

Motorcycle Spring Rider

MEC-127
Installation Instructions



PARTS LIST

DESCRIPTION	No. REQ'D	PART NUMBER
8" x 8" Base Plate	1	304020
Race Plate Panel	1	304007**
Round Panel	3	304009**
Handle Bar Panel	2	304011**
Seat Panel	1	304013**
Center Body Panel	1	304015**
Outer Panel	2	304017**
Space/Filler Panel	2	304019**
Coil Spring	1	304028
90° Angle Bracket	4	302334
Spring Bouncer Bracket w/Slotted Holes	1	307754
Spring Bouncer Bracket w/Square Holes	1	301760
Handle	2	304022
Cast Aluminum Disc	2	304026
3/4" Spacer	2	304070
Hardware Complete	1	315343
Aluminum Foot Rest	2	304024*
1/2" x 2 1/2" Carriage Bolt	4	800359*
1/2" Flat Washer	8	817412*
'J' Bolt	4	800000*
1/2" Lock Nut	8	804355*
3/8" x 6" Threaded Rod	1	803580*
3/8" Barrel Nut	6	804804*
3/8" Acorn Nut	2	804002*
3/8" x 3/4" Carriage Bolt	6	800252*
3/8" Flat Washer	16	817410*
3/8" x 1 1/2" P.B.H.C.S. w/Patch	2	812053*
3/8" x 3" P.B.H.C.S. w/Patch	1	812059*
3/8" x 3 1/2" P.B.H.C.S. w/Patch	2	812075
3/8" x 2" Hex Bolt	1	801007*
3/8" x 4 3/4" Hex Bolt	2	801018*
3/8" x 5" Hex Bolt	2	801019*
3/8" Lockwasher	5	817334*
3/8" Lock Nut	6	804353*
White Plastic Cap	12	304072*
White Plastic Washer	12	304071*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Motorcycle Bouncer Kit #304076*

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

Note: Loctite (supplied by others) should be used on all threaded hardware.

SPECIFICATIONS:

Panels: High-density .750" thick extruded solid polyethylene with color molded in and UV-stabilized.

Spring: Free height 13-1/2", 5.75 O.D. steel tempered, powder-coated black.

Handles: Bent from 1" Galvanized Pipe, powder-coated after fabrication.

Bolt Caps: Injection molded polypropylene, UV-stabilized, white in color.

Brackets: Formed from 3/16" steel and 10 GA. galvanized steel, powder-coated black after fabrication.

Hardware: Primary Hardware is stainless steel.

Weight: 99 lb. / 45 Kg Minimum Area Required: 16' diameter.

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INSTALLATION INSTRUCTIONS:

IMPORTANT: Read through all instruction steps before starting. Apply a few drops of "Loctite" Thread-locking compound to all carriage or hex bolt threads to resist loosening from vibrations. Do not attach Plastic Caps onto Plastic Washers until all assembly is completed and satisfactory. Do not fully tighten fasteners until ready to snap on plastic caps (step 8.).

