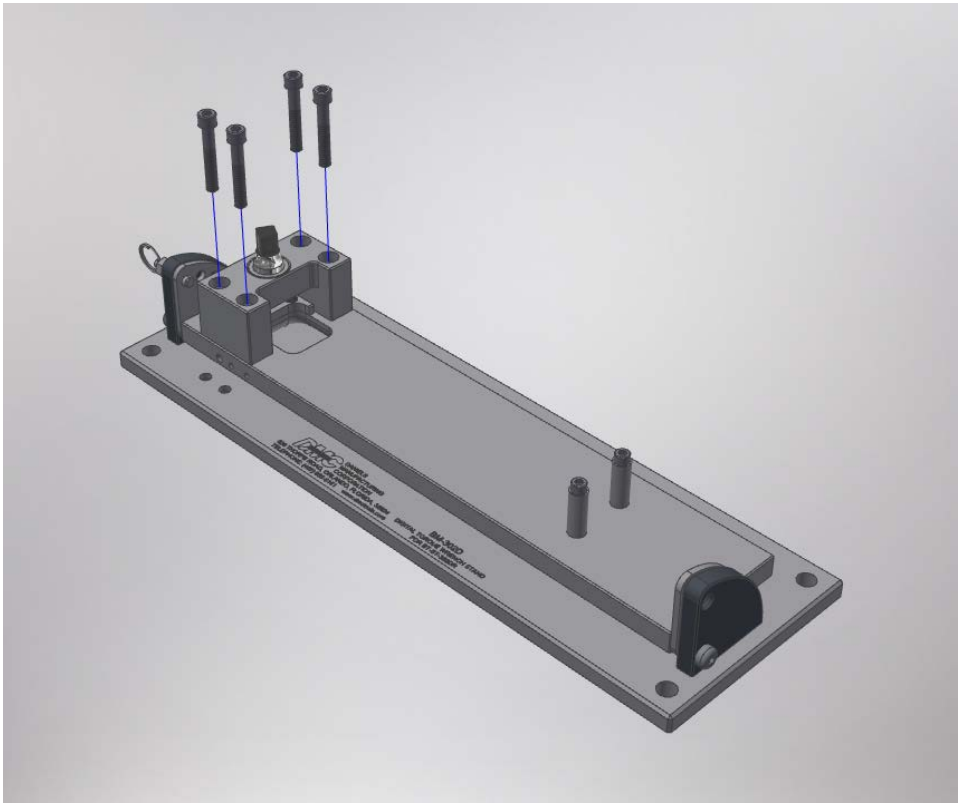
BM-302D
DIGITAL TORQUE WRENCH STAND
FOR BT-ST-302DR DATASHEET

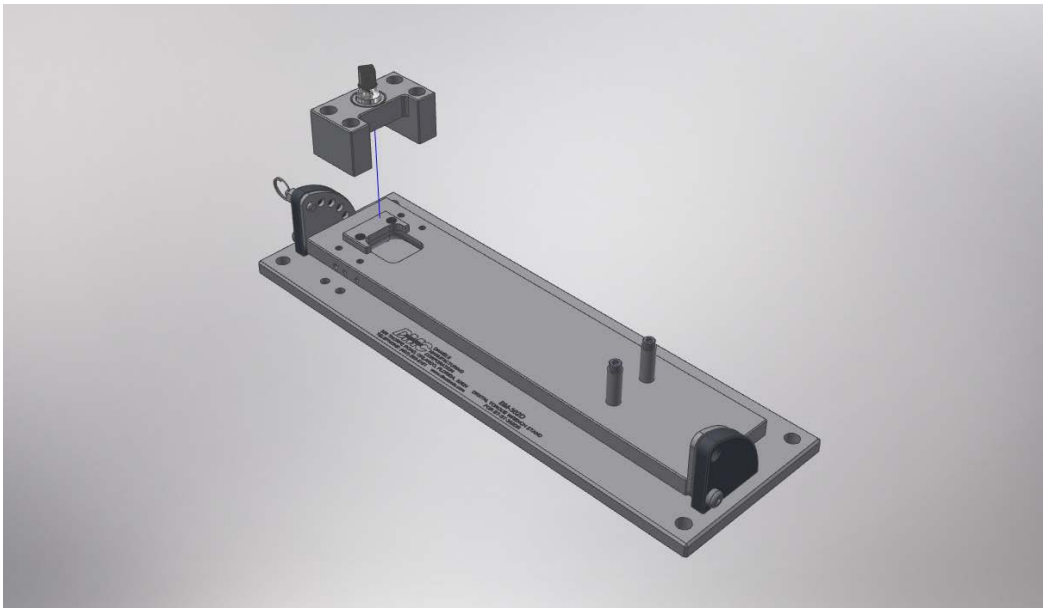
The BM-302D Digital Torque Wrench Stand allows the Digital Torque Wrench (BT-ST-302DR) to be used in applications that require a bench mounted torque readout. In this application the BT-ST-302DR is held fixed and acts as a meter while another tool is used to apply torque. The BM-302D can be easily configured by the user in either a horizontal or vertical mode to conform to user preference and space requirements (See Configuration 1 illustrations on page 8 & Configuration 2 illustrations on page 9)

