



INSTALLATION MANUAL

MC-2990/MC-2991 Arnott Ultimate Ride Kit 14-Current Indian® Scout® Series (w/o ABS)



MC-2990



MC-2991



ELEVATE YOUR RIDE.®

CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® MOTORCYCLE SUSPENSION SYSTEM

This system provides you with the ability to maintain your bike at a constant level regardless of load, resulting in enhanced vehicle ride, handling, and performance. We at Arnott LLC are proud to offer a high quality product with all the technical support you need. Thank you for your confidence in us and our product.

GENERAL INFORMATION

Proper installation is essential to experience and appreciate the benefits of this system. Please take a moment to review these installation instructions before you begin to install these components on your motorcycle. The removal and installation of air suspension products should only be performed by a fully qualified, certified motorcycle professional.

It is equally important to be aware of all necessary safety measures while installing your new Air Suspension System. This includes proper lifting and immobilizing of the motorcycle and isolation of any stored energy to prevent personal injury or property damage.

Reading this manual signifies your agreement to the terms of the general release, waiver of liability, and hold harmless agreement, the full text of which is available at www.arnottcycles.com and www.arnottcycles.eu.



WARNING:

DO NOT inflate the air suspension system until it is installed. Inflation of the air suspension system before both ends are supported by the motorcycle's frame and/or appropriate suspension components may result in serious personal injury and/or damage to the air suspension system. The maximum recommended air spring inflation pressure is 200 psi.

- Avoid damage to air lines and electrical components.
- Removal and installation is only to be performed by fully qualified personnel.

CAUTION:

This manual is meant to provide basic installation guidelines which can help prevent damage to the motorcycle and air suspension system. Each owner or installer is unique, therefore installation of this system can be done many different ways. The mounting locations of the compressor and inflation switch are suggestions by our engineers. If proper wiring guidelines and instructions are followed, relocation of the compressor or switch will neither affect the system operation nor void your warranty.

To avoid the possibility of short circuits while working with electric components consult your owner's manual on how to disconnect your battery.

Refer to the Owner's Manual for the bike and instructions for the motorcycle lift for all correct lifting procedures. It is also recommended that you protect any chrome or painted surfaces that may be damaged during lifting, removal or installation process.

Adjust air shock pressure as required for desired ride quality to maximize the benefits of your system. Excess pressure will result in a firmer ride, too little pressure will allow the suspension to bottom out.

COMPONENTS

MC-2990 — 14-CURRENT INDIAN SCOUT SERIES (W/O ABS) — BLACK

20-10785 INFLATION KIT		
PART NO.	DESCRIPTION	QTY
29-13435	POTTED RELAY	1
21-7268	4MM AIRLINE X 6FT. ACCESSORY KIT	1
21-7269	4MM VOSS AIR FITTING ACCESSORY KIT	1
21-7271	HARNESS CABLE TIES ACCESSORY KIT	1
21-7272	SPLIT LOOM - 1FT. LENGTHS ACCESSORY KIT	1
21-2698	UNIVERSAL FUSE HOLDER ASSEMBLY KIT	1
21-7266	BLACK BOLT COVERS ACCESSORY KIT	1
21-7282	COMPRESSOR WIRE EXTENSION ACCESSORY KIT	1
21-7267	1/4" NYLON TUBING ACCESSORY KIT	1
20-10783	INDIAN SCOUT, MOUNTING KIT	1
21-10741	2014-PRESENT NON-ABS INDIAN SCOUT, PUMP ASSY.	1
11-MC-SCOUT	INSTALL MANUAL	1

21-10917-B SHOCK KIT		
PART NO.	DESCRIPTION	QTY
21-10781	SHOCK ASSY, BLACK	1

HANDLE BAR SWITCH		
PART NO.	DESCRIPTION	QTY
29-9749	HANDLE BAR SWITCH, BLACK	1

The use and installation of any Arnott Air Suspension product or kit may adversely affect or void your factory warranty. It is the responsibility of the motorcycle owner to check federal, state and local laws and ordinances before modifying or customizing his or her motorcycle. It is the exclusive and total responsibility of the motorcycle owner to determine the suitability of this product for his or her use. The user shall assume all legal obligations, personal injury risk and all liability duties and risk associated with the use of this product. Arnott Air Suspension products are designed and intended for the experienced on-road motorcyclists only and intended for closed course operation. Arnott Air Suspension products and kits are designed exclusively for OEM manufactured and equipped motorcycles with no modifications. Any installation of aftermarket or customized components may adversely affect the operation and performance of Arnott Air suspension kits and components and may void the manufacturer's warranty. These directions are accurate at time of publication. Arnott Inc. reserves the right to revise specifications without notice.