1. Dig footing as shown in Typical Concrete Footing diagram.
2. Use the spring base plate as a template to make a plywood template for the placement of anchor bolts (plywood not supplied).
3. Attach 1/2" x 10" anchor bolt (M) with washers and nuts to holes in template, allowing 7/8" of thread to protrude from concrete.
4. Pour concrete footing and lay template on surface in a level position. Force anchor bolts into concrete, allowing 72 hours curing time before removing template.
5. Attach Coil Spring (L) to Base Plate (K) using Aluminum Casting Plate (K1), Bolts (J1), Washers (W1) and Lock Nuts (X) and fasten Tightly. (NOTE: When inserting Aluminum Casting Plate between Coil Spring, make sure it is rotated to its maximum position to the end of the Coil Spring, both top and bottom.). Attach Panels (A, B and C) using Spring Brackets (I and J), Bolts (N1), Washers (U and W) and Nuts (T). (Note: Bracket (I) must be located below (J) and Bolts (J1) have to be in position on Bracket (J) before attaching to panels (A, B and C). Attach assembly to Coil Spring (L), and fasten loosely with the same procedure using Aluminum Casting Plate (K1) as shown in the assembly drawing.
6. Attach Seat Panel (E) to Panels (A, B and C) using Brackets (H), Bolts (O and N3), Washers (U, W, &Z) and Nuts (T and R) as shown in the diagram. Attach Panels (D) to assembly using Bolts (N), Spacers (Y), Nuts (T) and Washers (U and W) as shown in the assembly drawing. Attach Footrest (G) using Bolts (N2), Washers (W &Z) and Cap nuts (S).
7. Attach Handles (F) using Round Panel (D2) and Threaded Rod (Q) for upper hole and Bolts (P1) for lower holes as shown in the assembly drawing. Attach Panel (D1) to panels (D) using Brackets (H), Bolts (O) and Nuts (R).
8. Tighten all fasteners and snap on all plastic caps (V) to plastic washers (U) by hand or using a rubber mallet. (NOTE: do this only after all assembly is completed and satisfactory, as the plastic caps are designed to be very difficult to remove once they are snapped in place. If removal becomes necessary, use the edge of a utility knife to carefully pry off.) Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.
9. Install resilient surface material within the use zone of play structure, in accordance with ASTM specifications F 1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

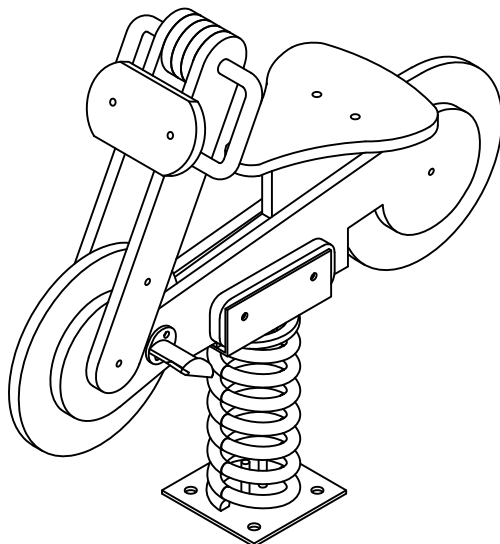
MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check for cracks, gouges or breakage on plastic, check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Check periodically resilient surfacing for appropriated depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records of each public-use playground equipment.

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FINISHED ASSEMBLY

MATERIAL LIST:

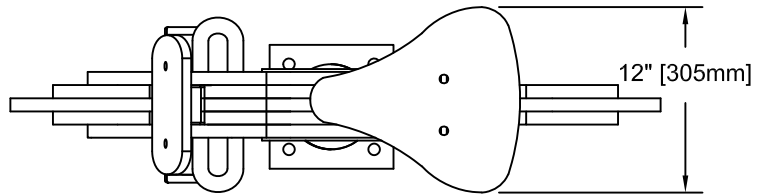
A = CENTER BODY PANEL	(BLACK)	(1)
B = OUTER PANEL	(TAN)	(2)
C = SPACER/FILLER PANEL	(TAN)	(2)
D = HANDLE BAR PANEL	(RED)	(2)
D1= RACE PLATE PANEL	(TAN)	(1)
D2= ROUND PANEL	(RED)	(2)
E = SEAT PANEL	(RED)	(1)
F = HANDLE	(WHITE)	(2)
G = FOOTREST	(WHITE)	(2)
H = ANGLE BRACKET 90°	(WHITE)	(4)
I = SPRING BRACKET W/O TAB W/SLOTTED HOLES	(BLACK)	(1)
J = SPRING BRACKET W/O TAB W/SQUATE HOLES	(BLACK)	(1)
J1= 1/2" X 2-1/2" CARRIAGE BOLT-SS		(4)
K = 8" X 8" BASE PLATE W/SQUARE HOLES		(1)
K1= ALUMINUM CASTING PLATE		(2)
L = COIL SPRING 13-1/2" LONG	(BLACK)	(1)
M = 'J' BOLT W/1/2" WASHER AND NUT		(4)
N = 3/8" X 4 3/4" HEX BOLT		(2)
N1= 3/8" X 5" HEX BOLT		(2)
N2= 3/8" X 3-1/2" HEX-PINNED BOLT		(2)
N3= 3/8" X 2" HEX BOLT		(1)
N4= 3/8" X 3" HEX-PINNED BOLT		(1)
O = 3/8" X 3/4" CARRIAGE BOLT		(6)
P1= 3/8" X 1-1/2" HEX-PINNED BOLT		(2)
Q = 3/8" X 5" ALTHREAD ROD		(1)
R = 3/8" BARREL NUT		(6)
S = 3/8" CAP NUT		(2)
T = 3/8" LOCK NUT	(WHITE)	(6)
U = PLASTIC WASHER	(WHITE)	(12)
V = PLASTIC CAP		(12)
W = 3/8" FLAT WASHER		(16)
W1= 1/2" FLAT WASHER		(4)
X = 1/2" LOCK NUT	(RED)	(4)
Y = 3/4" PIPE SPACER		(2)
Z = 3/8" LOCKWASHER		(3)