Proper loading of Digital Torque Wrench into BM-302D bench mount:

1. Using a 3/16” hex driver, remove 4 socket head cap screws from ratchet side mount

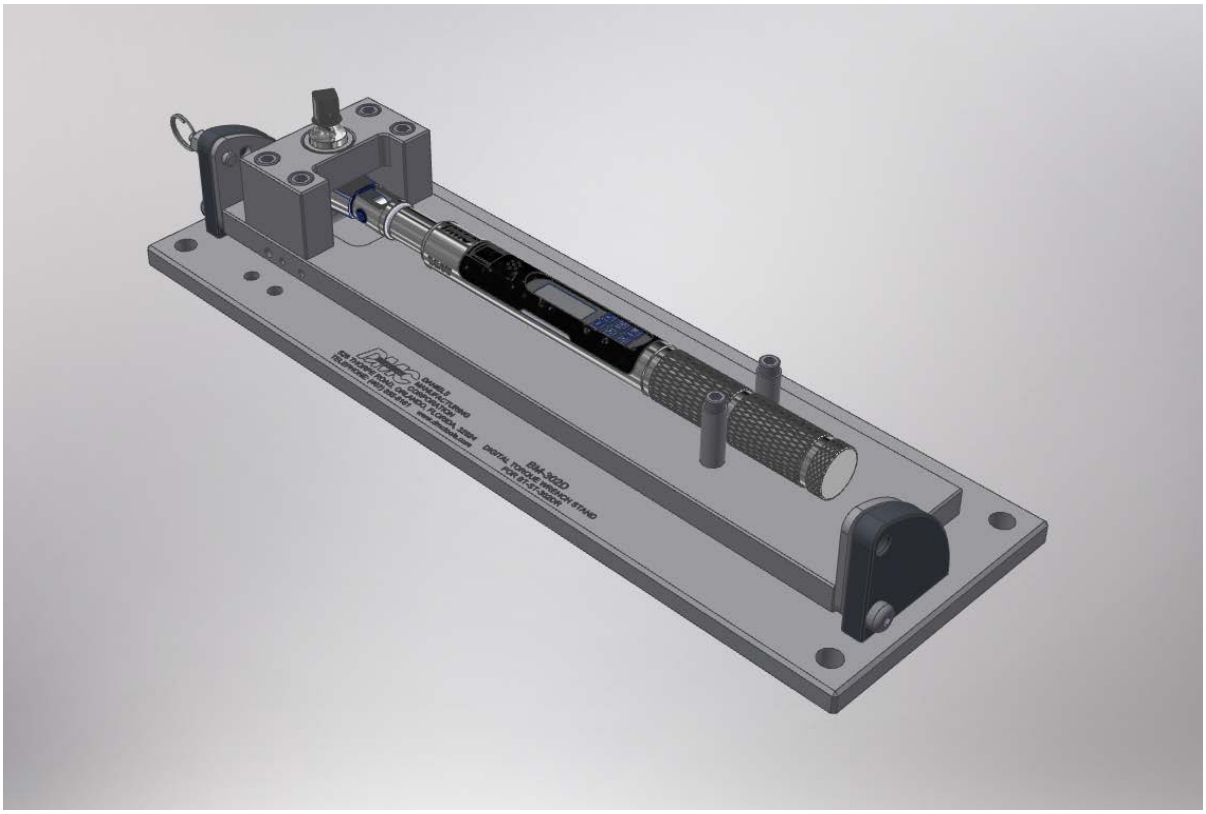


2. Remove ratchet side mount



3. Place Digital Torque Wrench on baseplate, with the bottom of the ratchet drive in the head support block. Torque wrench handle guide posts may need to be loosened to allow handle to fit, use a 5/32” hex driver.

4. Snap square drive extension onto torque wrench square drive and place ratchet side mount back onto