COMPONENTS

MC-2991 — 14-CURRENT INDIAN SCOUT SERIES (W/O ABS) — CHROME

20-10785 INFLATION KIT		
PART NO.	DESCRIPTION	QTY
29-13435	POTTED RELAY	1
21-7268	4MM AIRLINE X 6FT. ACCESSORY KIT	1
21-7269	4MM VOSS AIR FITTING ACCESSORY KIT	1
21-7271	HARNESS CABLE TIES ACCESSORY KIT	1
21-7272	SPLIT LOOM - 1FT. LENGTHS ACCESSORY KIT	1
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20-10783	INDIAN SCOUT, MOUNTING KIT	1
21-10741	2014-PRESENT NON-ABS INDIAN SCOUT, PUMP ASSY.	1
11-MC-SCOUT	INSTALL MANUAL	1

21-10917-B SHOCK KIT		
PART NO.	DESCRIPTION	QTY
21-10782	SHOCK ASSY, CHROME	1

HANDLE BAR SWITCH		
PART NO.	DESCRIPTION	QTY
29-9750	HANDLE BAR SWITCH, CHROME	1

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Use a solid, level surface to position the bike on a motorcycle lift and use all recommended safety techniques. Lift the bike so the rear wheel is just slightly off the ground.

1. Remove the seat and the battery. (Figures 1, 2)



FIGURE 1

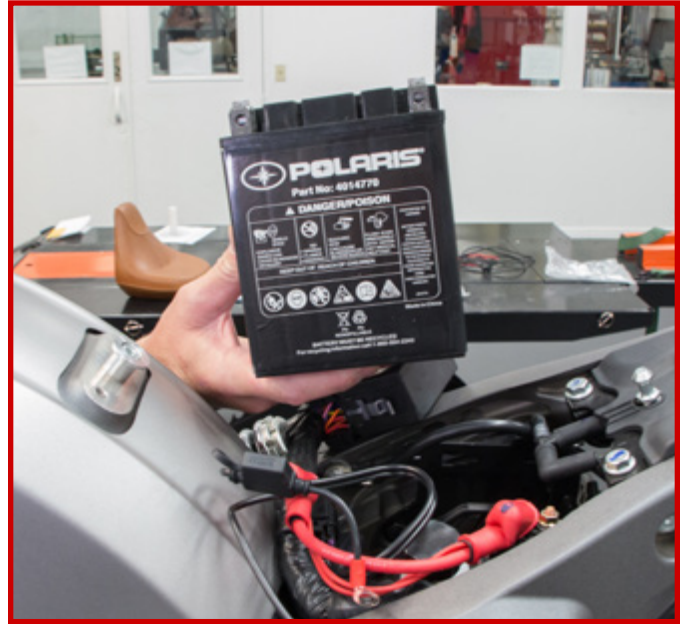


FIGURE 2

2. Cut the 4mm air hose in half to make two equal lengths. Screw two VOSS fittings into the air manifold. Remove the white plug and insert the 4mm hose until you feel it seat. Unscrew the fitting from the manifold and make sure the keeper is attached to the hose. Reinsert into the manifold then tighten with a wrench. Repeat on the other VOSS fitting. (Figures 3, 4, 5, 6)

