All-O-Matic
Jamb-Track Hardware
Installation Istructions

Quality.

Performance.

Service.

All Second To None…

Types and Sizes Of Jamb Track Hardware

	Weight	Width	Height
Regular Short Set	**350 LBS**	**19′**	**6′6″-7′**
Regular Long	**350 LBS**	**19′**	**7′-7′ 6″**
Jumbo	**450 LBS**	**20′**	**7′- 8′**
Heavy Jumbo	**550 LBS**	**22′**	**7′- 8′**
Heavy Jumbo Long	**650 LBS**	**22′**	**8′-10′ 6″**

WARNING!!
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1) **THIS HARDWARE IS FOR VEHICULAR DOORS AND GATES. IT MUST BE INSPECTED MONTHLY FOR WEAR AND LUBRICATED AS NEEDED**
2) **USE ONLY A QUALIFIED SERVICE PERSON TO WORK ON GATE OR HARDWARE.**
3) **SPRINGS ARE UNDER TENSION. IF YOU ARE NOT A SERVICE PROFESSIONAL, DO NOT TRY TO ADJUST OR CHANGE SPRINGS, THEY CAN CAUSE SERIOUS INJURY OR DEATH.**

1. Determine gate size

1.1. Before installing the jamb hardware you need to determine the opening, gate size and make sure the spacing shown in **Fig. 1**) is correct.

1.1.1. Measure across the top and bottom of jambs and make sure the jambs are plumb.

1.1.2. From the above measurement Subtract ¾″ min. space between jambs and gate on both sides. This will yield actual gate width. **Example:** Dimension between jambs is 12′4″ you subtract ¾″ on one side and ¾″ on the other side, the gate width will be 12′2.5″.

1.1.3. Measure opening height at both sides and use shortest distance and subtract 2″ for space under gate and subtract 4″ minimum* space at top of gate. ***Careful, additional space may be required for automatic gate operator installation.**

