

# SERVICE TIPS



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| Reference | Subject                                      | Date      |
|-----------|----------------------------------------------|-----------|
| ST-116    | Rigid Mount Installation to a Concrete Floor | 4/27/2020 |
|           |                                              |           |
| Product   | Rigid Mount Washing Machines                 |           |

| Summary                        | The energy generated when a rigid mount washing machine is in operation is transferred thru the base to the concrete floor. Improper installation can lead to excess vibration of the washing machine, damage to the facility, and damage to the washing machine.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------------------------------|---|-----|-----|-----|---|------------------------------|---|---|---|----|----|----------|---|---|---|---|---|------------------------|------|-------|-------|-------|-------|---------------------|---|---|---|---|---|-----------------------------|---|---|---|----|----|
| Model Info                     | REM025, RMG033, RMG040, RMG055, RMG070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Required Materials             | Non-shrink grout, anchoring adhesive (equivalent to Red Head A7 adhesive anchor), metal leveling spacers, Grade 5 SAE rated threaded rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Concrete Slab Req.             | <p>The rigid mount washers should be positioned on a horizontal and flat concrete surface capable of supporting the washer weight and its transmitted loads 3,500 to 4,000 psi. Consult the “Technical Specifications the install manual provided by manufacturer.</p> <p>If these requirements cannot be met, the manufacture recommends that the floor area be cut out and fill removed to a depth required by washer model. The area should be 4-6” larger than washer dimensions on all 4 sides. Excavate under existing floor in a pyramid fashion and pour new concrete with minimum # 6 wire mesh in area for washer to set on. Allow adequate time for the concrete to properly cure.</p>                      |        |        |        |        |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
|                                | <table> <tr> <th></th><th>REM025</th><th>RMG033</th><th>RMG040</th><th>RMG055</th><th>RMG070</th></tr> <tr> <td>Threaded rod diameter (inches)</td><td>½</td><td>5/8</td><td>5/8</td><td>5/8</td><td>¾</td></tr> <tr> <td>Threaded rod length (inches)</td><td>7</td><td>7</td><td>7</td><td>10</td><td>10</td></tr> <tr> <td>Quantity</td><td>4</td><td>4</td><td>4</td><td>6</td><td>8</td></tr> <tr> <td>Hole diameter (inches)</td><td>9/16</td><td>11/16</td><td>11/16</td><td>11/16</td><td>13/16</td></tr> <tr> <td>Hole depth (inches)</td><td>5</td><td>5</td><td>5</td><td>8</td><td>8</td></tr> <tr> <td>Concrete thickness (inches)</td><td>6</td><td>6</td><td>6</td><td>12</td><td>12</td></tr> </table> |        |        |        |        |  | REM025 | RMG033 | RMG040 | RMG055 | RMG070 | Threaded rod diameter (inches) | ½ | 5/8 | 5/8 | 5/8 | ¾ | Threaded rod length (inches) | 7 | 7 | 7 | 10 | 10 | Quantity | 4 | 4 | 4 | 6 | 8 | Hole diameter (inches) | 9/16 | 11/16 | 11/16 | 11/16 | 13/16 | Hole depth (inches) | 5 | 5 | 5 | 8 | 8 | Concrete thickness (inches) | 6 | 6 | 6 | 12 | 12 |
|                                | REM025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RMG033 | RMG040 | RMG055 | RMG070 |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Threaded rod diameter (inches) | ½                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/8    | 5/8    | 5/8    | ¾      |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Threaded rod length (inches)   | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7      | 7      | 10     | 10     |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Quantity                       | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4      | 4      | 6      | 8      |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Hole diameter (inches)         | 9/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11/16  | 11/16  | 11/16  | 13/16  |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Hole depth (inches)            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5      | 5      | 8      | 8      |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |
| Concrete thickness (inches)    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6      | 6      | 12     | 12     |  |        |        |        |        |        |                                |   |     |     |     |   |                              |   |   |   |    |    |          |   |   |   |   |   |                        |      |       |       |       |       |                     |   |   |   |   |   |                             |   |   |   |    |    |

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1. Mark the anchor bolt locations. The top piece of cardboard on the RMG's has holes punched out into it. Those holes are the template for the anchor bolts (threaded rod).