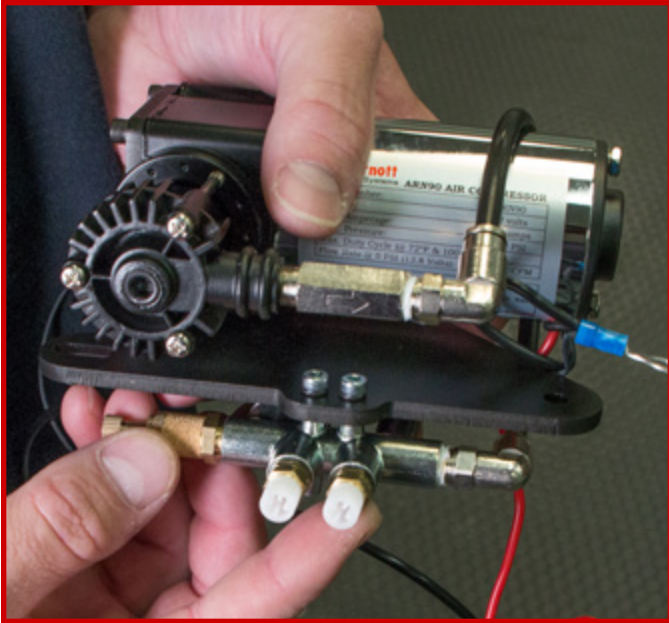


FIGURE 3



FIGURE 4

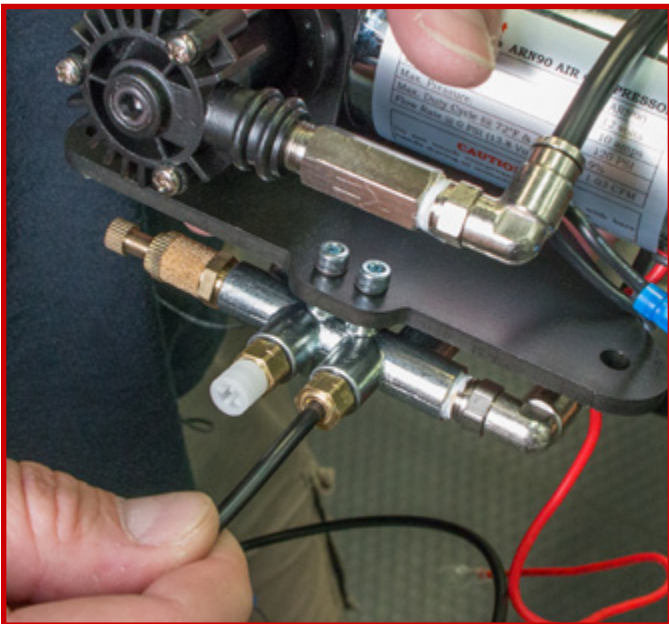


FIGURE 5

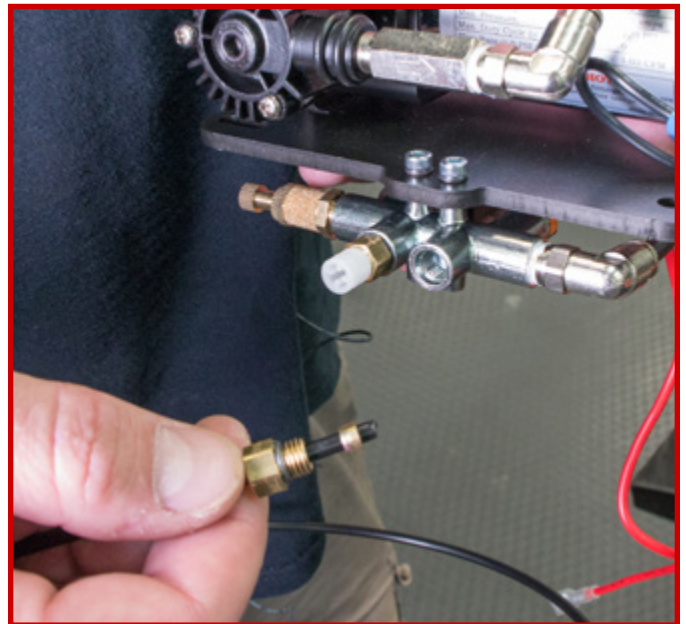


FIGURE 6

3. Attach the pump wire extender to the red pump wire. Bundle the split loom around the two 4mm hoses, the red pump wire and the manifold wire using the included zip-ties. (Figures 7, 8, 9)

