WHITE BRONC 030-0820

TOP LEVEL OF RESILIENT MATERIAL

 DETAIL A

GROUND LEVEL
18" [457] MINIMUM

CONCRETE FOOTING

EARTH

218" [457]

DETAIL B

24" [610] MINIMUM

THICKNESS OF RESILIENT MATERIAL ABOVE CONCRETE FOOTING:
- FULL DEPTH OF RESILIENT MATERIAL IF MAT OR UNITARY
- 4" DEPTH IF LOOSE FILL MATERIAL. TOTAL RESILIENT CAN BE MORE BUT FOOTING WILL NEED TO BE RAISED.

1/2" LOCK NUT 002-0004

1/2"

FLAT WASHER 021-0025

PLATE

1/2" X 6" ANCHOR BOLT 025-0021

DETAIL A
NOTE:
ORIENTATION OF SPRING CASTINGS MAY VARY BETWEEN ASSEMBLIES

SECTION C-C

NOTE:
SEE INSTALLATION INSTRUCTIONS FOR TIGHTENING PROCEDURE. SPRING CASTING SHOULD BE TIGHT AGAINST PLATE. BOLTS ARE TO BE TIGHTENED TO 60-70-FT. LBS.
### Parts List

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0069</td>
<td>SPRING CASTING</td>
<td>2</td>
</tr>
<tr>
<td>007-0253</td>
<td>BOTTOM PLATE 9 7/8&quot; SQ</td>
<td>1</td>
</tr>
<tr>
<td>007-0254</td>
<td>TOP PLATE 4&quot; x 7 1/2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>022-0005</td>
<td>RUBBER SPRING COVER</td>
<td>1</td>
</tr>
<tr>
<td>030-0636</td>
<td>R &amp; R SPRING</td>
<td>1</td>
</tr>
<tr>
<td>030-0820</td>
<td>WHITE BRONC</td>
<td>1</td>
</tr>
<tr>
<td>036-0660</td>
<td>HARDWARE PACKAGE</td>
<td>1</td>
</tr>
</tbody>
</table>

*Note: Hardware package(s) may include extra hardware that is not necessary for this installation.*

### Specifications

**SPRING CASTING:** Hot-dipped galvanized, grade 32510, malleable iron.

**BOTTOM PLATE 9 7/8" SQ:** 1/4" HR steel plate finished with a baked on powder coating.

**TOP PLATE 4" x 7 1/2":** 1/4" HR steel finished with a baked on powder coating.

**RUBBER SPRING COVER:** EPDM Elastomer compound flexible tube.

**R & R SPRING:** One piece all welded construction consisting of 13/16" OD spring steel and 3/4" diameter HR steel round finished with a black baked on powder coating.

**WHITE BRONC:** One piece all welded construction consisting of cast aluminum alloy parts. Finished with a baked on powder coating.

**HARDWARE PACKAGE:** Zinc plated screws, nuts, bolts, and washers.

**SHIPPING WEIGHT:** 72 LBS.

### Installation Instructions

**Note:** Do not tighten hardware until instructed to do so.

1. Determine footing location for ROCK N RIDE to be installed.
2. Attach R & R SPRING to BOTTOM PLATE using SPRING CASTING. Slide casting through coil of spring and rotate spring casting until contact of the "+" side of the pin of the spring is made. Fasten using 1/2" x 1 3/4" hex head cap screws and 1/2" lock nuts. Tighten bolts until spring casting is tight against the plate, alternating between the two bolts tightening a half turn at a time. You can ensure that the spring casting is tight to the plate by trying to slide the edge of a piece of paper between the casting and the plate. Bolts should be tightened to 60-70 ft. lbs. See DETAIL B and SECTION C-C.
3. Slide RUBBER SPRING COVER over spring.
4. Compress spring cover and attach TOP PLATE to R & R spring locating spring casting on positive (+) side of locating pin using 1/2" x 1 3/4" hex head cap screw and 1/2" lock nuts. Refer to Step 2 for proper tightening instructions of bolts. See DETAIL B and SECTION C-C.
5. Dig hole for concrete footing. **NOTE:** A portion of the footing may need to be formed above ground level to accommodate a minimum of 4" of resilient material. A minimum of 18" of the footing is needed below ground level.
6. Pour concrete into footing hole and level off. **NOTE:** A portion of the footing may need to be formed above ground level to accommodate a minimum of 4" of resilient material.
7. Use the top plate of the spring assembly to point the Rock N Ride in the desired direction and use bottom plate as a template, by allowing the spring assembly to create a light imprint in concrete to show location of anchor bolts. **NOTE:** Ensure a pocket in the footing for the head of the bolts that secure the spring to the mounting plate.
8. Insert 1/2" X 6" anchor bolts into the concrete and allow concrete to set 2 to 3 days. **NOTE:** Allow enough thread on anchor bolts to secure bottom plate to footing. See DETAIL A.
9. Once concrete has set-up, place assembled Rock N Ride into position and attach bottom plate to anchor bolts using 1/2" lock nuts and 1/2" flat washers. Tighten nuts.
10. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.