

**Packing list - Speed Limiter kit for:
Polaris Ranger 700 EFI from 2007
With factory fit speedometer**

SL 2340 FIC P24 kit

Pack in small kit carton (MCS 002XS)

QUANTITY: _____
SPEED LIMIT: _____
STANDARD: ☐
TAMPER RES: ☐
SETUP SWITCH: _____

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
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NOTE: - Make sure appropriate program is loaded to suit (tick one):

Standard (900)
Tamper Resistant (901)

1	SL 2340C P24	Computer - (place in small bag)
2		Velcro mounting tape 7cm long (computer mounting)
		Turn ON speed limiter and set to 24 kph (15mph) OR speed selected by customer
1	MCS820-160CM	MCS Control Switch for Speed Limiter – OPTIONAL

NOTE: - Make sure appropriate wiring to speed limiter relay to suit program (tick one):

Standard (900)
Tamper Resistant (901)

OR

1	SL 2341 FIC P24	Ranger 700 EFI speed limiter harness
fitted with:		
1	MCS 091	27 ohm 10 watt power resistor (Injector load resistors)
1	Set up Manual	
1	Installation Manual for Polaris Ranger 700 EFI	

Parts bag contents (medium size bag, 150mm x 255mm)

1		8g x 3/8" self-tap screw (relay mounting)
2	H1143/H2590	4.8mm Q.C. spade receptable (speed sensor connection)
1	H2088	Insulator for 4.8mm Q.C. spade receptable (speed sensor connection)
10		150mm cable ties
10		200mm cable ties
2	X S30L	Tamper Evident Seal



“SpeedSafe”
ATV Electronic Speed Limiter
Installation Manual ©

POLARIS RANGER 700 EFI from 2007
With factory fit speedometer

Part Number SL 2340 FIC

30 September 2026

MOTORCYCLE CRUISE CONTROLS

MotorCycle Setup Pty. Ltd.
A.B.N. 94 798 167 654
AUSTRALIA

Fuel Injector Cut Speed limiter kit for: Polaris Ranger 700 EFI from 2007

Parts list for **Kit SL 2340 FIC P24**.

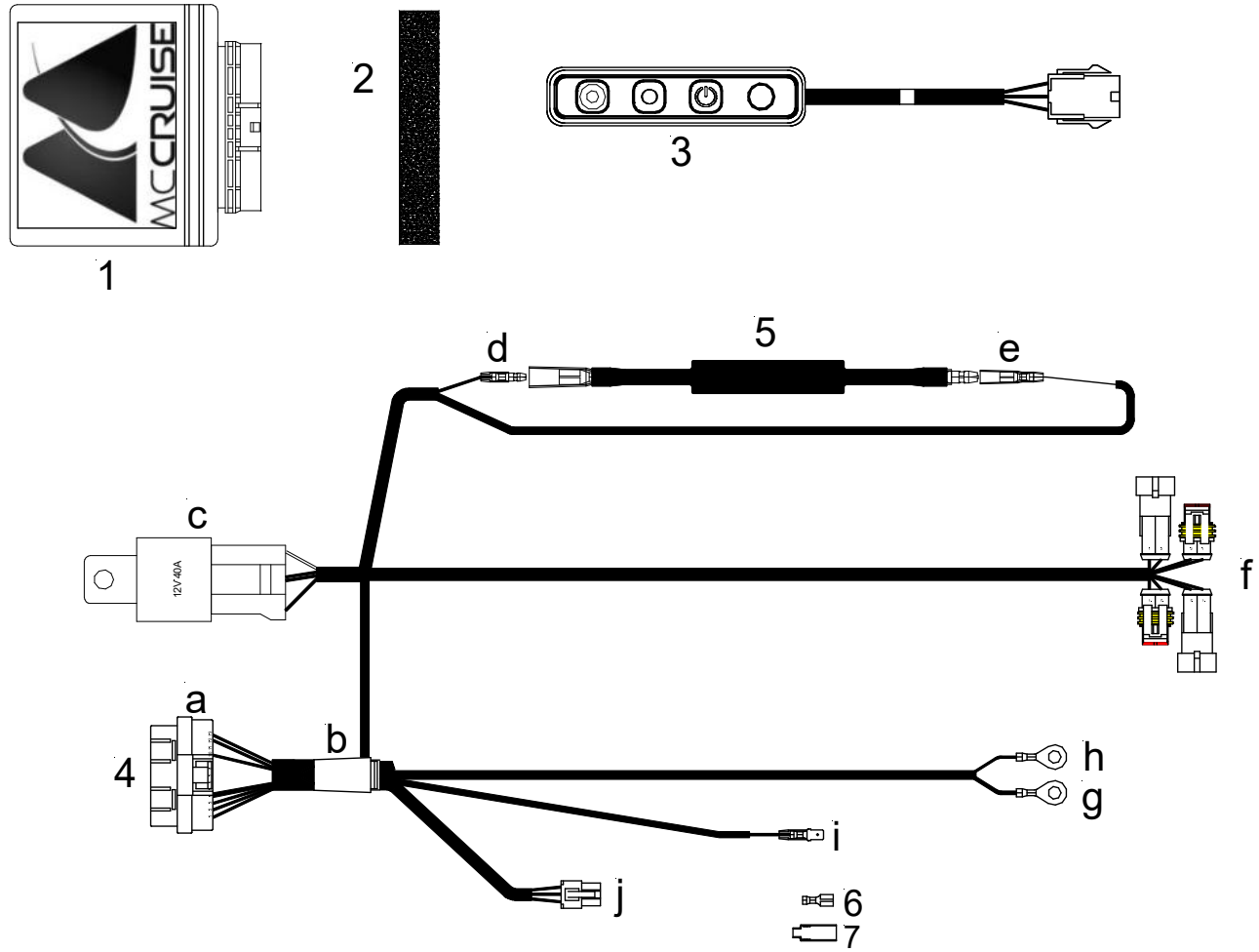
Item	Qty	Part Number	Description
1	1	SL 2340C P24	Computer
2	2		Velcro mounting tape 7cm long (computer mounting)

