



E-100 Paint Boom Installation Procedure For Existing Model E-100 Owners

Tools needed:

1. 3/16" hex wrench (in cloth tool bag)
2. 5/32" hex wrench
3. Regular Screw Driver
4. Adjustable wrench
5. Hose cutter (knife or shears)
6. Pliers

Packing Contents:

7. Paint Boom with 4" x 24" Paint Box Shield. Two quick disconnect spray nozzle caps, two check valves, two spray tips, and two adjustable spray mounting brackets.
8. Two piece mounting bracket with 4 button head bolts.
9. Guide Marker chain with weighted end piece and 1/8" hex wrench.
10. Female Quick coupler with 90 fitting and connecting nipple.
11. Male Quick coupler with connecting nipple.
12. Hose Clamps (2)
13. Teflon tape (2 lengths of 6")

Mounting procedure:

1. Remove Paint Boom from packing box and visually inspect for damage. Locate the two piece mounting bracket with four button head bolts as well as the Guide Marker chain.



2. Attach the two mounting brackets to the right side (as you face it from the front) of the E-100 horse-shoe support rod. The vertical post bracket is mounted on the back-side of the vertical support rod (handle bar side). The second bracket is attached to the front side of the support rod with the four button head bolts using 3/16" hex wrench. There is a slight gap between the brackets when tight.
3. Loosen the setscrew (lower left corner of the 4" x 24" paint box) with a regular screwdriver, then sliding the 1/8" hex wrench through the slot (curved end pointed in the 10 o'clock position). Tapping required to pass by the Philips head screw. Tighten the setscrew. Slip the yellow connector with chain over the 1/8" hex wrench. Adjust hex wrench in or out as necessary to avoid traveling over paint stripe.



4. The Paint Boom is attached by sliding the square vertical tubular section over the vertical mounting post. The fit should be snug with the painted post.
5. Locate the package with Quick Disconnect parts, hose camps, and Teflon tape.
6. Cut the 2 hoses just above the 90-degree

barb fittings on the T-connector block on right side of unit just behind the paint shoe assembly.

7. Remove the T-connector block by using adjustable wrench, turning counter clockwise.
8. Loosen setscrew below block holding the pipe connector for the T-connector with 5/32" hex wrench. Slide pipe to outside (1/4" to 1/2") and retighten setscrew. This provides more clearance to the outside for 90-degree connector with female quick coupler attachment.
9. Apply Teflon tape to pipe connector end, about three wraps. Connect and tighten the 90-degree connector with quick disconnect coupler on pipe connector using adjustable wrench turning clockwise until snug (about 5-7 revolutions). The quick disconnect coupler should be parallel with deck and pointing toward the front of the unit.



10. Remove hose camps and hose from T-connector.

11. Tighten the 90-degree barbed connector on the right side of the T-connector 180-degrees.
12. Remove the 90-degree barbed hose connector from the left side of the T-connector.
13. Reapply Teflon tape to barbed hose connector and connect to the center port of the T-connector with adjustable wrench so the opening is facing up, same direction as barb connector on right side of T-connector.
14. Connect and tighten the pipe fitting on the male quick coupler to the vacant port on the T-connector using adjustable wrench (tighten 5-7 revolutions).
15. Add both hose clamps to hoses leading to the spray nozzles.
16. Reconnect spray hoses to 90-degree barbed fittings. Attach front hose to front barbed fitting closest to front wheel. Attach rear hose to center T-connector. Adjust hose clamp over barbed connector and tighten with regular screwdriver. When using the Paint Boom the paint shoe connection can be wrapped around and held between rear hose and vertical nozzle assembly.
17. Attach the quick disconnect male hose connector to the quick disconnect on the right side of the unit just behind the paint shoe assembly.



18. By using the right hand control cable you are able to activate the two spray nozzles just like the spray shoe assembly operation.

19. Recommend contacting Tru Mark Athletic Field Maker, 1-800-553-6275, for a 5-minute familiarization of the equipment and its operation. If possible call ahead of time to confirm a technician will be available to discuss the operations

while near the E-100 Paint Boom (cell or speaker phone).

Current as of 12/04/02

E-100 Paint Boom Parts

Description	Part Number
Paint Boom with shields	90010-401-0000
Quick cap w/ seat gasket Red (2)	90099-100-077 (25612-3-NYR)
3/8" single shank nozzle body	90099-100-075 (18635-111-406-NYB)
3/8" double shank nozzle body	90099-100-080 (18636-112-406-NYB)
Check Value (2)	100-159-008 (4193A-5-50SS)
110 degree extended range flat spray tip (2)	90099-100-076 (XR11004-VS)
Vari-spacing clamp 3/4" tubing (2)	90099-100-0078 (3/4 SQ)
Clamp Block Front	90010-400-0002
Clamp Block Back	90010-402-0000
5/16"-18 x 1" bolt (4)	90099-100-081
Guide marker	90010-400-0009
1/4" FML ARO Coupler	100-159-001
1/4" FPT to Male ARO Coupler	100-159-002
1/4" NPT x 7/8" Nipple (2)	100-159-026
5/8" Adjustable Hose Clamp (2)	100-929-041
1/4" 90 Degree Elbow F/F	100-159-040
Teflon Tape 6" (2)	100-159-027