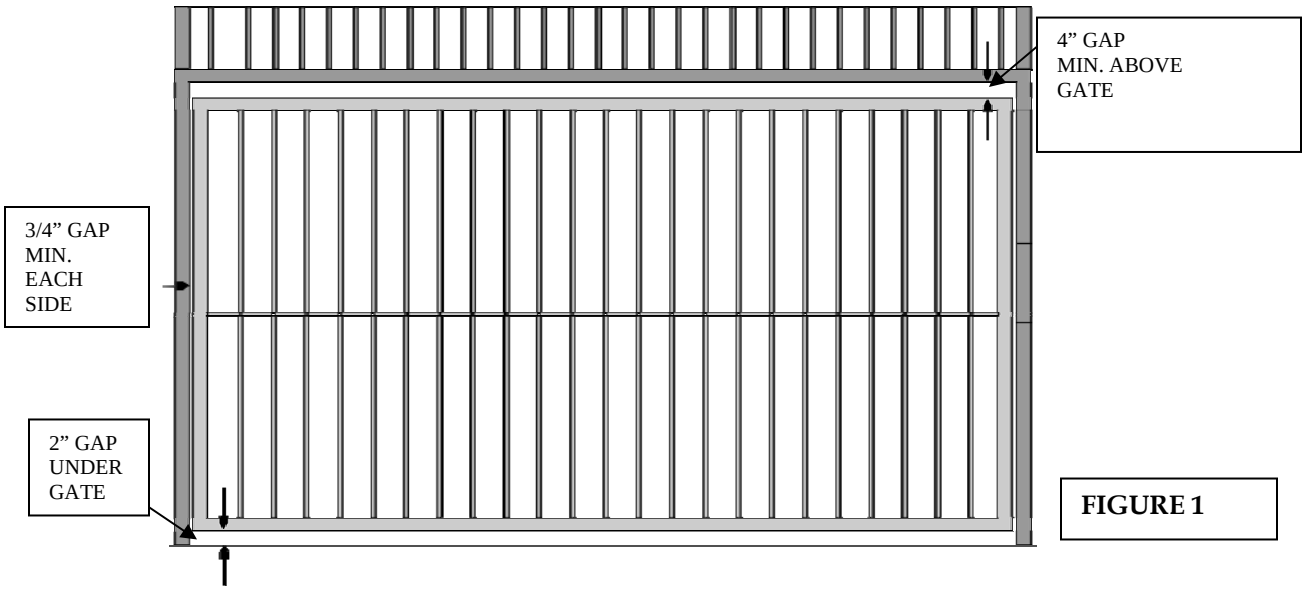

FIGURE 1

2. Hardware Installation

2.1. When installing overhead jamb hardware, make sure the jambs are plumb in both directions.

2.2. Place the gate in opening using shims under gate until it is correctly positioned and using a level across the top. Refer to **Fig. 1** and **Chart 1** for spacing around the gate.

3. Mark jambs

3.1. Measure down from top of the gate and mark points A, B, & C on both jambs. Refer to **Chart 1** and **Fig. 2** for dimensions A, B, & C.

Measure down from top of the gate and mark both Jambs.		Short set	Regular long set	Jumbo & heavy Jumbo	Heavy Jumbo Long
A	Top of J-Track	2″	2″	2″	2″
B	Centerline of kicker wheel	27″	30″	N/A	N/A
C	Bottom of main pivot bracket	40″	43″	43″	49

Chart 1

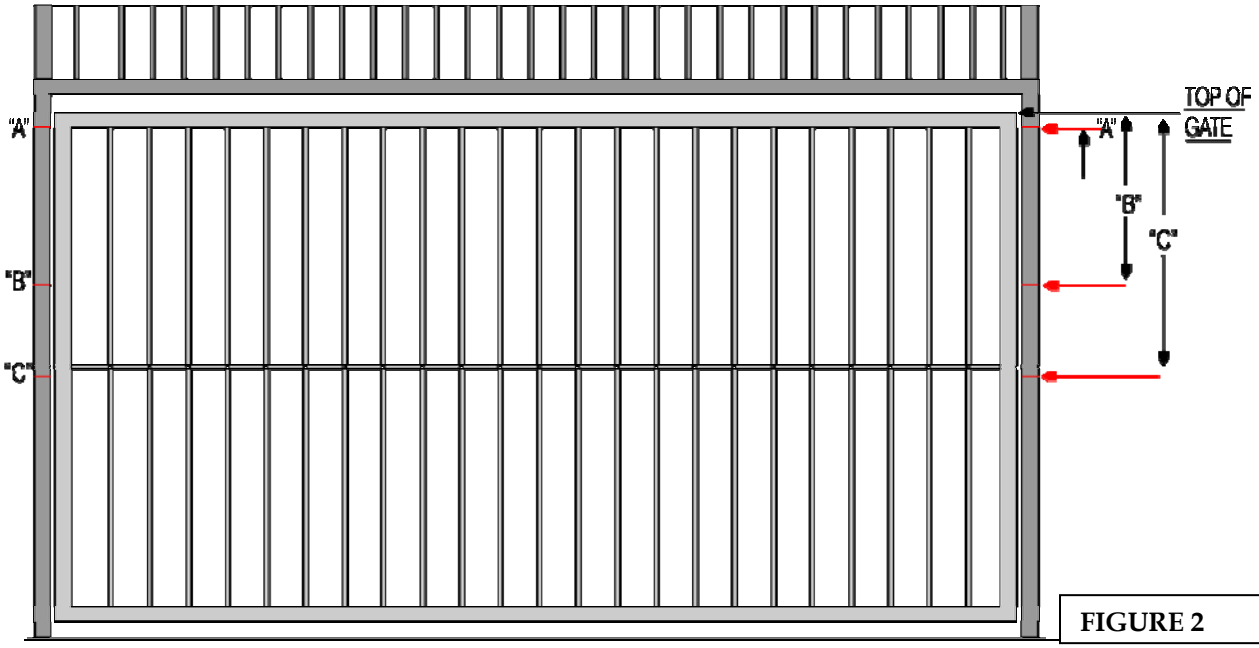

FIGURE 2

IMPORTANT: After marking jambs, double check and make sure that the marks on both sides are level. Not having marks level will make balancing of the gate impossible.

