PART NUMBER: 250-9507

GENERAL APPLICABILITY

FORD F-150 WITH (ATOR M/T)

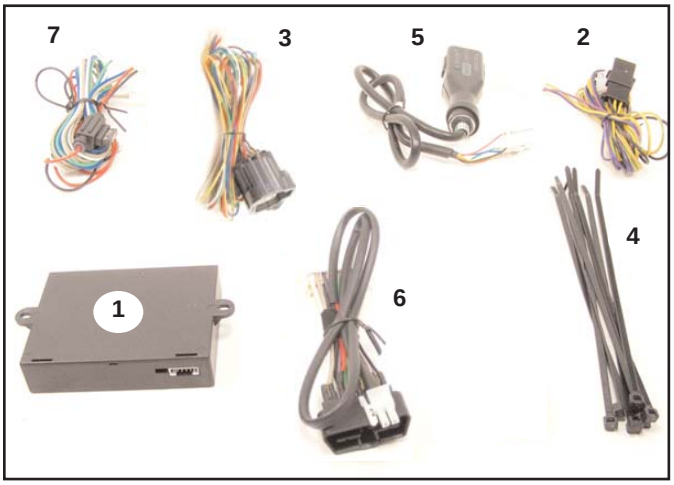
M&R AUTO ELECTRONICS

1-800-343-1382

Please call for technical assistance.
You will need your invoice number.

KIT CONTENTS/SERVICE PARTS

ITEM	QTY	DESCRIPTION	PART#
1	1	CRUISE CONTROL MODULE	250-2834
2	1	SWITCH HARNESS	250-2760
3	1	PEDAL INTERFACE HARNESS	250-2807
4	1	HARDWARE KIT	250-2767
5	1	CONTROL SWITCH	250-3742
6	1	DIAGNOSTICS HARNESS	250-2785
7	1	MAIN WIRING HARNESS	250-2759



HARDWARE BAG CONTENTS

ITEM	QTY	DESCRIPTION
1	8	WIRE ZIP TIES
2		
3		

LEGEND

STOP: DAMAGE TO VEHICLE MAY OCCUR. DO NOT PROCEED UNTIL PROCESS COMPLIANCE HAS BEEN MET.

OPERATOR SAFETY: USE CAUTION TO AVOID RISK OF INJURY.

CRITICAL PROCESS: PROCEED WITH CAUTION TO ENSURE A QUALITY INSTALLATION. THESE POINTS WILL BE AUDITED ON A COMPLETED VEHICLE INSTALLATION.

GENERAL PROCESS: THIS HIGHLIGHTS SPECIFIC PROCESSES TO ENSURE A QUALITY INSTALLATION. THESE POINTS WILL BE AUDITED DURING THE ACCESSORY INSTALLATION.

TOOLS & EQUIPMENT: THIS CALLS OUT THE SPECIFIC TOOLS AND EQUIPMENT REQUIRED FOR THE PROCESS.

REVISION MARK: THIS MARK HIGHLIGHTS A CHANGE IN INSTALLATION WITH RESPECT TO PREVIOUS ISSUE.

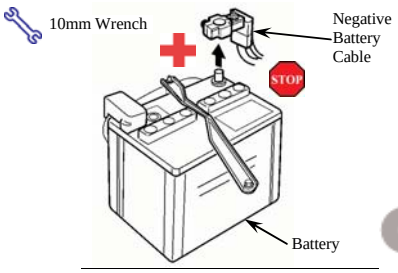
WARNING: DO NOT USE HAND-HELD 2-WAY TRANSCEIVERS INSIDE YOUR VEHICLE WHILE DRIVING.

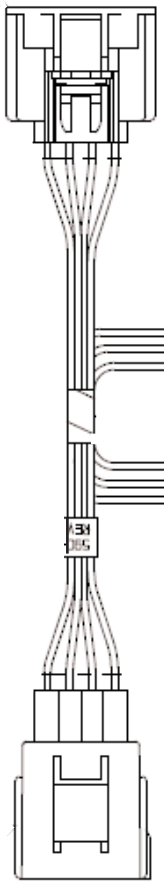
WHEN TRANSMITTING FROM INSIDE THE CAR, 2-WAY RADIOS THAT OPERATE IN THE 25MHZ-700MHZ FREQUENCY RANGE WITH MORE THAN 2.0 WATTS OF POWER CAN PRODUCE ELECTROMAGNETIC INTERFERENCE THAT COULD INTERFERE WITH THE OPERATION OF CRUISE AND THROTTLE CONTROLS RESULTING IN VEHICLE "LIMP MODE".

USE OF CELLULAR PHONES WILL NOT INTERFERE WITH THESE CONTROLS.