plate. **<u>Caution:</u> Extension is a loose piece and must be snapped onto torque wrench.**



5. Using a 3/16” hex key, replace 4 socket head cap screws and tighten until snug. If handle guide posts were loosened, snug posts to handle and tighten screws.

6. The BM-302D is now ready to be used.

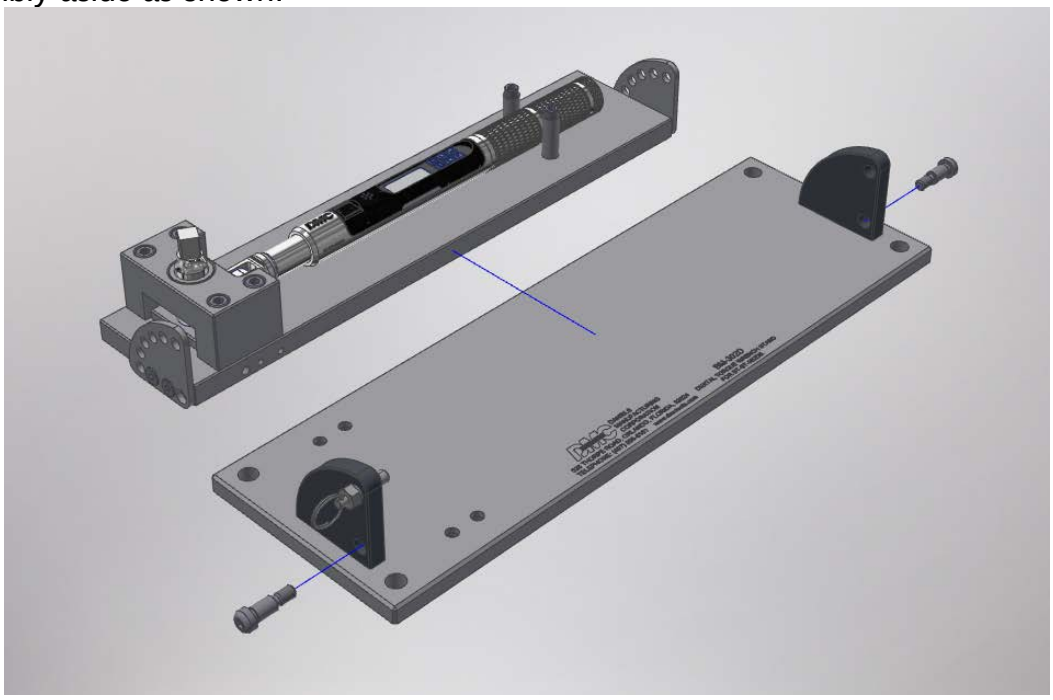
Rotating the BM-302D bench mount:

1. Pull Spring Loaded Plunger Ring and rotate Plate to desired location. Each increment is 15 degrees. Release Spring Loaded Plunger Ring and ensure it fully locks into position hole.