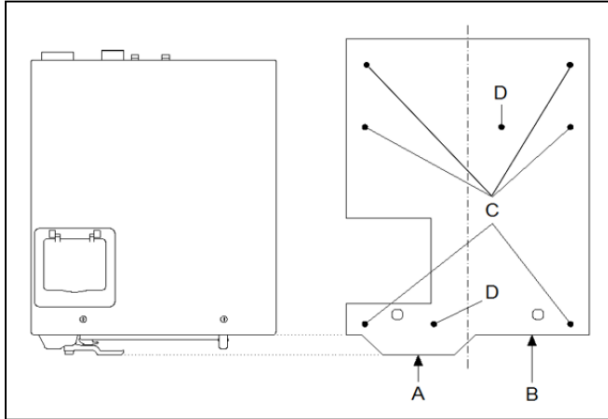


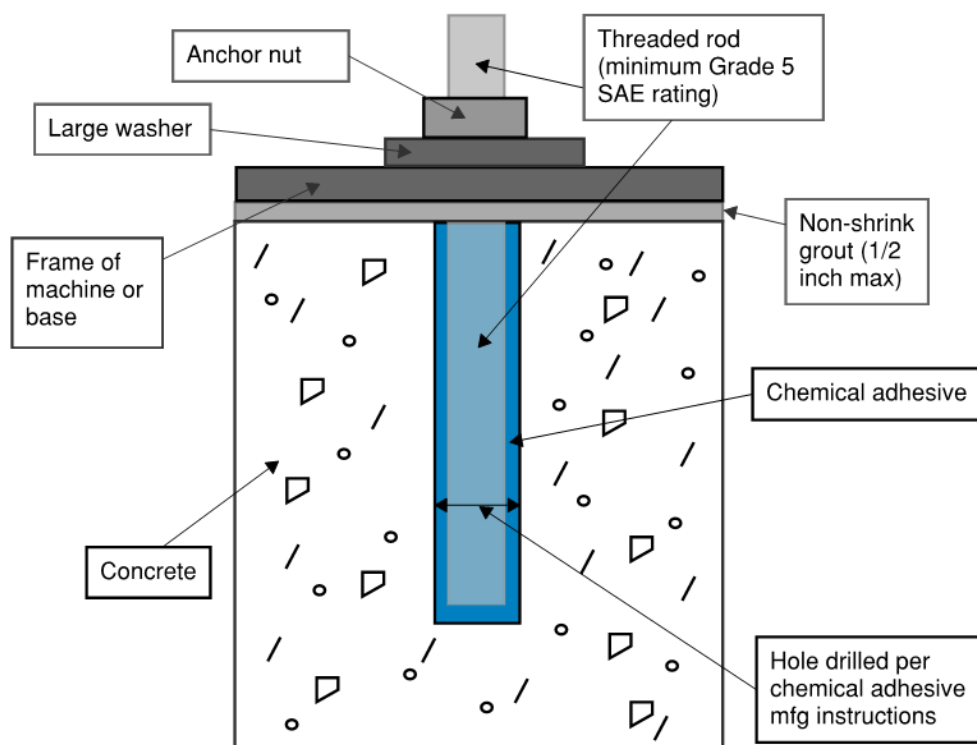
Fig. 2.4

2. Drill the holes in accordance with the above sizing chart. Verify that the anchor is about 2 inches above the top of the concrete.
3. Remove the anchors from the holes and fill holes with anchoring adhesive. **FOLLOW ALL CHEMICAL ADHESIVE MFG INSTRUCTIONS.**
4. Place anchors back in the holes. Rotate the anchors about 180 degrees to ensure the anchoring adhesive is properly coating the anchor.
5. Set the washer over anchors, raise and level the washer a maximum of  $\frac{1}{2}$  inch off the floor using spacers under washer frame at or near anchor bolt. The spacer location is important to keep the frame from being damaged when washer is being secured by tightening the anchor.
6. Once washer is setting on spacers and is level, fill the space between machine frame and floor surface with non-shrinking machinery grout the full width and depth of frame members of washer. Make a drain opening in the rear of the base grouting approximately 1" wide to allow any water build-up under the base to drain away.
7. After the grout is completely dry and the chemical anchor is cured install fastening hardware. Make sure you use the large washer and tighten the nuts alternately until all anchors are securely tightened. It is recommended not to use a locking C-type washer as they often break apart and the machine vibration may allow parts to separate from the mounting nut. This may cause the washer to vibrate, which could result in damage to unit.

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*Always follow the warnings and procedures in the corresponding equipment instruction manual.*

