

The **Alpha MUTT®** is an all-in-one trailer tester that features lighting, air brake and ABS diagnostics built onto a platform with both the End User and Upfitter in mind. It is easy to install, easy to operate, durable and weather protected, as well as easy to service.

Each unit arrives with all the accessories and a removable slide-out base. The base should be bolted to the bottom of a service-truck box. Once installed, the tester can be operated in two positions. The **HOME** position—tester pushed all the way into the rear of the service-truck box and locked in place—and the **EXTENDED** position—tester protruding out of the service-truck box and locked in place. In the event the tester needs to be removed from the truck for warranty, it can easily be disconnected by pulling up on both blue levers and pulling it out of the base.

Installation

STEP 1: Drilling Mounting Holes into the Service-Truck Box

- A. Locate the provided template. Notice the template has four predrill hole locations.
- B. Lay the template into the bottom of the service-truck box and slide it into the rear left-most position. Make sure the template lays flat – Use tape to ensure proper layout.
- C. Use the template holes to mark all four drill points.
- D. Drill all four holes using a 11/32” drill bit for the 5/16” stainless steel mounting bolts.

STEP 2: Placing the Slide-Out Base into the Service-Truck Box

NOTE: This operation can be performed in two ways. The Primary method is to leave the tester attached to the base, utilizing the extended position. The Alternate method involves completely removing the base from the tester by pulling up on the two blue handles and sliding the tester out completely. HOWEVER, this is NOT the recommended method, as reinstalling the tester onto the base must be done with care to prevent damage to the base components.

- A. Place the tester on level ground then pull up on both blue levers and extend the tester to the first locked position. This operation is best completed with two people.
- B. Pick up the tester and carefully place the back side of the slide-out base into the bottom of the service-truck box. Be careful not to damage the front components, such as the 7-way socket during this process. (See Fig. 1A – Fig. 3)

STEP 3: Bolting the Slide-Out Base to the Service-Truck Box

- A. Move the assembly into position so that the four antivibration feet line up with the drilled holes in the box.
- B. Using the supplied hardware, thread bolts with washers through bottom of the box into each foot. Loosely thread each bolt until the final position is confirmed. Apply final torque to all four bolts.

STEP 4: Installing 12V DC/Battery Connection

NOTE: The Alpha MUTT® is designed to have a constant 12V DC power supply from the vehicle's battery system. The tester already incorporates onboard fuse protection, so no additional fusing is required.

- A. Be sure to leave an additional 18” of harness length so the tester can be pulled out via the slide-out base without damaging the 12V input harness.
- B. Locate the supplied two-prong connector and install the wire harness to identified + and - connections. It is recommended to apply some dielectric grease to both the assembled terminals and mating plug sides prior to use.

- C. Plug the connector into the two-pole socket located on the back, right side of the tester.
- D. To power on the tester, press the power switch to the ON position.

STEP 5: Installing Shop Air

- A. Be sure to leave an additional 18" of air line length so the tester can be pulled out via the slide-out base without damaging the air input. A 3/8" OD coiled air hose extension is recommended.
- B. Locate the 1/4" female NPT bulkhead fitting located near the 12V power input.
- C. Install the male end of the air hose into the connector while firmly holding a wrench onto the hex bulkhead to prevent any internal components from becoming damaged.
 - I. It is always recommended to apply Teflon Tape to threads and then Pipe Dope over the Teflon prior to assembling NPT fittings.

STEP 6: Assembly is Complete!