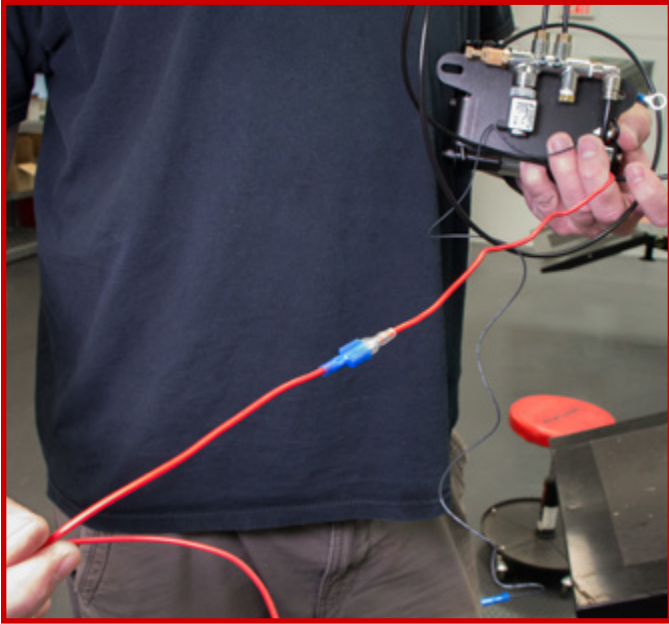


FIGURE 7

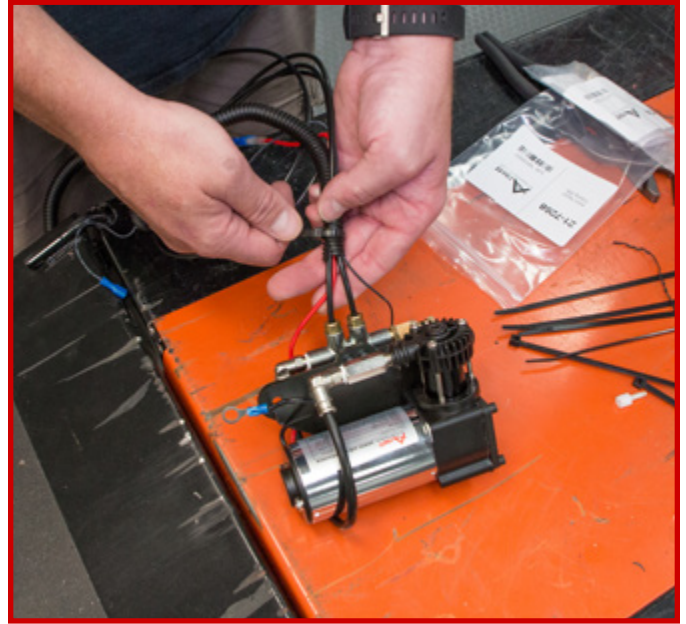


FIGURE 8

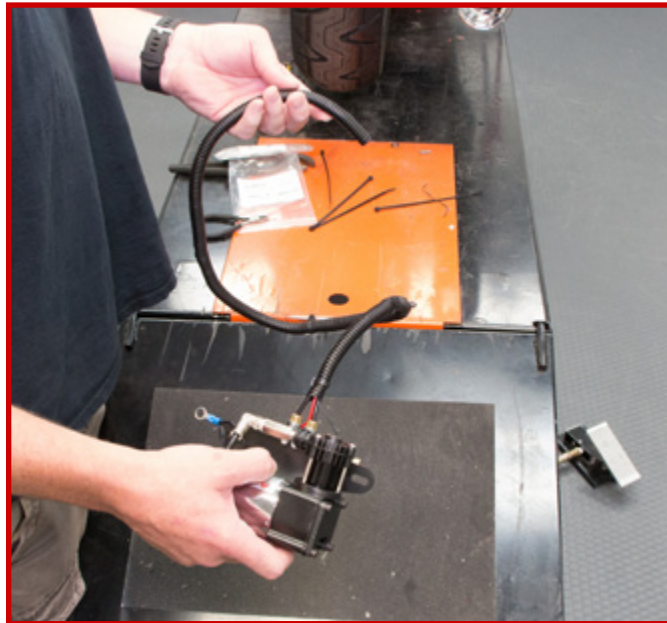


FIGURE 9

4. Fish the 1/4" hose down the right rear side of the battery box. Pass the hose down in front of the swing arm and pull out of the bottom of the motorcycle near the regulator/rectifier. Attach the end of the split loom to the end of the 1/4" hose with tape. Then, use the 1/4" hose to pull the split loom to the top of the battery box.(Figures 10, 11, 12, 13)



FIGURE 10



FIGURE 11



FIGURE 12



FIGURE 13

5. The pump assembly will be mounted to the two holes shown below using the included m6 screws. The pump and solenoid wire will get grounded to the left side of the pump bracket. (Figures 14, 15)

