



# Mountain Twist

SKU: 622pg610

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
	CLIMBER PANEL	1	02-07-0234
	CENTER UPRIGHT	3	02-07-0235
	CENTER UPRIGHT FOOTBUCK	1	02-07-0236
	FOOTBUCK	6	02-07-0237
	<b>HARDWARE COMPLETE</b>	1	33-12-0169
1	SCREW M10 x 20	6	
2	SCREW M10 x 75	2	
3	SCREW M10 x 130	12	
4	SPRING WASHER M10	12	
5	GASKET M10	24	
6	WASHER M10	36	
7	SCREW CAP M10	12	
8	NUT M10	12	
9	BARREL NUT M10	2	

*Unless Otherwise Specified, All Units of Measure are Each*

*Items listed below Hardware Complete line are included with Hardware Complete Number*

**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. 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 any non-patch hardware.**

## SPECIFICATIONS:

### **Climber Panel:**

Shall be 3/8" wall thickness double wall construction, color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). Handholds shall be fabricated from a hybrid resin mixture with custom formulated UV inhibitor.

### **Footbuck:**

Shall be an all welded construction fabricated from 2.375" O.D. galvanized steel tubing and 1/4" hot rolled steel. Footbuck shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

### **Center Upright / Center Upright Footbuck:**

Shall be fabricated from 5" O.D. galvanized steel tubing. Center Upright and Center Upright Footbuck shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

### **Hardware:**

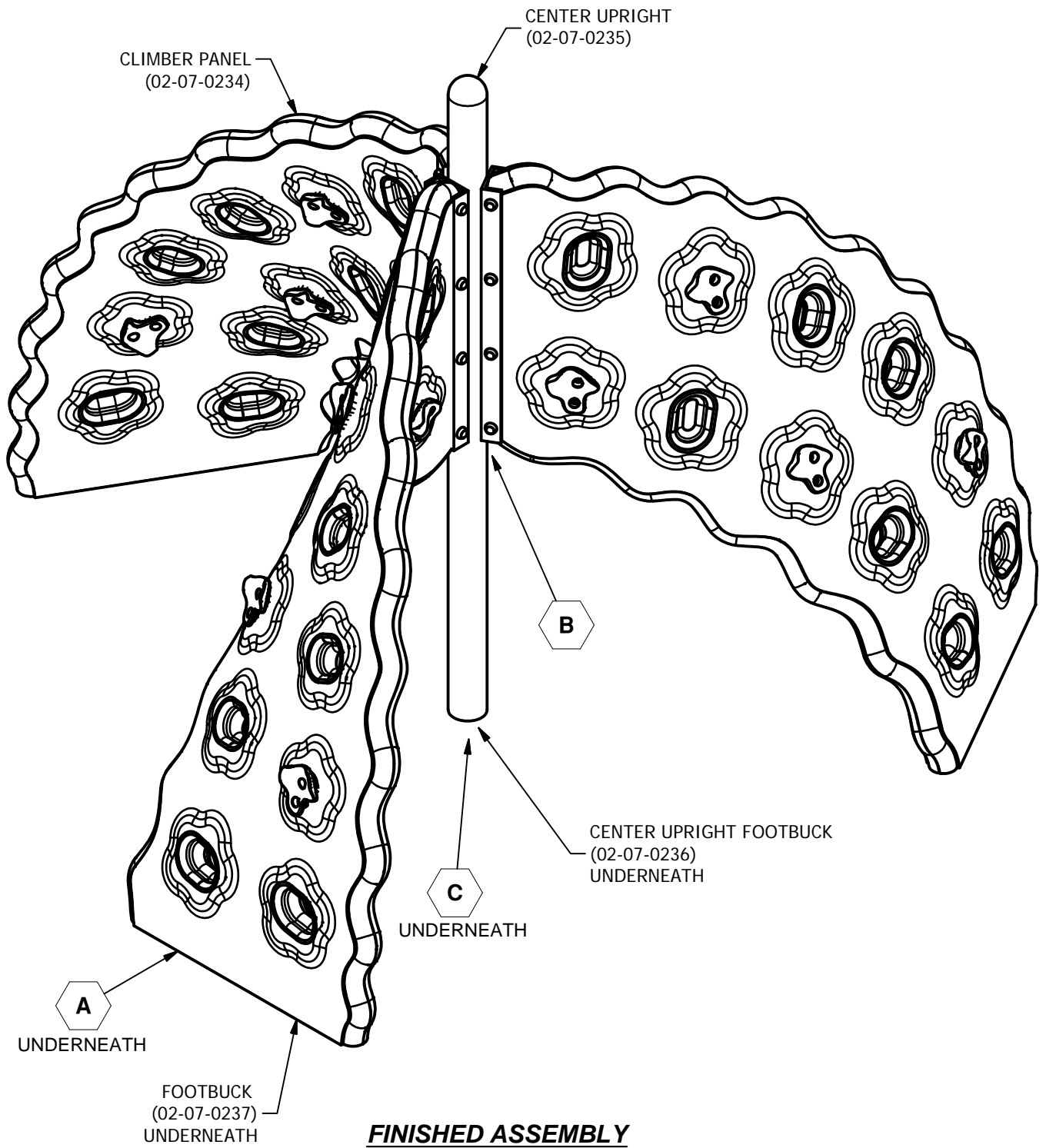
All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. Stainless steel fasteners shall be button pin-in head, hex socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

### **INSTALLATION INSTRUCTIONS:**

1. Determine the location of the Twist Mountain Climber and dig the footing hole as shown in Top View. Refer to the Elevation View for footing depth.
2. Attach Footbuck to Climber Panel using Screw M10 x 20 and Washer M10. See Detail A.
3. Attach Center Upright Footbuck to Center Upright using Screw M10 x 75 and Barrel Nut M10. See Detail C.
3. Attach Climber Panel to Center Upright using Washer M10, Screw M10 x 130, Gasket M10, Spring Washer M10, Nut M10 and Screw Cap M10. See Detail B.
4. When the Twist Mountain Climber is plumb and level, tighten all fastener and pour concrete footing within 4" to the top and taper away from supports to allow drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

### **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. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



⬡ = INSTALLATION DETAIL