4. Placing and welding jamb hardware

4.1. Placing and welding main pivot angle bracket

4.1.1. Align bottom of main pivot angle bracket (pivot point to bottom) with mark **C** shown in **Figure 3**. With the main pivot angle in place and plumb. Clamp and weld. Do this on both sides.

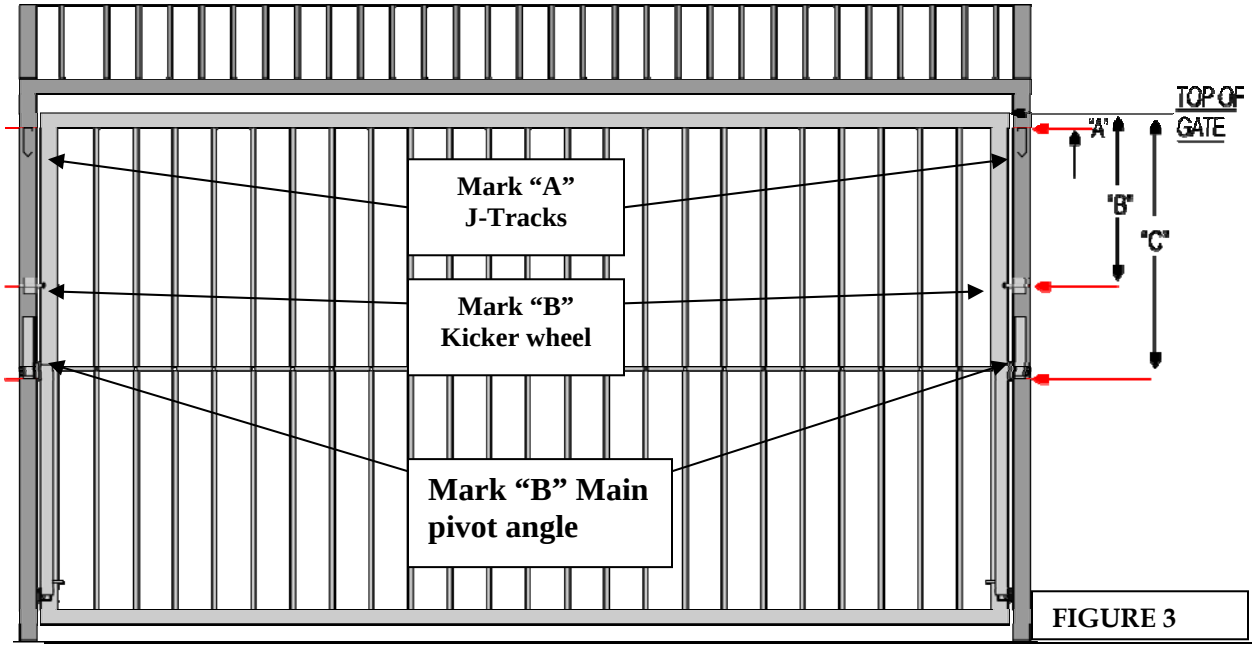

FIGURE 3

4.2. Placing and welding kicker wheel

4.2.1. Align center of kicker wheel bracket with mark **B** as shown in **Figure 3.** Clamp and weld. Center kicker wheel with gate side rails and weld shaft to kicker bracket.