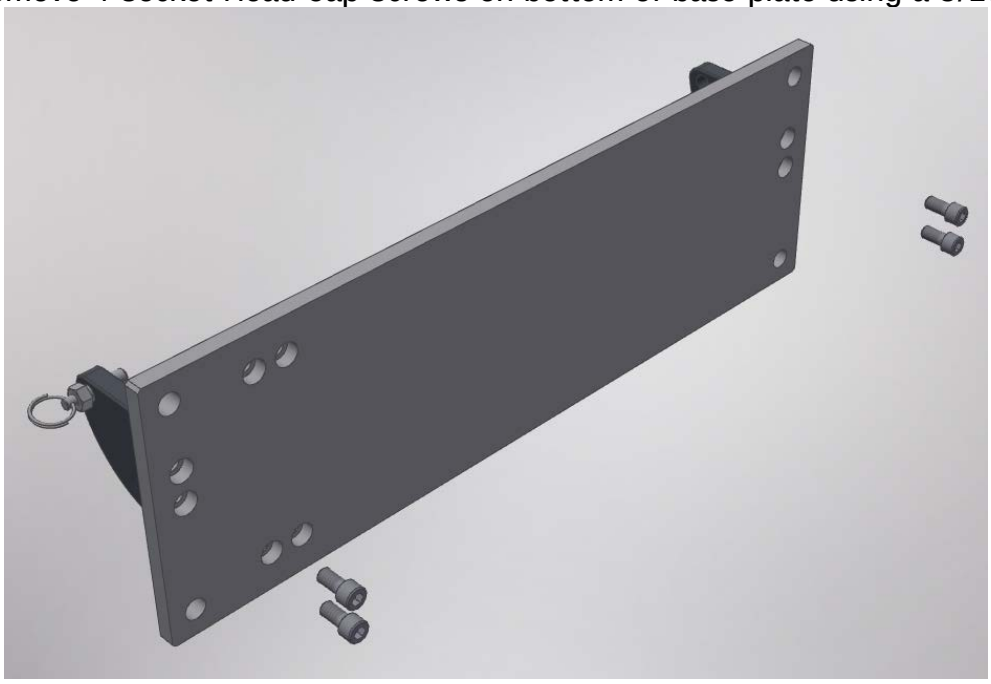
   NOTE: Spring Loaded Plunger can be installed in either Positioning Mount by simply unscrewing it and reinstalling it into the other mount taking care that it is not screwed down to far as to protrude the threads, thereby creating interference with the locator plate.

Reconfiguring stand from Horizonal to Vertical:

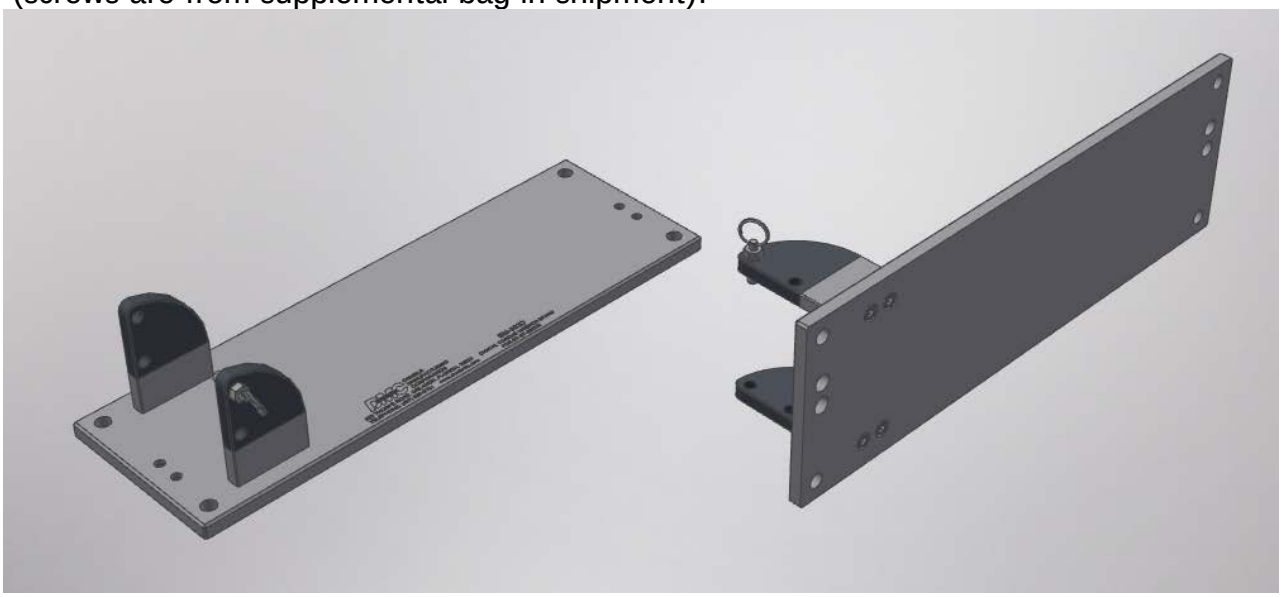
1. Unscrew and Remove 2 Socket Head Shoulder Screws using a 5/32” hex driver and remove plate / wrench assembly aside as shown.