DUE TO SENSITIVE NATURE OF SIGNALS USED FOR THIS PRODUCT, ALL NON-PLUG AND PLAY CONNECTIONS MUST BE SOLDERED. VEHICLE ACCELERATOR WILL PRODUCE “LIMP MODE” OR LOSS OF POWER CONDITION IF CONNECTIONS ARE NOT INSTALLED CORRECTLY. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL VOID WARRANTY.

INSTALLATION



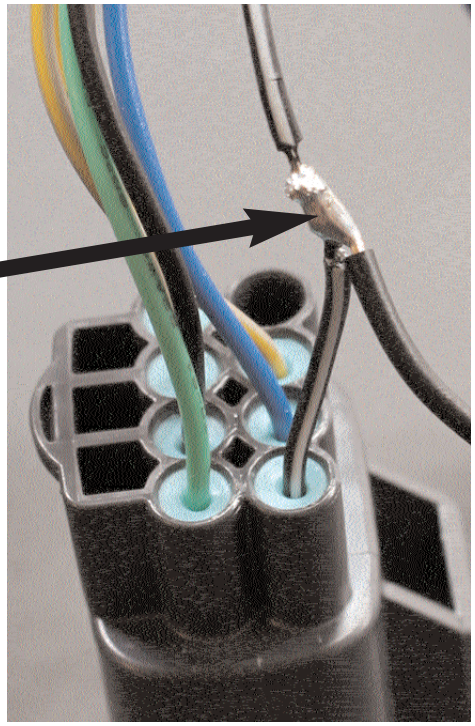


Red

Black

White

Cut off ground terminal on Black wire of cruise harness. Then solder and tape Black wire to position 1 of the accelerator pedal interface connector Black/White wire for ground as shown in picture below