4.3. Placing and supporting J-track

4.3.1. Align top of J-track (flat edge up) with mark **A**. Level J-track. Place temporary support at rear of J-track capable of supporting gate in open position, then weld J-track to rear of jamb. Refer to **Fig 4.**

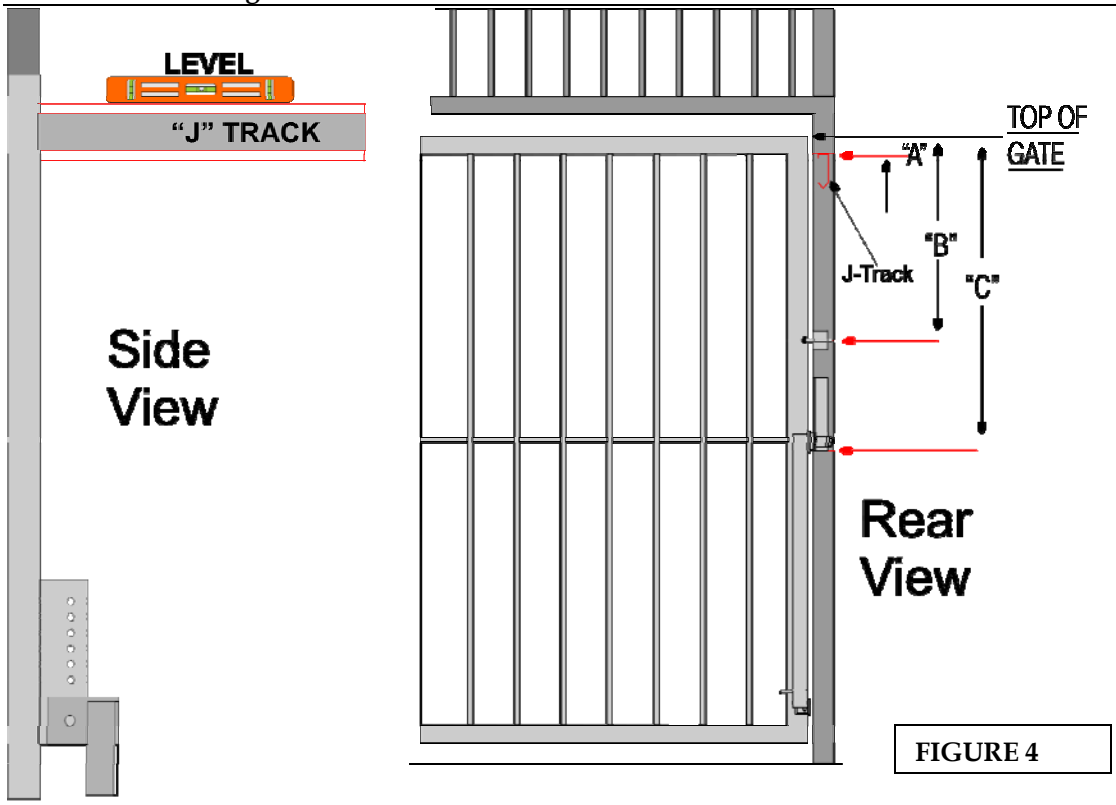

FIGURE 4

4.4. Welding track roller bracket

4.4.1. Slide track rollers with bracket into J-track. Clamp track roller brackets to the gate side rails and weld in place. See **Fig. 5.**