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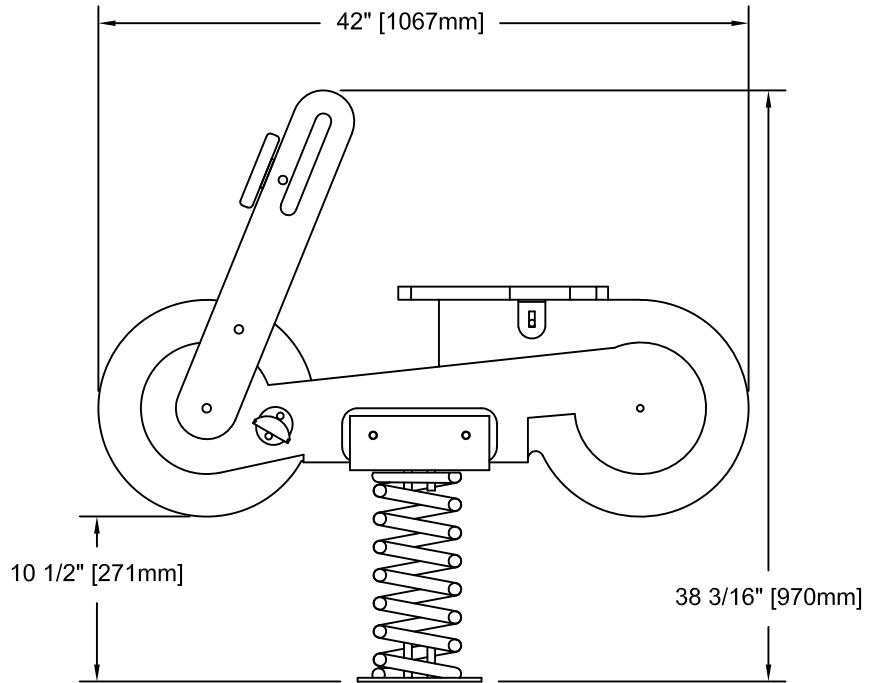
MEC-127

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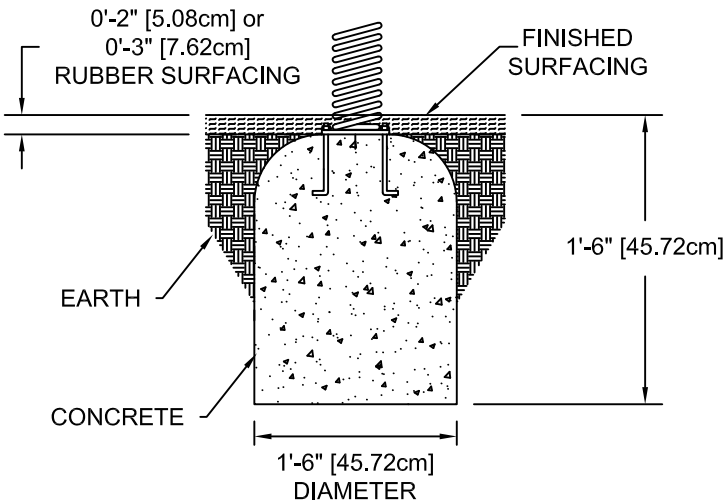
PLAN VIEW



