The following instructions are intended to assist the user in installing the UPA-88/UPA-88A Kit, Urethane Plate Attachment to the Multiquip MVC-88 Series plate compactors. The UPA-88/UPA-88A are designed for compacting paving stones and decorative brick. The pad prevents damage to the stone as the plate passes over the surface. It is not intended for soil or backfill compaction. Please read the instructions before assembling.

REQUIRED TOOLS

- 3/8" Ratchet/Socket Set

PARTS

Verify that all parts are accounted for. See Figure 1 and Table 1.

![Figure 1. Kit Parts](image)

**Table 1. Kit Parts**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>UPA-88</td>
<td>Kit, Urethane Plate Attachment*</td>
<td>1</td>
<td>Includes items 1-7</td>
</tr>
<tr>
<td>B</td>
<td>UPA-88A</td>
<td>Kit, Urethane Plate Attachment**</td>
<td>1</td>
<td>Includes items 1A-7</td>
</tr>
<tr>
<td>1</td>
<td>416456210</td>
<td>Interlocking Bolt, 16x35*</td>
<td>1</td>
<td>UPA88</td>
</tr>
<tr>
<td>1A</td>
<td>416456211</td>
<td>Interlocking Bolt, 16x40**</td>
<td>1</td>
<td>UPA88A</td>
</tr>
<tr>
<td>2</td>
<td>416010030</td>
<td>Cap</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>012012030</td>
<td>Bolt 12x30</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>011208035</td>
<td>Bolt 8x35</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>022710809</td>
<td>Nylon Nut M8</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>030212300</td>
<td>Washer, Lock M12</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>416342360</td>
<td>Hanger Block Plate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>416342370</td>
<td>Plate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>PADUPA88</td>
<td>Urethane Pad</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*Casing P/N 416115990, Height = 7/16" (MVC88 W/ S/N K6886 and Below.

**Casing P/N 416115991, Height = 9/16" (MVC88 W/ S/N K6887 and Above.

WORK SAFELY!

Only a qualified service technician with proper training should perform this installation. Follow all shop safety rules when performing this installation.
URETHANE PLATE INSTALLATION

1. Using a 3/8" ratchet and 24 mm socket, remove and **discard** the 2 eccentric mounting bolts (Figure 2) at the front of the plate compactor.

2. **Retain** the 2 lock washers and 2 flat washers. These items will be used later.

3. **Apply Loctite™ #271 (RED) to the male threads on the interlocking bolts (item 1 or 1A). Reference Figure 3**

4. Using a 3/8" ratchet and 24 mm socket, insert the 2 interlocking bolts in place of the discarded eccentric mounting bolts (step 1) using the existing lock washers and flat washers. Torque interlocking bolts to 203 ft-lb.

5. **Align the 4 holes on the plate (item 8) with the 4 holes on the front of the urethane pad (item 9).**

6. Insert the four 8x35 bolts (item 4) through the plate (item 8) and urethane pad (item 9) mounting holes.

7. **Attach the plate and urethane pad (items 8 and 9) to the hanger block plate (item 7) by inserting the 4 bolts sticking out from the plate/urethane pad into the hanger block plate mounting holes.**

8. To finish securing the plate and urethane pad to the hanger block plate, use a 3/8" ratchet and 13 mm socket and tighten the four 8x35 bolts (item 4) securely. Bolts are secured using the 4 nylon nuts (item 5).

9. Lay the assembled urethane pad flat on the ground and place the plate compactor on top of the pad with the hanger block plate about 2 to 3 inches from the front of the compactor's base plate.

10. Slide in the assembled urethane pad towards the compactor aligning the 2 holes on the hanger block plate with the the 2 interlocking bolts that were inserted in step 4.

11. Using a 3/8" ratchet and 19 mm socket, install the two 12x30 bolts (item 3) and 2 lock washers (item 6) into the hanger block plate mounting holes. Torque screws to 86.8 ft-lb. **DO NOT USE LOCTITE OR OVERTIGHTEN.**

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**NOTICE**

Insert cap (item 2), P/N 416010030 into interlocking bolts when urethane pad and hanger block plate are not in use. This will keep the bolt threads clean.
**Figure 3. Location of Parts and Components**

- **HANGER BLOCK PLATE**
  - P/N 416342380
- **NYLON NUT**
  - P/N 022710809
  - 4 PLACES
- **PLATE**
  - P/N 416342370
- **BOLT**
  - P/N 011208035
  - 4 PLACES
- **URETHANE PAD**
  - P/N PADUPA88
- **LOCK WASHER**
  - P/N 030212300
  - 2 PLACES
- **INTERLOCKING BOLT**
  - P/N 416456210 (UPA-88)
  - P/N 416456211 (UPA-88A)
  - 2 PLACES
- **LOCK WASHER**
  - P/N 012012030
  - 2 PLACES
- **BOLT**
  - P/N 012012030
  - 2 PLACES
- **2** TORQUE TO 86.8 FT-LB (1,200 KG-F/CM).
- **APPLY LOCTITE 271.**
- **3** INCREASE TO 203 FT-LB (2,800 KG-F/CM).

**Torque Specifications**

1. **3/8” RATCHET**
   - 13MM SOCKET
2. **3/8” RATCHET**
   - 19 MM SOCKET
3. **3/8” RATCHET**
   - 24 MM SOCKET
4. **3/8” RATCHET**
   - 24 MM SOCKET

**Assembly Instructions**

1. **INSERT CAPS (P/N 416010030)** INTO INTERLOCKING BOLTS WHEN URETHANE PAD AND HANGER BLOCK PLATE ARE NOT IN USE.

**Notes:**

- **19 MM SOCKET**
- **3/8” RATCHET**
- **24MM SOCKET**
- **3/8” RATCHET**
- **13MM SOCKET**
HERE’S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL NUMBER ON-HAND WHEN CALLING

UNITED STATES

**Multiqip Corporate Office**
18910 Wilmington Ave.
Carson, CA 90746
Contact: mq@multiqip.com
Tel. (800) 421-1244
Fax (310) 537-3927

**MQ Parts Department**
800-427-1244
310-537-3700
Fax: 800-672-7877
Fax: 310-637-3284

**Service Department**
800-421-1244
310-537-3700
Fax: 310-537-4259

**Warranty Department**
800-421-1244
310-537-3700
Fax: 310-943-2249

**Technical Assistance**
800-478-1244
Fax: 310-943-2238

MEXICO

**MQ Cipsa**
Carr. Fed. Mexico-Puebla KM 126.5
Momoxpan, Cholula, Puebla 72760 Mexico
Contact: pmaestre@cipsa.com.mx
Tel: (52) 222-225-9900
Fax: (52) 222-285-0420

UNITED KINGDOM

**Multiqip (UK) Limited Head Office**
Unit 2, Northpoint Industrial Estate,
Globe Lane,
Dukinfield, Cheshire SK16 4UJ
Contact: sales@multiqip.co.uk
Tel: 0161 339 2223
Fax: 0161 339 3226

CANADA

**Multiqip**
4110 Industriel Boul.
Laval, Quebec, Canada H7L 6V3
Contact: jmartin@multiqip.com
Tel: (450) 625-2244
Fax: (450) 625-8664

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