Item 3 is optional if more than one vehicle is fitted with the speed limiter

3	1	MCS 160 - MFJ	Switch assembly for setting up speed limiter
4		SL 2341 FIC	Wiring harness
a			Computer plug (26 way)
b			Power fuse (1 amp)
c			Speed limiter control relay
d			Relay load resistor connector
e			Relay load resistor connector
f			Injector connectors
g			Ground connector (black wire)
h			Power connector (orange wire)
i			Speed Sensor connector (blue/black wire)
j			Setup switch connector
5	1	MCS 091	Relay load resistor (27-ohm 10 watt)
6	2	H1143/H2590	4.8mm Q.C. spade receptacle terminal
7	1	H2088	Insulator for 4.8mm Q.C. spade receptacle terminal
	1		8g x 3/8" self-tap screw (relay mounting)
	10		150mm cable ties
	10		200mm cable ties
			Installation Manual for Ranger 700 EFI
			Setup Manual

Fuel Injector Cut Speed limiter for Polaris Ranger 700 EFI from 2007 ©

Parts list drawing



CAUTION

Your new “Speed Safe” speed limiter has been designed to provide a speed related engine cut out for your ATV.

This is achieved by momentarily cutting the fuel injector and then turning it back on again. The speed limiter function is achieved by doing this rapidly so the engine appears to be misfiring. The duration and frequency of the ‘misfire’ can be tailored to suit your needs. It can be a ‘fixed’ cut when the limiting speed is reached or a variable cut that increases the severity of the misfire with increased speed to achieve a ‘soft’ speed limiter.

While this function has been tested on the ATV listed, we cannot guarantee that long term operation with the speed limiter operating (continuous running with the speed limiter limiting the vehicle speed) will not result in damage to the vehicle fuel injection system, ignition system, engine, transmission or exhaust system.

To discourage this behaviour from the operator, there is also a ‘penalty mode’ that may be enabled that causes the vehicle to be slowed if the operator runs at a speed that has the speed limiter operating continuously for more than 5 seconds. The amount that the vehicle is slowed and the period of time it is slowed is selectable.

MotorCycle Setup P/L offers NO warranty for damage to the vehicle caused by use of the speed limiter. Fitment and use of the speed limiter is at the vehicle owner’s risk.

MotorCycle Setup Pty. Ltd.

Speed Limiter Kit Installation Manual ©

To suit Polaris Ranger 700 EFI – from 2007

WARNING: - This speed limiter will function properly only if your vehicle has resistor type (radio suppression) ignition wires (spark plug leads). The speed limiter may not function properly if aftermarket SOLID CORE spark plug wires are installed.

If, after reading these instructions, you feel you are not competent to install this kit, we strongly urge you to seek the assistance of one of our authorised dealers and installers. Please phone or e-mail us to obtain the name of your nearest outlet.