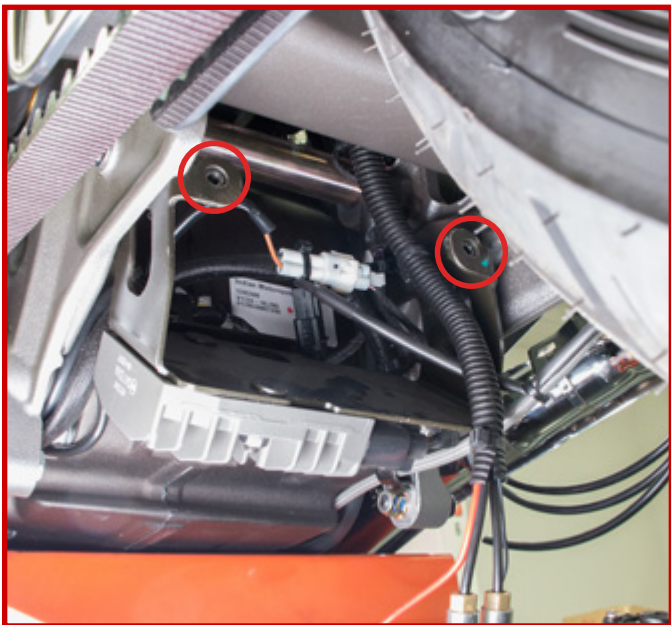


FIGURE 14

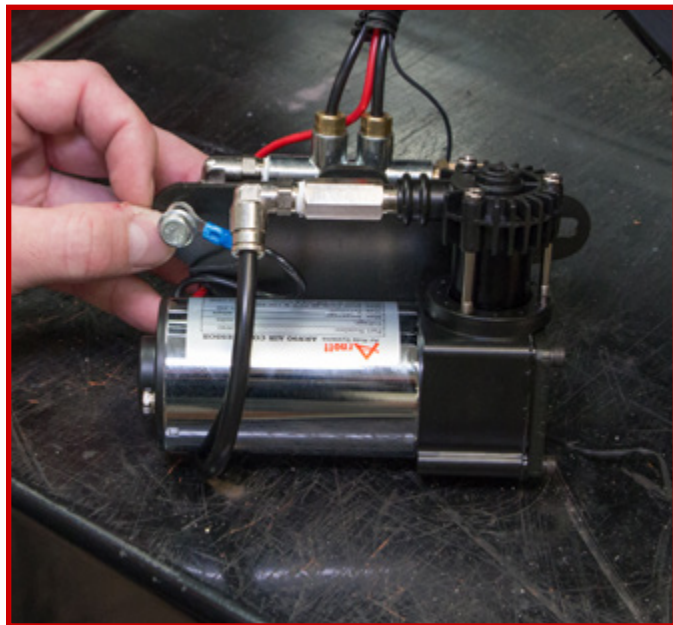


FIGURE 15

6. While pulling the slack from the split loom up through the motorcycle, secure the pump assembly in place. (Figures 16, 17)



FIGURE 16

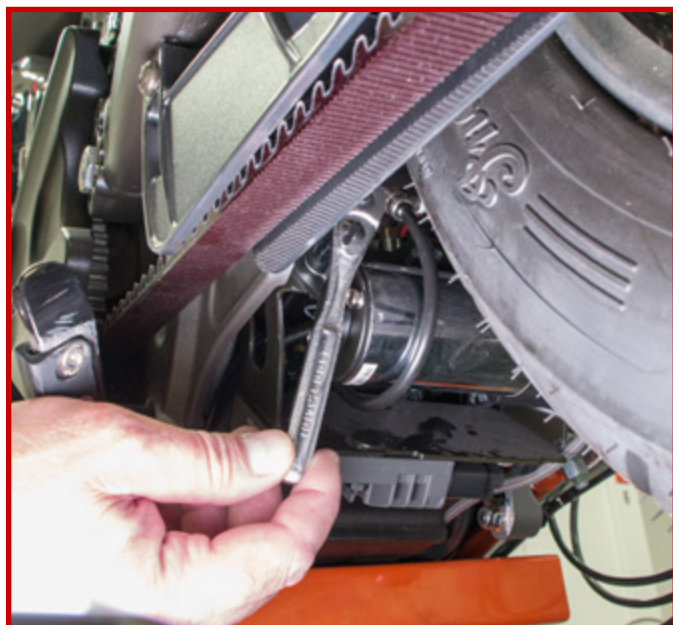


FIGURE 17

7. Reinstall the battery and trim the split loom so that it is at about the same height as the top of the battery. (Figures 18, 19)



FIGURE 18



FIGURE 19

8. Supporting the motorcycle frame with a jack, remove the left shock first. Then, remove the upper bolt from the right shock. Lower the bike on the center jack to gain access to the lower bolt. (Figures 20, 21)

