
- 3) If the LED does not turn off, check all wiring and reset kit. Repeat steps 1 & 2.

**To RESET, press and hold button and plug in module. LED comes on. When LED goes off, release button.*

TECH NOTES:

FOR CAMRY 4 CYL AND TACOMA V6:Wiring can be found in position 15 and 16 (PIN 15 instead of PIN 26 and PIN 16 instead of PIN 27). This connector is located behind glove compartment at ECM. The connector should match the diagram as see above.

FOR 2007 TUNDRA: ECM located under hood, passenger side - firewall

FOR LS430: ECM located under hood, driver's side, left of headlight

IF SECURITY LIGHT STAYS ON:

Once you've remote started the car, security light will turn off only with key in ignition switch and brakes applied. (Remote starter off)

This Interface kit / Data Bus Interface part has been tested on the listed vehicles. Other vehicles will be added to the select vehicle list upon completion of compatibility testing. Visit website for latest vehicle application guide. **DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the bypass kit / data bus interface part(s) be held liable for any consequential damages sustained in connection with the part(s) installation. The manufacturer and its distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the interface kit / databus interface part(s) other than its replacement. N.B.: Under no circumstances shall the manufacturer and distributors of this product be liable for consequential damages sustained in connection with this product and neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than the replacement of this product only

