

Installation Manual

KIT # K-3114, K-3115 MOTORCYCLE HANDLEBAR SWITCH PRESSURE GAUGE



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, ASE Certified, professional.

"Elevate Your Ride"



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 175 psi.

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling **800-251-8993** during normal business hours or email techassistance@arnottinc.com. (In the EU please call +31 (0)73 7850 580 or email info@arnotteurope.com).

Installation Manual

KIT # K-3114, K-3115 MOTORCYCLE HANDLEBAR SWITCH PRESSURE GAUGE



BILL OF MATERIALS K-3114 - MOTORCYCLE HANDLEBAR SWITCH/PRESSURE GAUGE, BLACK

21-11153

PARTS LIST

QTY	PART NO.	DESCRIPTION
9	29-7856	4" ZIPTIE
4	29-2922	MALE SPADE TERMINAL
4	29-2923	FEMALE SPADE CONNECTOR
1	14-10564	PRESSURE TRANSDUCER, 1/8" NPT
2	29-7965	22-18 RED T-TAP
2	29-6545	5/16" RING TERMINAL
1	14-2378	AIRLINE REDUCER 6MM-4MM
1	21-7715	4MM VOSS FITTING ACCESSORY KIT
1	21-7268	4MM AIRLINE X 6FT. ACCESSORY KIT
1	29-10748	HANDLEBAR PUSH SWITCH W/ PRESS GAUGE, BLACK
1	11-K-SWITCH	INSTALLATION INSTRUCTIONS

BILL OF MATERIALS
K-3115 - MOTORCYCLE HANDLEBAR SWITCH/PRESSURE GAUGE, CHROME

21-11154

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1	29-10749	HANDLEBAR PUSH SWITCH W/ PRESS GAUGE, CHROME
1	11-K-SWITCH	INSTALLATION INSTRUCTIONS

GENERAL INFORMATION:

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.

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

CAUTION: Damage to the motorcycle and air suspension system can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.

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.



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

1. USING A THREAD SEALING COMPOUND OR TEFLON TAPE, THREAD THE PRESSURE TRANSDUCER INTO ONE OF THE LOCATIONS ON THE AIR MANIFOLD SHOWN BELOW. (FIGURES 1, 2, 3)



FIGURE 1

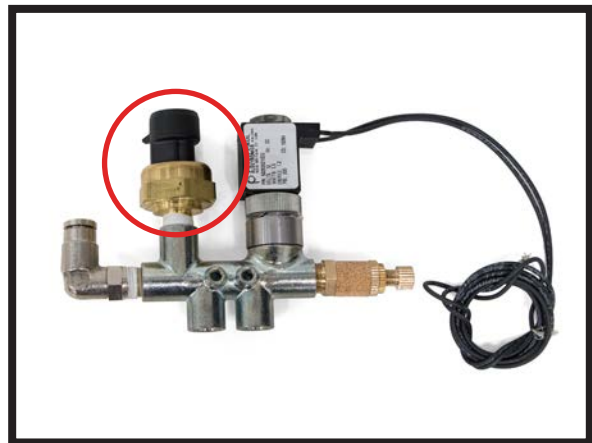


FIGURE 2

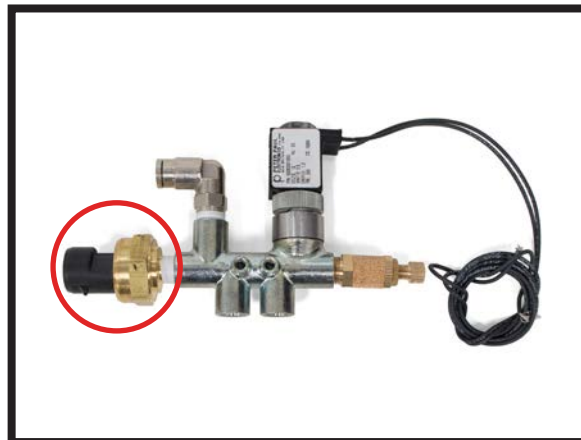


FIGURE 3

2. ON MONO SHOCK APPLICATIONS, THE PRESSURE TRANSDUCER CAN BE ATTACHED TO THE AIR MANIFOLD REMOTELY AS SHOWN BELOW. (FIGURES 4, 5, 6)