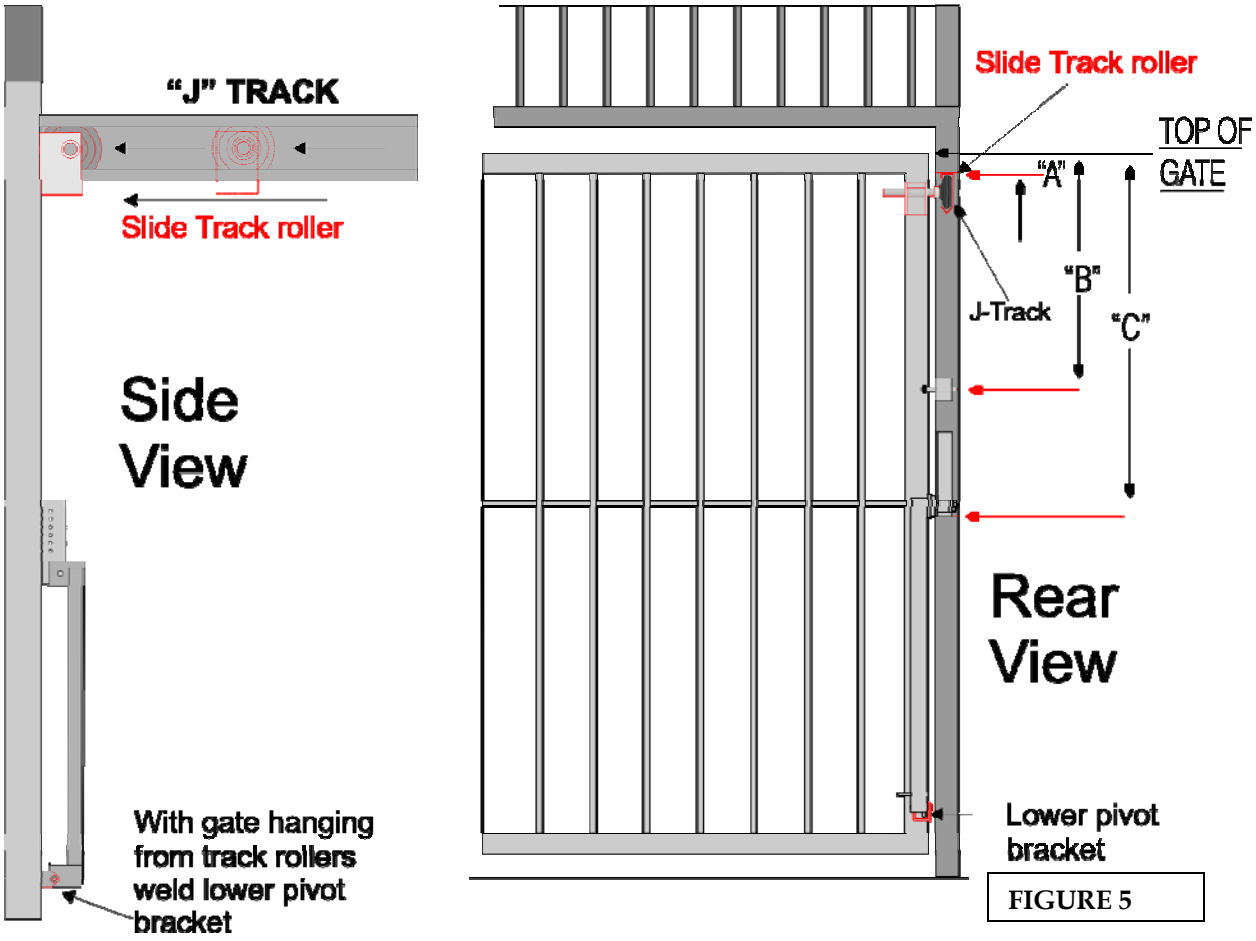

FIGURE 5

4.5. Welding Lower pivot bracket

4.5.1. Remove shims from under the gate and allow gate to hang from track rollers. Keeping gate flush with jambs, weld lower pivot brackets to gate side rails. NOTE: This procedure of allowing gate to hang from rollers before welding lower pivot brackets in place will insure a good fit between hardware and J-tracks. See lower part of **Fig. 5.**

4.6. Adjusting tracks

4.6.1. Raise gate to full open position. While raising gate, slip spring adjusting bolts through hardware brackets. Securely prop gate in open position.

4.6.2. Adjust J-tracks until they are parallel with the gate. Fasten the rear of J-tracks securely to the building structure.