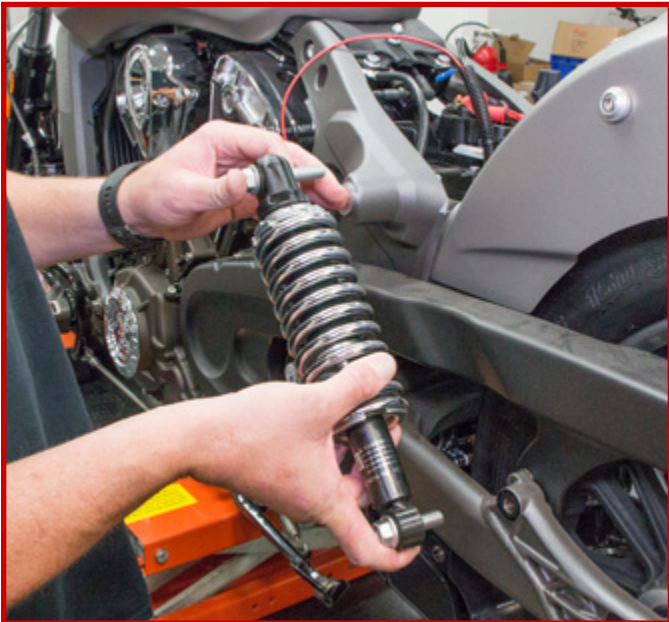


FIGURE 20

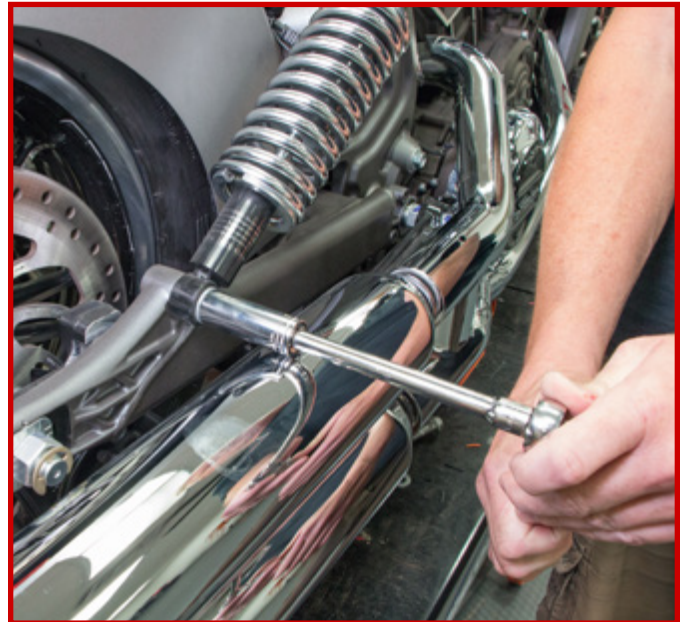


FIGURE 21

9. Remove the outside spacer and o-ring from both air shocks. Using the included bolt attach the lower right shock eye to the swing arm and snug tight. Then, install the screw cover. (Figures 22, 23, 24, 25)



FIGURE 22



FIGURE 23



FIGURE 24



FIGURE 25

10. Jack the motorcycle back up and, using the included bolt and spacer, snug the upper shock eye to the frame. The 4mm air line will reach the shock in the “v” between the frame and the fender. Trim the line to length, then using the same procedure as in step #2, attach the line to the shock with a VOSS fitting. Install the screw cap cover. Then mount the left air shock to the motorcycle. (Figures 26, 27, 28, 29)



FIGURE 26



FIGURE 27



FIGURE 28

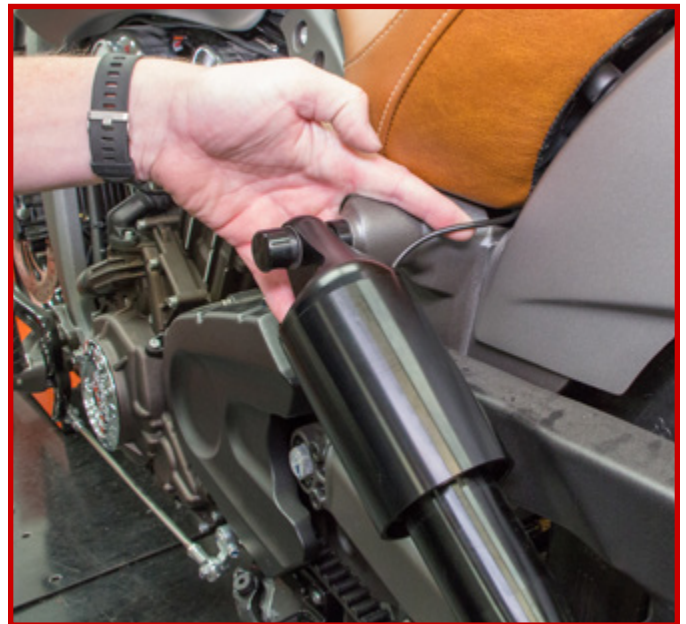


FIGURE 29

11. Remove the lower clutch perch bolt. With the included screw and spacer, attach the handlebar switch to the perch. Route the wires down the handlebars, under the fuel tank back toward the battery. Following the wiring diagram in the back of this manual, complete the electrical connections. (Figures 30, 31, 32, 33)