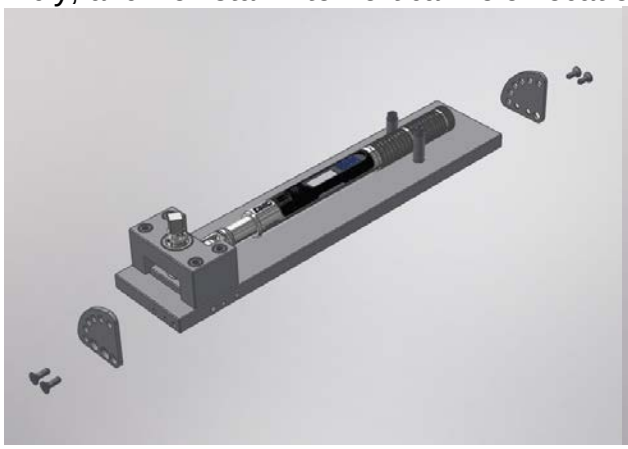
2. Unscrew and Remove 4 Socket Head Cap Screws on bottom of base plate using a 3/16” hex driver.

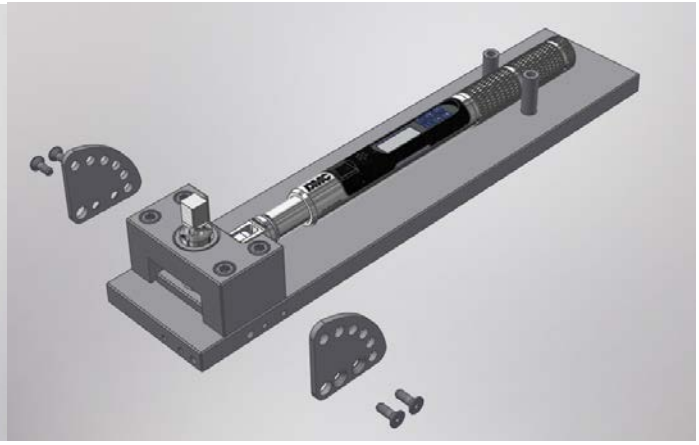


3. Move positioning mounts to Vertical Hole Locations, Insert Spacer Blocks (from supplemental bag in shipment) under Positioning Mounts, and loosely install 4 Socket Head Cap Screws using a 3/16” hex driver (screws are from supplemental bag in shipment).