ELEVATION VIEW



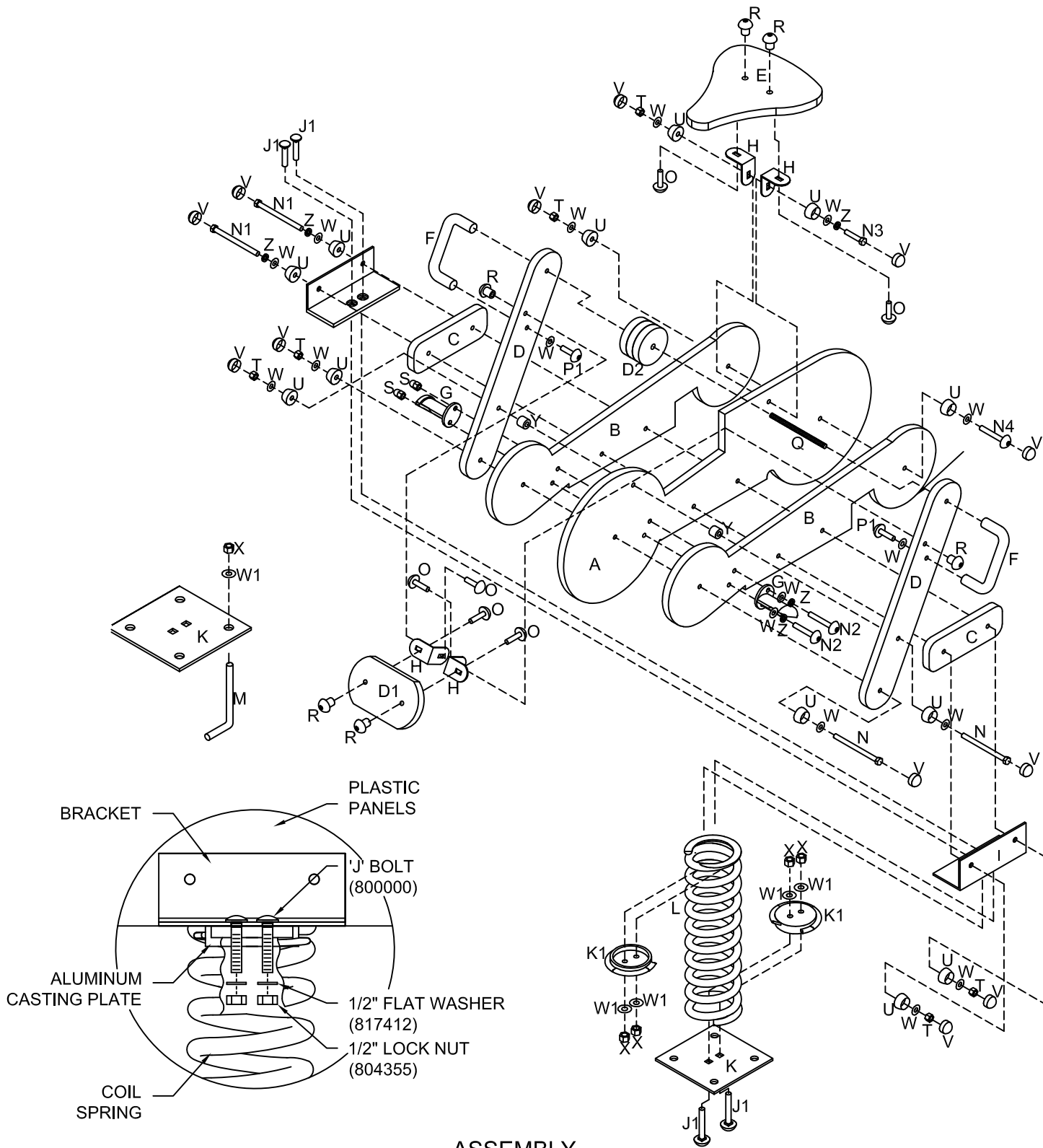
FOOTING
DETAIL



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ASSEMBLY