FIGURE 30



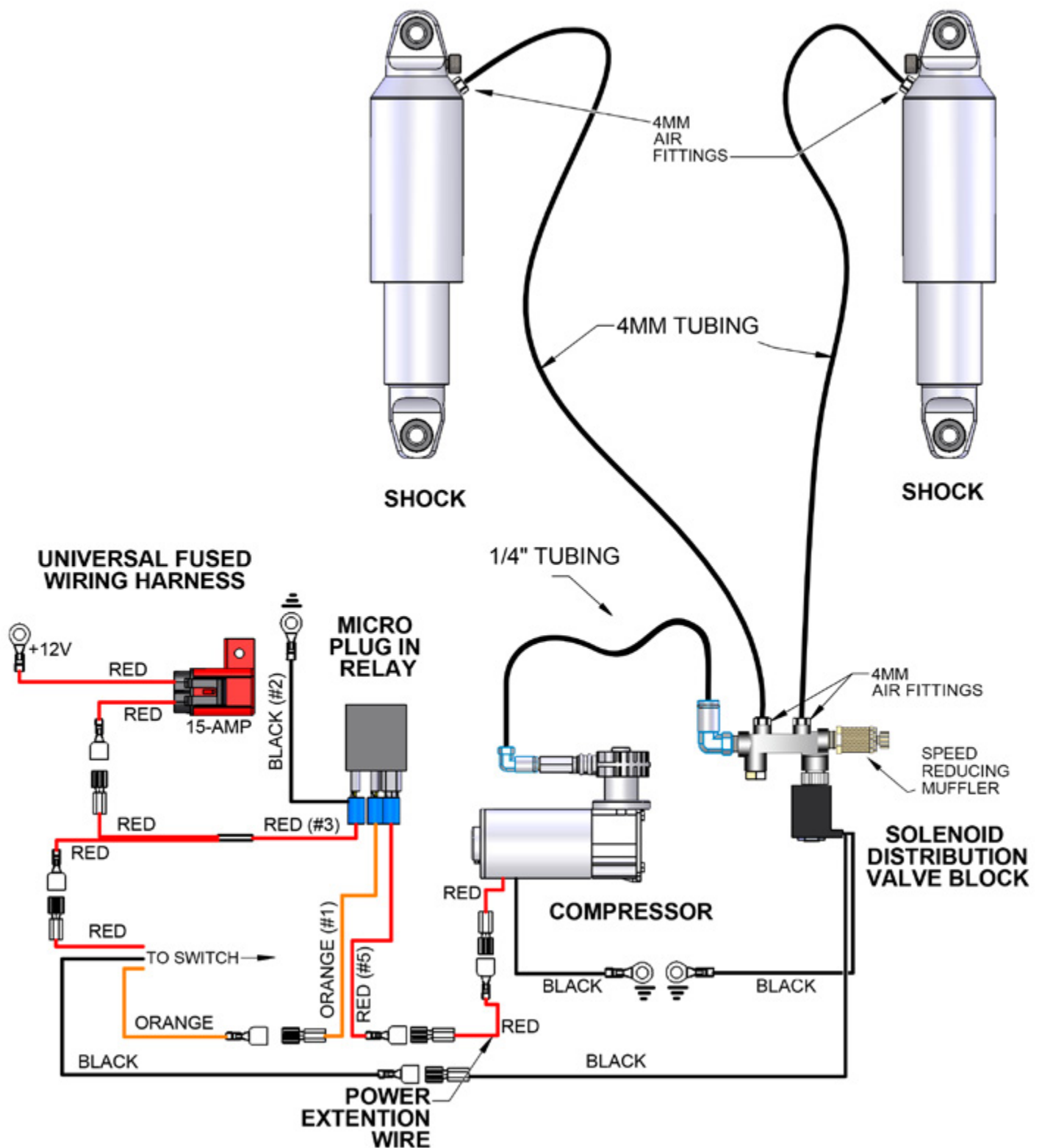
FIGURE 31

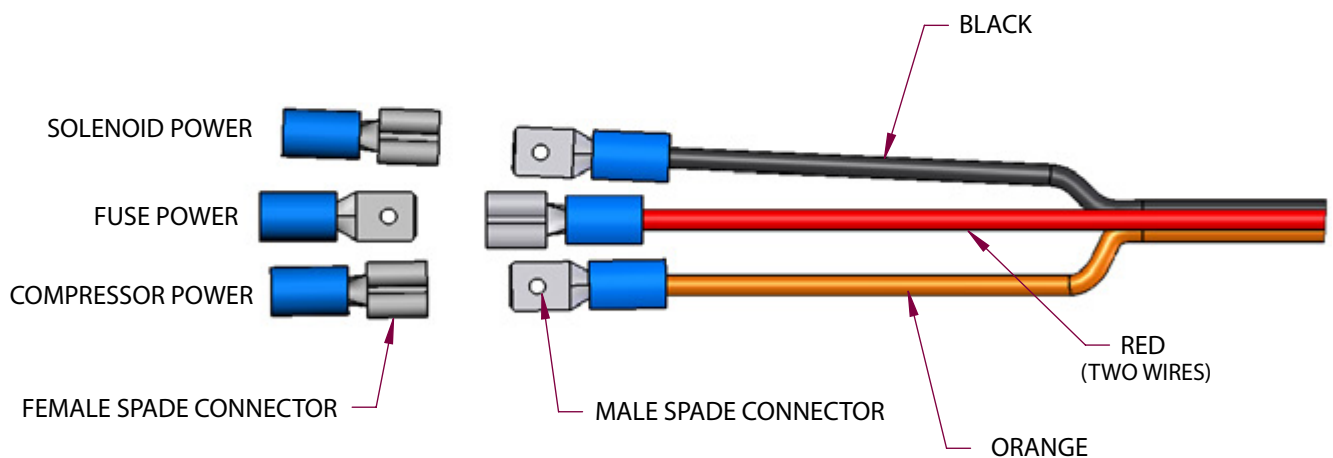
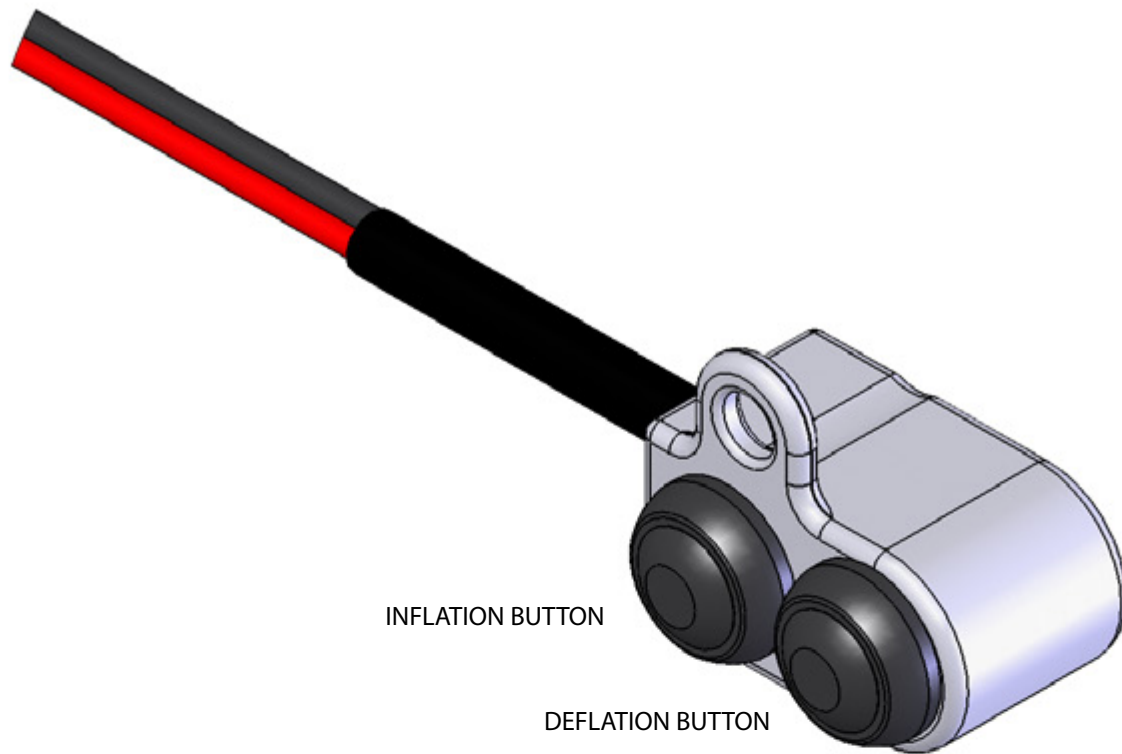


FIGURE 32



FIGURE 33





- AS SHOWN IN ILLUSTRATION ABOVE;
1. CUT SWITCH WIRING TO APPROPRIATE LENGTH.
 2. CRIMP THE TWO MALE SPADE CONNECTORS TO THE ORANGE WIRE AND TO THE BLACK WIRE.
 3. CRIMP THE FEMALE SPADE CONNECTOR TO THE DOUBLE RED WIRE.

Arnott®

Motorcycle Suspension

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