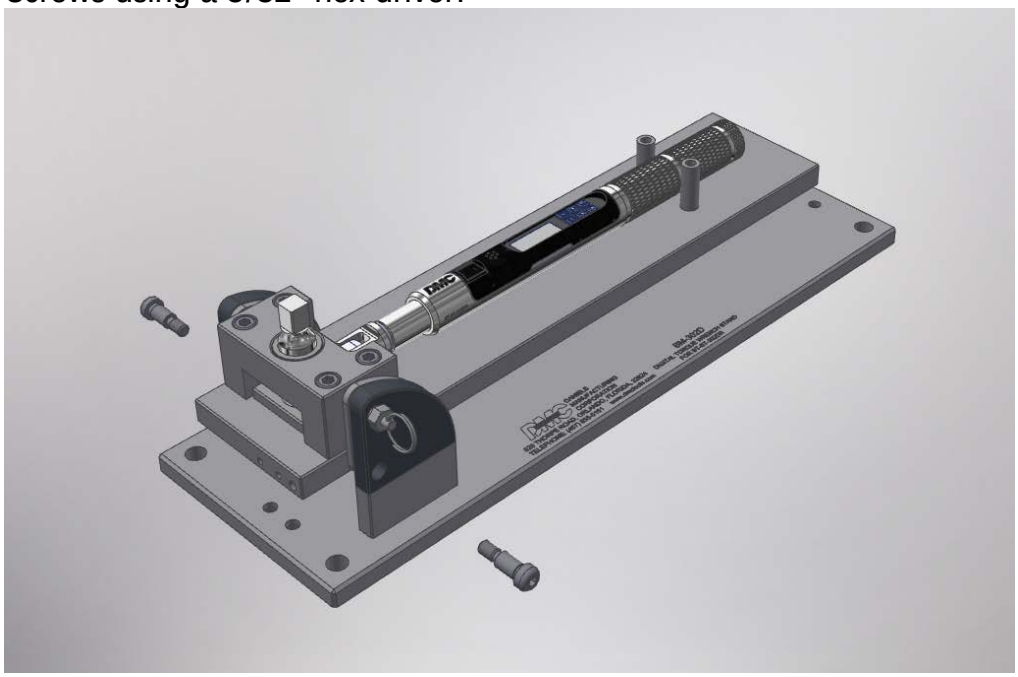


4. Remove 4 Flat Head Screws using a 1/8” hex driver and Locator Plates from Plate / Wrench Assembly, and Reinstall into Vertical Hole Locations.

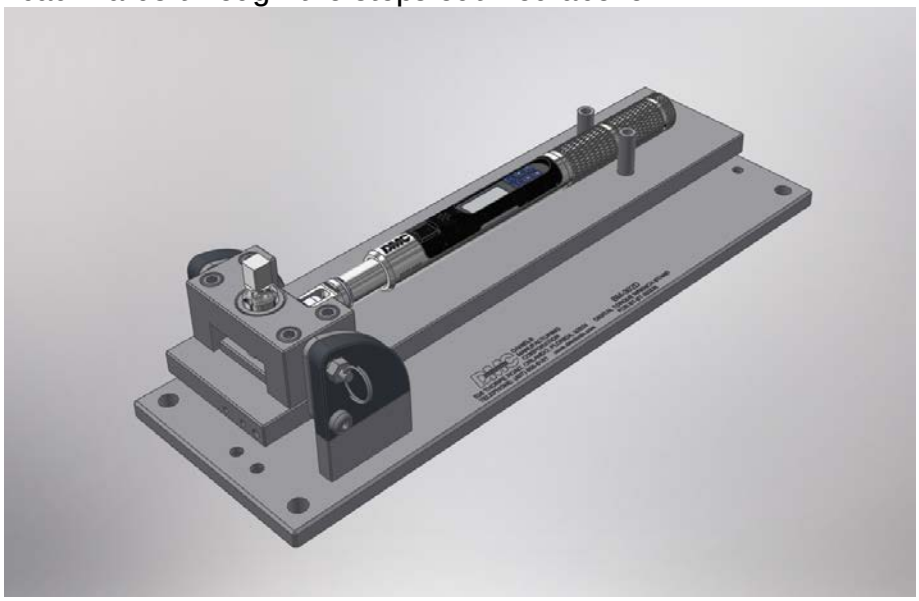




5. Reinstall Plate / Wrench Assembly between Positioning Mounts on Base Plate and Reinstall Socket Head Shoulder Screws using a 5/32” hex driver.



6. Rotate Plate / Wrench Assembly to verify smooth operation, if binding occurs, loosen Long Socket Head Cap Screws on bottom of base plate to allow additional clearance and tighten screws and check operation again. The BM-302D is now ready to be used in a Vertical Configuration. To convert back to Horizontal, work backwards through the steps outlined above.