CONTENTS

Chapters 1 to 5 and 8 to 11 are contained in the separate Information, Set up and Operation manual.

6. PREPARING THE VEHICLE FOR SPEED LIMITER INSTALLATION

7. INSTALLATION

This manual contains several **cautions**, **warnings** and **notes**, which are prominently displayed. The convention used is:

A **warning** applies whenever injury could result from ignoring the warning;

A **caution** applies whenever damage to the vehicle or speed limiter could result from ignoring the caution; and

A **note** applies where other aspects should be considered before any action to do with installation is undertaken.

EXAMPLES:

WARNING: - Always ensure the vehicle is properly supported on stands and cannot accidentally fall off.

CAUTION: - Before drilling any holes, make sure there are no components that may be damaged on the other side of the surface being drilled. Double check for any wiring harness that might be easily damaged by a drill bit.

NOTE: - Lay the wiring harness in place and connect the components before cable tying the harness in place.

PARTS LIST

Check that all components depicted in the parts list are included in the speed limiter kit. Please phone (03) 9808 2804 within Australia, international (61 3) 9808 2804 or e-mail sales@mccruise.com for advice, if any parts are missing;

6. PREPARING THE VEHICLE FOR SPEED LIMITER INSTALLATION

TOOLS REQUIRED

- Standard metric socket and spanner set;
- Set of Torx driver bits;
- Side cutters or knife (to trim cable ties);
- ‘Roll’ crimp electrical terminal crimpers (Utilux No. 61 or similar).

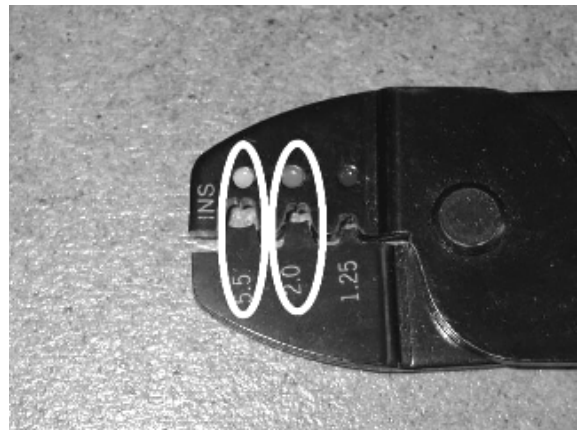
NOTE: - You will need a suitable ‘roll’ crimp terminal crimper to enable you to fit the supplied terminals to the vehicle’s wires. The crimper in the photo is an Utilux No. 61 and is suitable for the terminals supplied in the kit.



This photo shows the design of the jaws on these crimpers.

‘Crush’ terminal crimpers are NOT suitable for use on the supplied terminals.

These crimpers are available from MotorCycle Setup P/L at trade prices if desired.



The following disassembly operations must be performed to prepare the vehicle for cruise installation:

Perform the following operations:

- Remove the seat squab (the bottom part of the seat);
- Open the front compartment cover (bonnet or hood);
- Remove the storage tray or access hole cover in the front compartment;
- Disconnect the lead to the negative battery terminal;
- Remove the maintenance cover on the floor.

The following provides some detail on how to perform these operations.

Remove the seat squab.

- Pull up on the front of the seat on each side to disengage the retaining pins. Pull the seat up and forward to remove it.

Remove the front storage tray or cover.

- Pull the tray up to disengage the mounting pins or remove the rubber cover.

Disconnect the negative battery terminal.

- Remove the bolt in the negative battery terminal and remove the lead. Ensure that the lead cannot touch the battery terminal.

Remove the maintenance cover in the floor.

- Remove the attaching screws and remove the cover (this cover is the centre section of the floor in the passenger compartment).

7. INSTALLATION

Mounting the computer.

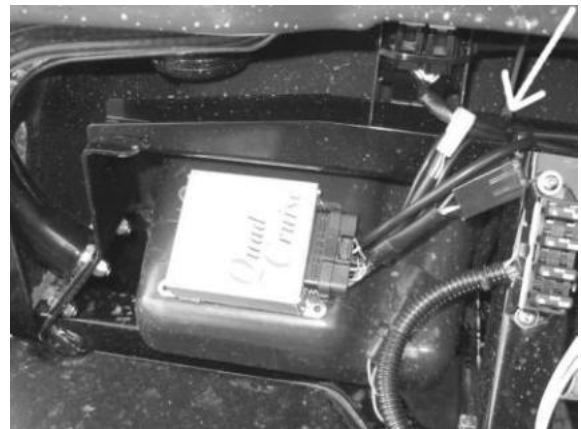
- Attach the computer to the top of the glove compartment using the supplied Velcro tape.