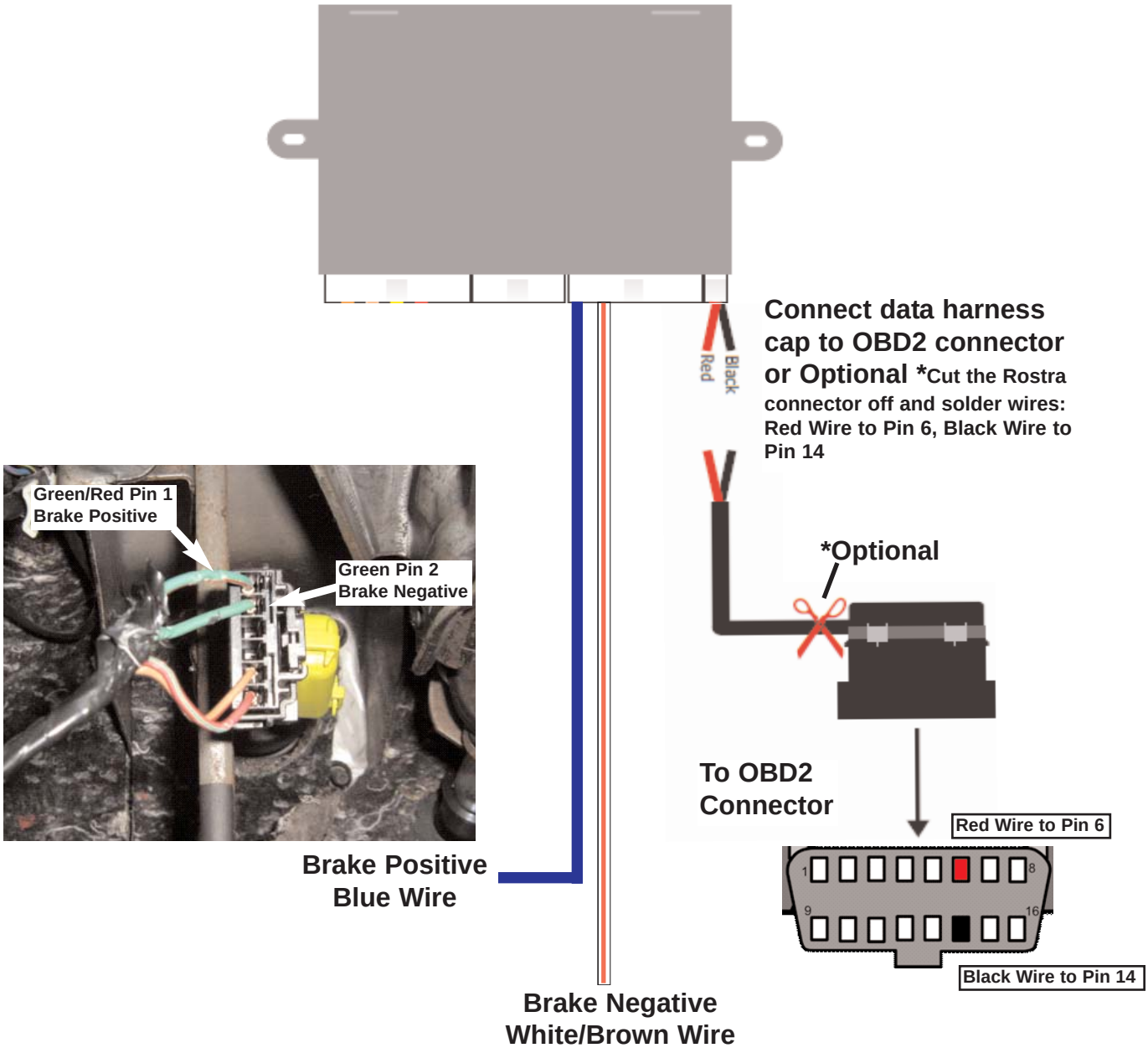
Ground

Ignition Red Wire

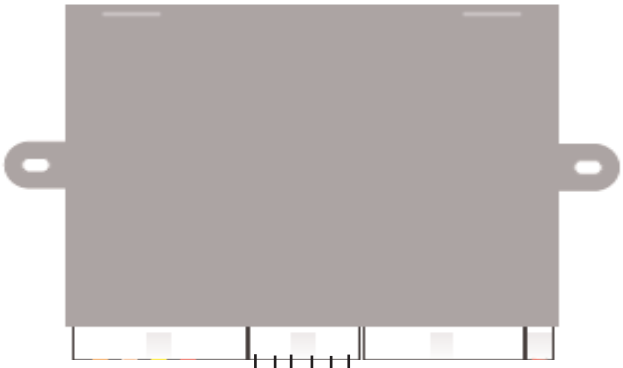
Connect to the accelerator pedal

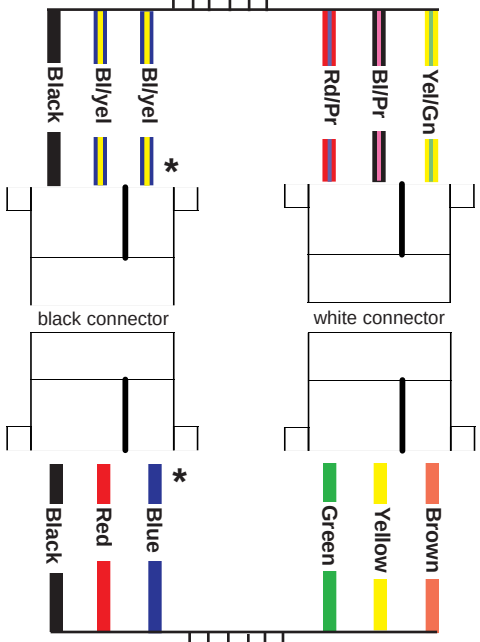
Clutch (ground triggered)

Note:For vehicles with manual transmission only. Connect Clutch Harness to Control Module. Connect White Wire to Clutch Switch



Note: Only use the wires listed in the instructions for Main Wiring Harness connections. All other wires are not used.