4.7. Installing springs

4.7.1. Thread the spring adjusting bolt in to spring.

4.7.2. Bolt main spring main bracket to main pivot angle bracket. Lower holes on main spring angle brackets are for lighter gates and upper holes are for heavier gates.

4.7.3. Tighten adjusting bolt until all slack is out of spring and continue six more turns.

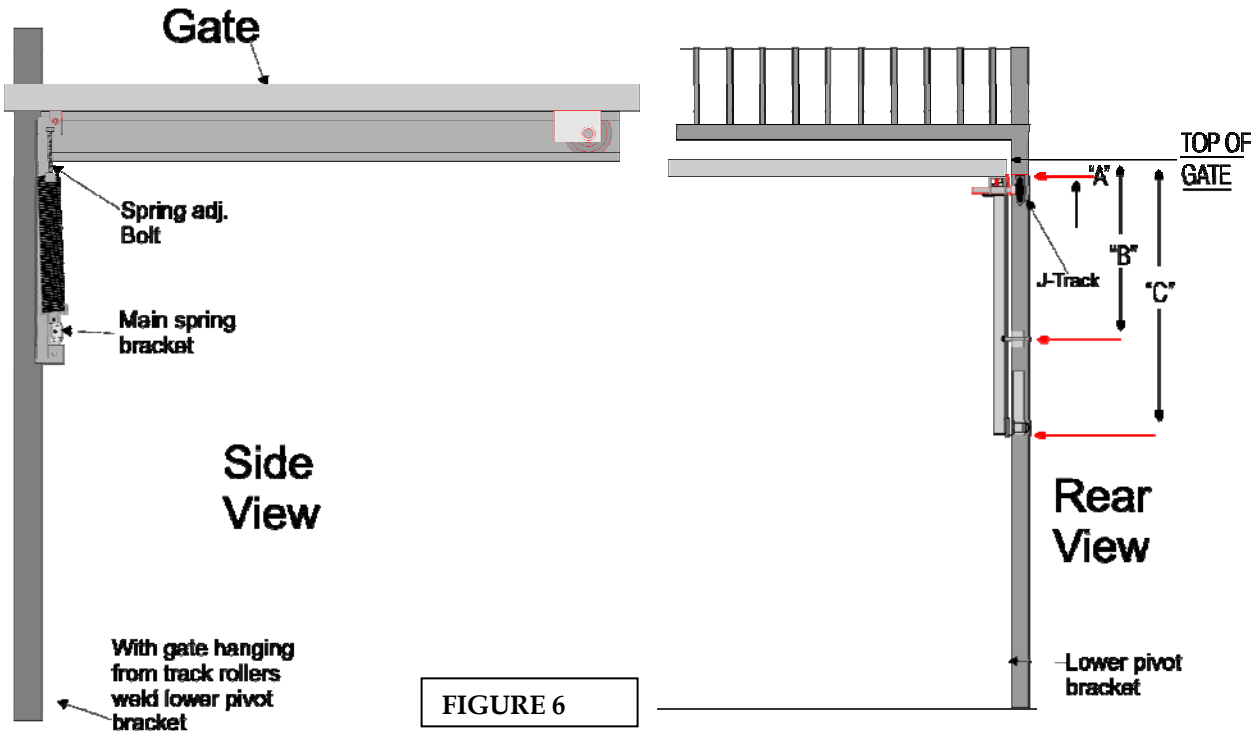

FIGURE 6

4.8. Final adjustments

4.8.1. Check gate for correct balance. Additional tightening of spring adjusting bolt will make gate lighter through its entire travel. The correct combination of main spring bracket position and adjusting bolt position will provide for perfectly balanced gate. **EXAMPLE:** Pull the gate up to your waste and let it go. The gate should stay in this position. If the gate goes down when you let go, you must tighten the spring as necessary. If gate goes up when you let go, the spring is too tight.

4.9. Final inspections

4.9.1. Check entire installation for smooth operation, proper welding, and tightness of all bolts.