NOTE: - The computer shown in the photo is an older model.



Installing the wiring harness.

- The next steps will require you to identify the various branches of the wiring harness. There is a drawing in the parts list at the back of this manual that may assist in this.
- Connect the large plug on the harness to the cruise control computer. The latch on the plug faces up.
- Use a cable tie to hold the harness to the frame channel (arrowed).



Mounting the relay.

- We suggest using a cable tie to hold the relay in channel below the bonnet (front hood) hinge. A self tapping screw is also supplied in the kit and can be used instead if desired.

Note: - This photo shows two relays with the cable tie around the channel. Fit the relay to one side, and feed the cable tie through the hole in the channel to locate the relay.



- This will keep the relay vertical and well protected.
- Route all other branches of the cruise control harness to the left side of the vehicle, inside the frame channel.

NOTE: - There is a large resistor covered in heat shrink tube with the branches of the harness. Cable tie it to the channel with the other branches of the harness. Ensure that it is secure and will not move around. It does not have to be tight, but it must not be loose and be able to 'bounce'.

Fuel Injector Cut Speed limiter for Polaris Ranger 700 EFI from 2007 ©

Speed sensor connection

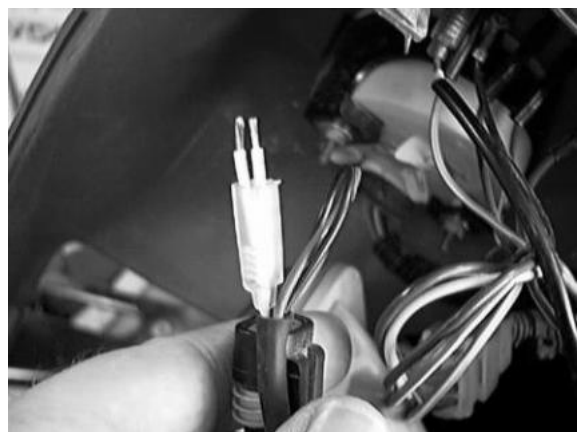
- The QuadCruise sources its speed signal from the vehicle speedometer sender. To do this you must tap into the wire from the speedometer sender to the speedometer.
- Locate the speed sensor wires on the back of the vehicle's speedometer. There are three wires going to a three-way plug in the back of the speedometer, one of each red, black and white.



- Pull this plug out from the back of the speedometer by lifting the locking latch and pulling out the plug. The white wire is the signal wire. You must cut this wire and install a spade terminal on the wire. You will need to strip back the rubber sheath over the wires to give about 50mm (2") of wire visible. **BE CAREFUL NOT TO DAMAGE THE WIRES WHEN YOU DO THIS.**

- You will find a pair of brass 'roll' crimp 4.8mm female spade terminals and an insulator in the kit. You will need a pair of 'roll' crimpers to use these terminals. A Utilux No 61 crimper is ideal.
- We have supplied two terminals to allow for mistakes! You only need one female terminal.

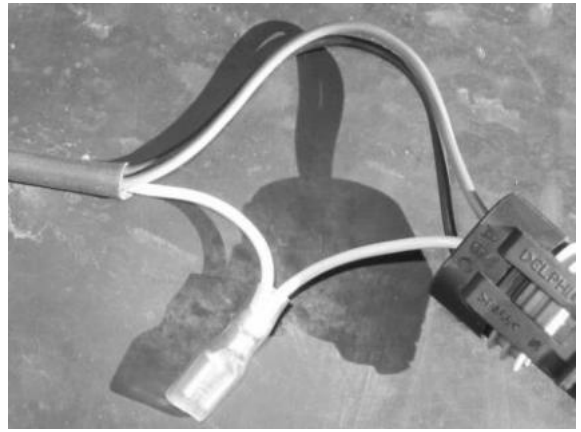
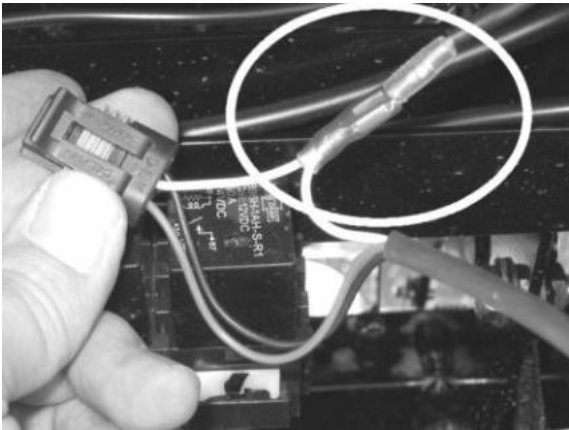
- Cut the white wire about half-way along the stripped section and strip the ends of the wires. Place the insulator over the wires.