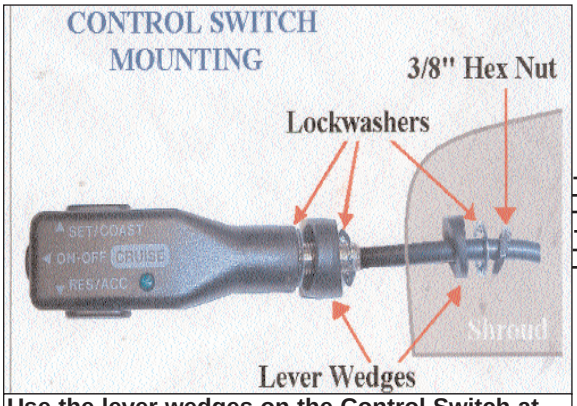




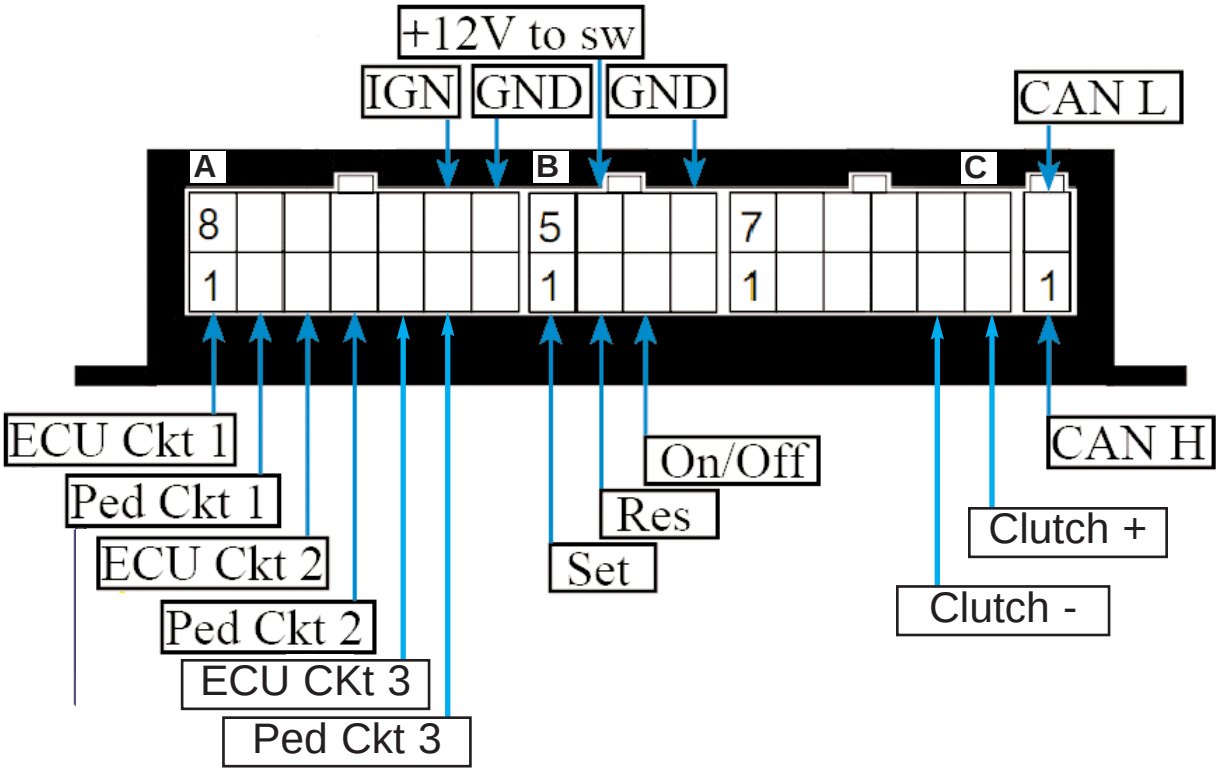
Switch Harness	Rostra Switch
BLACK	BLACK
BLUE/YELLOW	RED
BLUE/YELLOW*	BLUE*
RED/PURPLE	GREEN
BLACK/PURPLE	YELLOW
YELLOW/GREEN	BROWN

* Both Blue/Yellow wires are spliced together. Just connect one BLU/YEL wire to the BLUE, and the other to the RED. The order does not matter.

Do not drill hole for control switch before testing the cruise system



Use the lever wedges on the Control Switch at an angle template to drill a 3/8" or 9.5mm hole



PIN	COLOR	DESIRED RESULTS	FAULT CONDITION
13A	RED	+12V WHEN SWITCHED ON AND +OV WHEN SWITCHED OFF. IGNITION MUST BE GREATER THAN +10V WHILE CRANKING VEHICLE.	NO POWER, VOLTAGE DROP, OR INTERMITTENT CONNECTION WILL CAUSE LOSS OF PEDAL OR "LIMP MODE" CONDITION.
14A	BLACK	LOWEST RESISTANCE TO GROUND AND CLOSEST TO ZERO (0) OHMS AS POSSIBLE. USE A VEHICLE GROUND POINT WHERE OTHER GROUND WIRES ARE CONNECTED TO.	A BAD GROUND CONNECTION WILL CAUSE THE FOLLOWING CONDITIONS: CRUISE WILL NOT FUNCTION, LOSS OF PEDAL OR "LIMP MODE" CONDITION.
1B	GREEN	SET/COAST: 12V PRESS AND HOLD SET	CRUISE WILL NOT SET IF THIS CONNECTION IS NOT INSTALLED CORRECTLY.
2B	YELLOW	RESUME/ACCEL: 12V PRESS AND HOLD RESUME	CRUISE WILL NOT RESUME OR ACCEL IF THIS CONNECTION IS NOT INSTALLED CORRECTLY.
3B	BROWN	ON/OFF: 12V PRESS ON	CRUISE WILL NOT SET IF THIS CONNECTION IS NOT INSTALLED CORRECTLY.
6B	RED AND BLUE	12V	CRUISE LIGHT WILL NOT COME ON IF THESE CONNECTIONS ARE NOT INSTALLED CORRECTLY.
8B	BLACK	(0) OHMS RESISTANCE TO GROUND	
5C	WHITE	GROUND ACTIVE WIRE AT SWITCH WHEN CLUTCH IS DEPRESSED.	CRUISE WILL NOT FUNCTION IF WRONG WIRE IS CONNECTED -OR- CRUISE WILL NOT DISENGAGE WHEN CLUTCH IS DEPRESSED.
6C	YELLOW	+12V ACTIVE WIRE AT SWITCH WHEN CLUTCH IS DEPRESSED.	