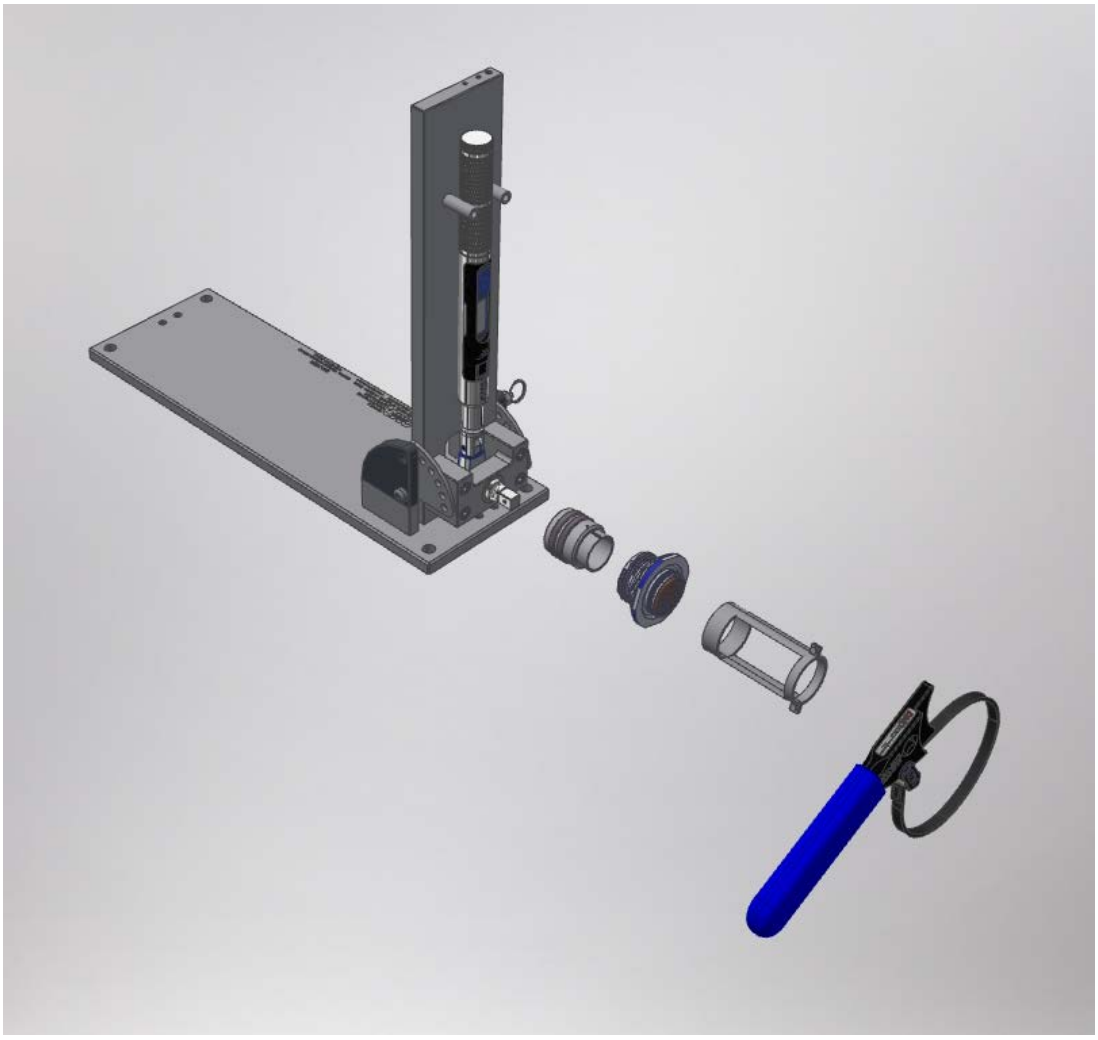


7. Application Examples when using BT-ST-302DR in conjunction with BM-302D:

Configuration 1: Horizontal Bench Mount

The Adapter Tool is held stationary on the Bench Mount Stand using the square drive. The connector / accessory assembly is then inserted into the Adapter Tool and tightened to a specified torque value using the Daniels Strap Wrench.

Configuration 2: Vertical Bench Mount



The Adapter Tool is held stationary on the Bench Mount Stand using the square drive. The connector / accessory assembly is then inserted into the Adapter Tool and tightened to a specified torque value using the Daniels Strap Wrench.