- Place the female spade terminal on the wires, and crimp the terminal to the wires.

Fuel Injector Cut Speed limiter for Polaris Ranger 700 EFI from 2007 ©

- Cover the terminal with the insulator.



- Locate the speed sensor on the Speed Limiter harness. It is a single blue/black wire with a male spade terminal on the end.
- Connect the end spade terminal on the end of the speed sensor patch wire to the spade terminal that you fitted to the white speedometer sender wire.

- Re-connect the speed sensor plug to the speedometer.



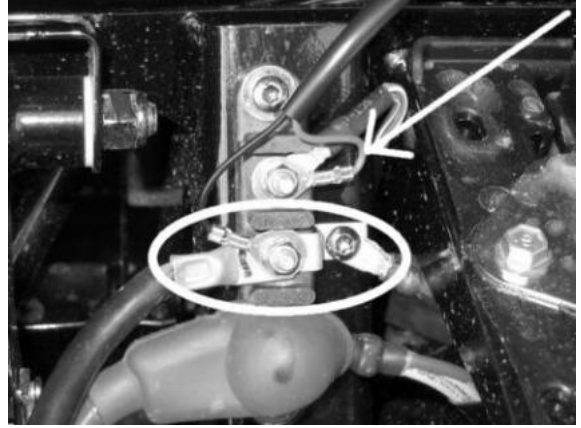
Connecting cruise control power and ground.

- Identify the power and ground branch of the harness. This branch has one orange wire with a ring terminal and a black wire with a ring terminal.
- Route this branch to the left side of the vehicle with the frame 'U' channel to the battery.



Fuel Injector Cut Speed limiter for Polaris Ranger 700 EFI from 2007 ©

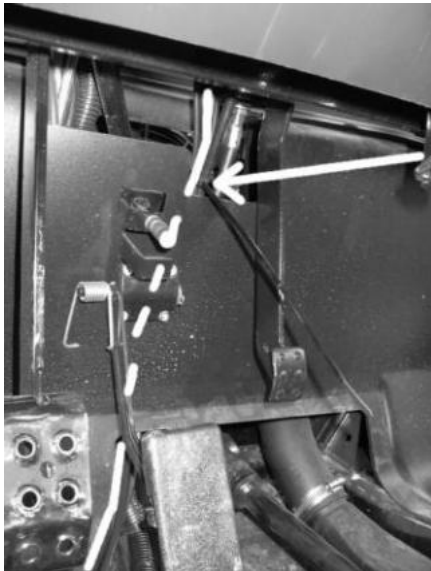
- Connect the orange power wire to the accessory power terminal post on the vehicle (arrowed). The vehicle's wires going to this post are orange/white.
- Connect the black ground wire to the accessory ground terminal post on the vehicle (circled).



- All connections at the front of the vehicle are now completed.

Routing the harness to the rear of the vehicle.

- Route the fuel injector branch down in front of the fire wall, between the fire wall and the steering column.