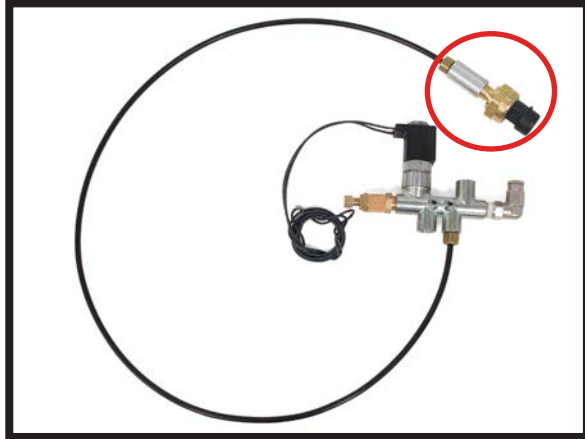


FIGURE 4



FIGURE 5



FIGURE 6

3. MOUNT THE HANDLEBAR SWITCH TO THE CLUTCH PERCH & ROUTE THE WIRES UNDER THE FUEL TANK TOWARD THE BATTERY.. (FIGURES 7, 8)



FIGURE 7



FIGURE 8

4. YOU WILL NEED TO LOCATE A WIRE ON THE MOTORCYCLE WIRE HARNESS THAT PRODUCES 12V WHEN THE MOTORCYCLE IGNITION SWITCH IS TURNED ON. THIS WILL BE THE POWER SOURCE FOR THE DIGITAL DISPLAY. CONFIRM THAT THE VOLTAGE IN THE SELECTED WIRE IS ACTUALLY SWITCHED TO THE MOTORCYCLE IGNITION USING A VOLTAGE METER. OTHERWISE THE DISPLAY WILL NEVER SHUT OFF AND DRAIN DOWN THE MOTORCYCLE BATTERY. CRIMP THE INCLUDED WIRETAP TO THE WIRE. (FIGURES 9, 10)

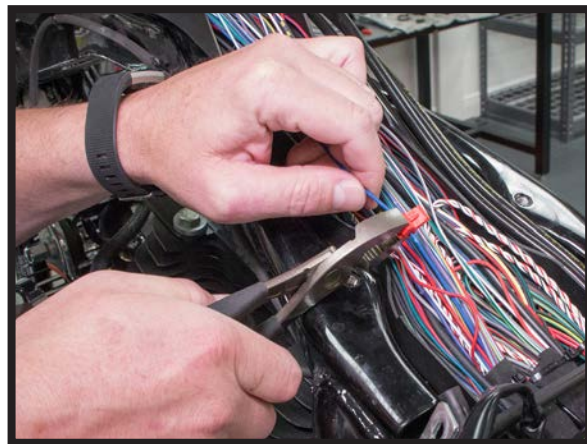


FIGURE 9

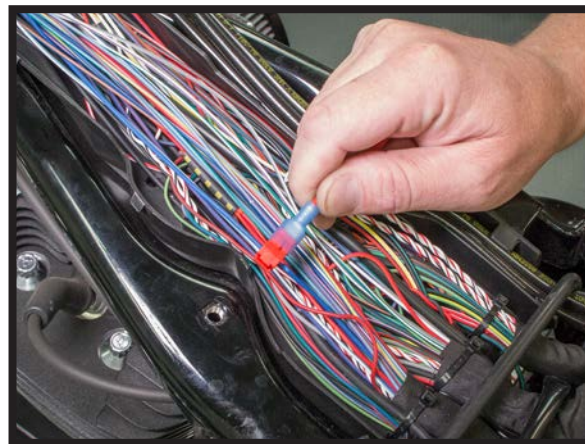


FIGURE 10

5. FOLLOW THE WIRE DIAGRAM IN THE BACK OF THIS MANUAL TO COMPLETE THE REMAINING ELECTRICAL CONNECTIONS. THEN AIR THE SYSTEM UP AND SPRAY THE TRANSDUCER AND HOSE CONNECTIONS TO THE MANIFOLD WITH SOAPY WATER TO CONFIRM THAT THERE ARE NO AIR LEAKS.

6. AS YOU INFLATE THE SYSTEM FROM 0 PSI YOU WILL SEE THE PRESSURE VALUE ON THE DIGITAL DISPLAY INCREASE. IT WILL INCREASE UNTIL THE PRESSURE REQUIRED TO LIFT THE MOTORCYCLE IS REACHED. THE PRESSURE IN THE SYSTEM WILL THEN REMAIN AT THIS VALUE FOR A FEW SECONDS WHILE THE SHOCKS FILL WITH AIR. ONCE THE SHOCKS ARE FULLY EXTENDED THE PRESSURE VALUE WILL INCREASE AGAIN. BECAUSE OF THIS, YOU WILL USUALLY NEED TO INFLATE THE SYSTEM 10-20 PSI PAST YOUR PREFERRED RIDING PRESSURE THEN LET A LITTLE AIR PRESSURE BACK OUT UNTIL YOUR DESIRED NUMBER IS REACHED. FOR EXAMPLE IF YOU LIKE TO HAVE THE SYSTEM AT 45 PSI, YOU WILL NEED TO INFLATE THE SYSTEM TO 60 PSI & THEN LET AIR OUT TO GET BACK TO 45 PSI. THE PRESSURE RANGE OF THE DISPLAY IS 0-175 PSI.