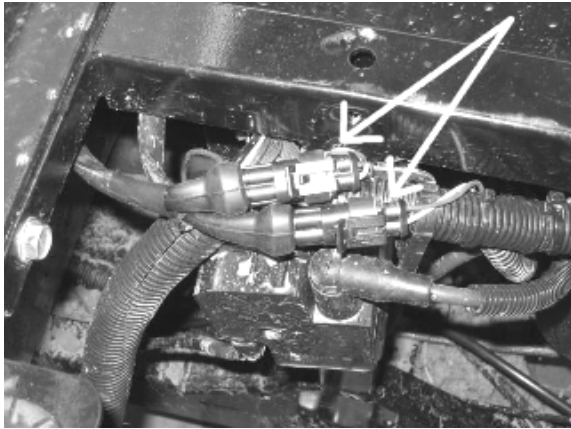
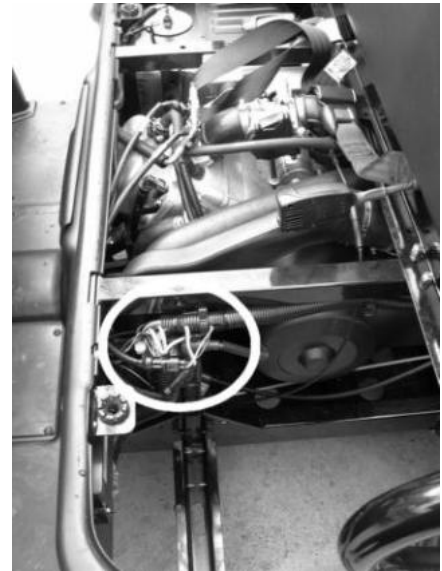
- Draw the branch out in the maintenance access area on the floor of the vehicle.
- Cable tie the wires to the control cables (arrowed) to prevent the wires contacting the steering column.



- Route the branch to the rear beside the large trunk of the vehicle's harness.

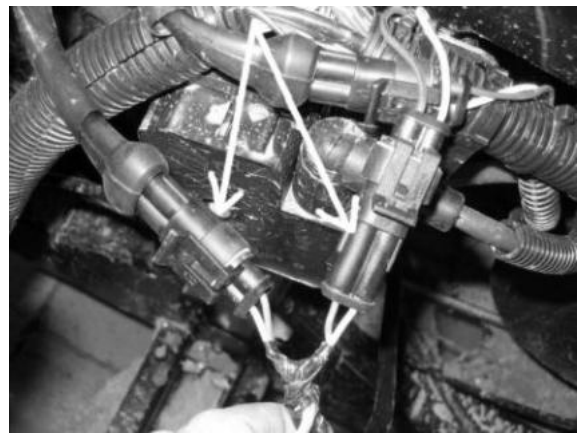
Fuel Injector Cut Speed limiter for Polaris Ranger 700 EFI from 2007 ©

- Continue routing the branch into the engine compartment to the fuel injector plugs (see next step).
- Identify the connecting plugs for the engine fuel injectors. These plugs are located on the left side of the vehicle under the seat circled in the photo).



- The plugs are both the same design. Each plug has red/black (red with a black trace or stripe) wire going to them. One plug also has a white wire, the other has white/black (white with a black trace or stripe).

- Disconnect ONE of the plugs only with the solid white wire (no black trace).
- The speed limiter harness has four plugs. Two of the plugs will have a white wire. The other wires are red and red/black.
- Connect these cruise control speed limiter plugs to the two fuel injector plugs. The speed limiter harness will bridge the connection to the fuel injector.



- Disconnect the other fuel injector plug (this one should have the white/black wire).
- The other two speed limiter plugs have a black wire in both plugs. The other wires will be red and red/black.
- Connect these speed limiter plugs to these fuel injector plugs.

Finishing up.

- Fit cable ties to all wires and cable where necessary to prevent damage from other moving or stationary parts.
- Check all wires and make sure they will not be damaged or crushed by other moving or stationary parts. Check that wires are as well protected as possible from damage from debris such as sticks getting caught in the wheels.
- Check that seat installation and inspection/maintenance covers will not damage any wires or other parts.
- Don't replace any bodywork until after diagnostic testing.
- This completes the installation. You can re-assemble the vehicle in the reverse order of disassembly, or set up and test the speed limiter first. Check that there are not loose fasteners that might be lost if you are going to set up and test before re-assembly.

Connecting the control switch for diagnostic testing and speed limiter set-up.

- Connect the control switch to the six-way plug on the speed limiter harness, near the computer. Note this photo is from a different vehicle and the switch shown in the photo is an older design.
- Route the wire into the driver's compartment so it can be used from the driver's seat.
- The switch will be used to perform the diagnostic test on the speed limiter, and to set-up the speed limiter. After testing and set-up, it will be disconnected.



Your speed limiter is now ready for testing and configuration. In most cases, the speed limiter will be turned ON and set to 25kph (15mph) or the speed requested when the unit was ordered.

Instructions for turning on and configuring the speed limiter are contained in the Speed Limiter Setup Manual.

Speed limiter enable/disable and configuration modes.

Refer to page number 8 of the separate Setup Manual.

The manual has this title:

**“SpeedSafe”
ATV Electronic Speed Limiter
Set up Manual ©**

NOTES: