

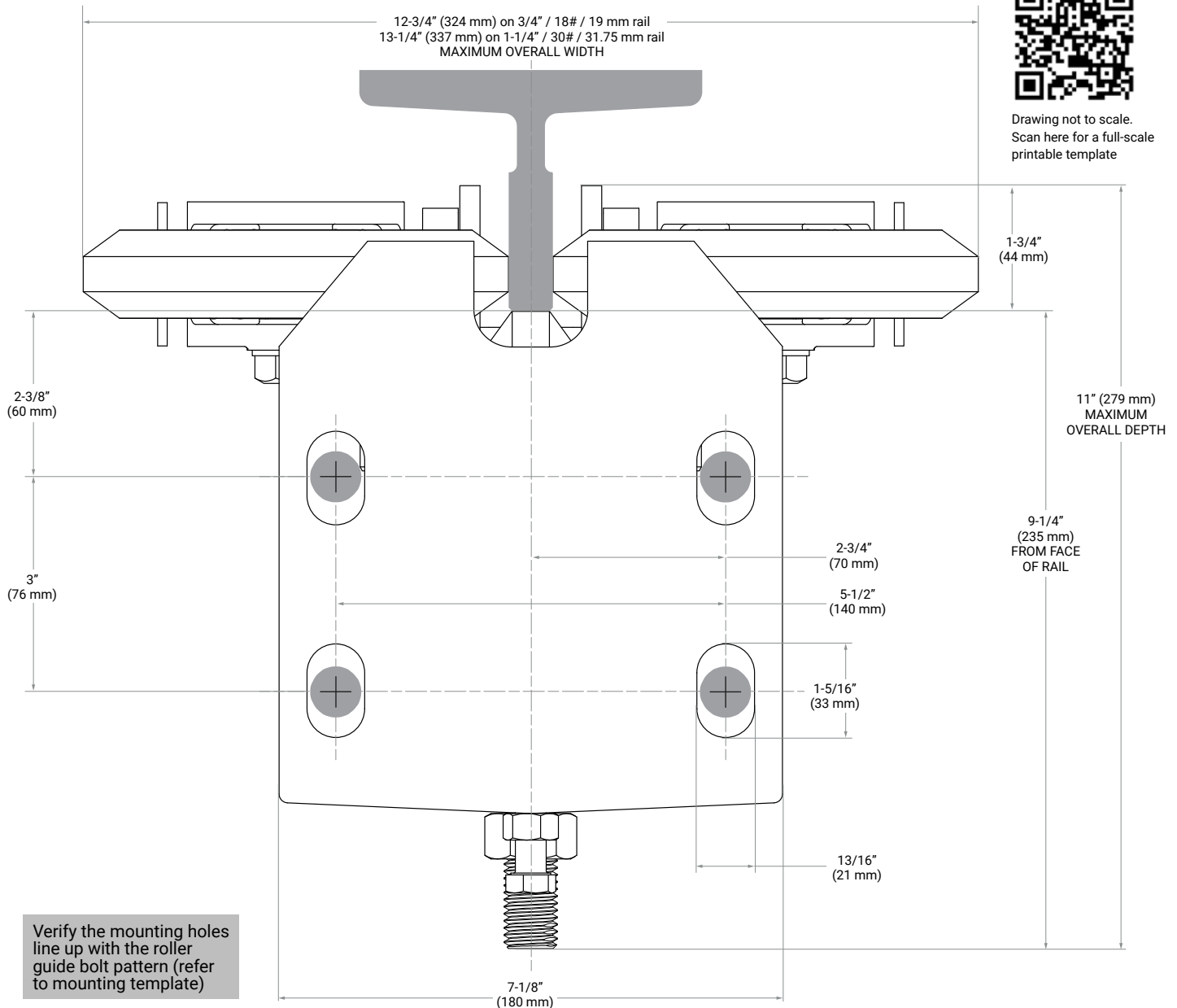


MODEL A

MOUNTING SPECIFICATIONS



Drawing not to scale.
Scan here for a full-scale
printable template



The industry's gold standard for elevator ride quality for over 70 years

For optimal roller guide performance and life, clean and properly align rails, and balance car before operation.

Upon receipt of your shipment, inspect the contents and immediately file a claim with the carrier if there is any damage.

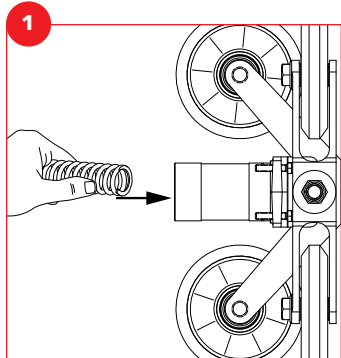
For best results, read all instructions thoroughly before proceeding with the installation.

INSTALLATION INSTRUCTIONS:

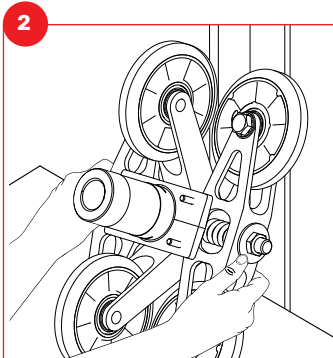
The Model A roller guide includes:

- › Mounting Bracket
- › Wheel Cluster Assembly

- › Spring
- › Hub Adjustment Screw Assembly - already installed on the bracket
- › **MOUNTING HARDWARE IS NOT INCLUDED**

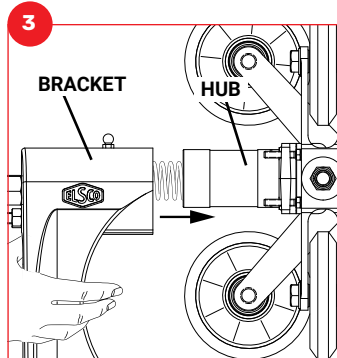


→ Insert the spring into the hub

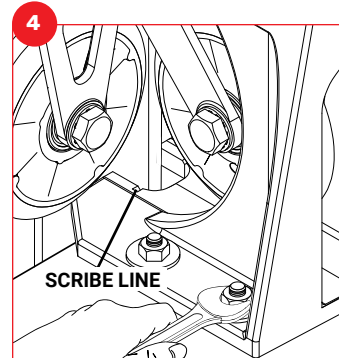


→ Position roller wheels on rail

- › Position uppermost roller wheels of wheel cluster on rail
- › Roll the entire assembly upward until the face roller wheels are firmly seated on the rail

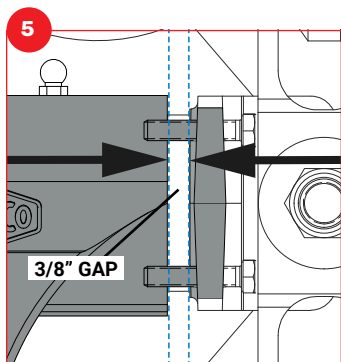


→ Place bracket onto the hub of wheel cluster assembly



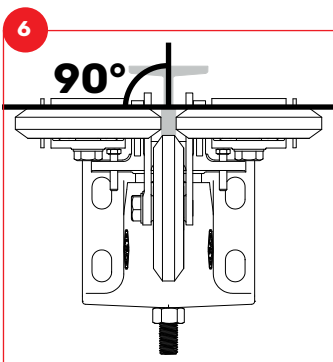
→ Position bracket over mounting holes or studs

- › Align the front face of the rail with the scribe line on base of bracket
- › Install mounting hardware
- › Lightly tighten mounting hardware to hold bracket in place

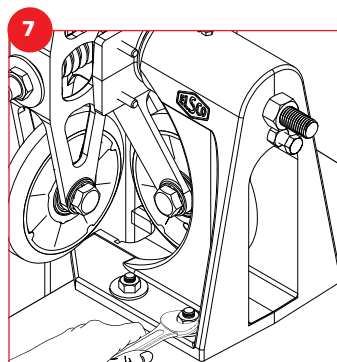


→ Set 3/8" (9.5 mm) gap between wheel cluster assembly and bracket using scribe line on the hub

Note: Ensure that both face roller wheels are firmly seated against the rail.

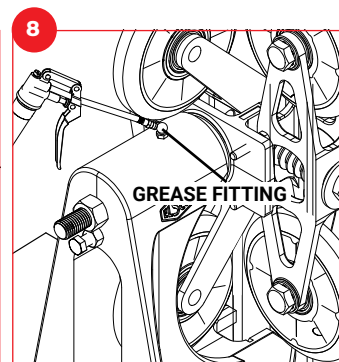


→ Ensure the guides are aligned correctly (as shown)



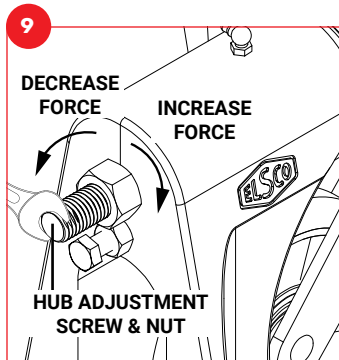
→ Securely tighten mounting bolts and torque as required

- › Repeat steps 5, 6 and 7 on remaining guides before proceeding



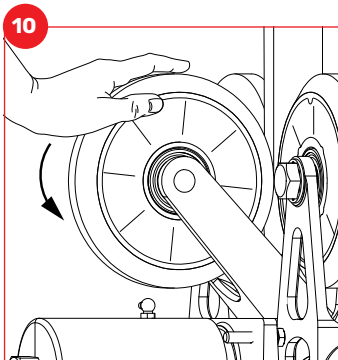
→ Lubricate the bracket and hub with general purpose grease

- › A small amount of grease should appear between the hub and the bracket



→ Set face arm wheel preload force on the rail

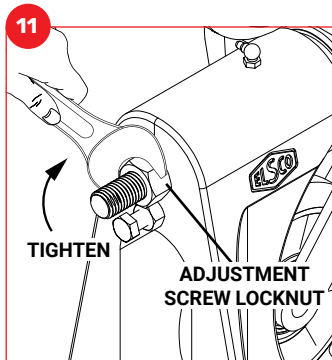
- › Loosen the hub adjustment nut by turning it counterclockwise until it's about halfway down the hub adjustment screw, so hub adjustment screw can turn freely
- › Turn the hub adjustment screw 4 turns clockwise



→ Test the preload force of each face roller wheel on the rail

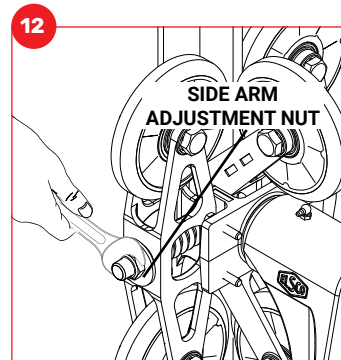
- › It should be possible to skid the roller wheels by hand with moderate effort
- › This represents approximately 25 - 50 lbf (110 - 220 N) of force on the rail

Note: If installing guides with polyurethane roller wheels refer to note* on back page for allowable wheel forces.



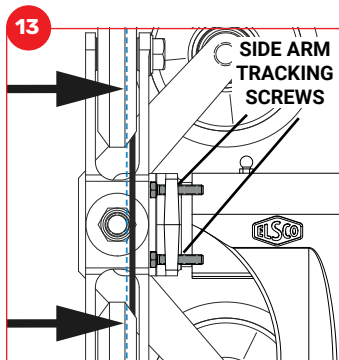
→ Verify the face wheel preload force and bracket and hub gap measurement (refer to step 5) are equal for each guide

- › IF correct, tighten hub adjustment screw locknut



→ Set side arm wheel preload force on rail

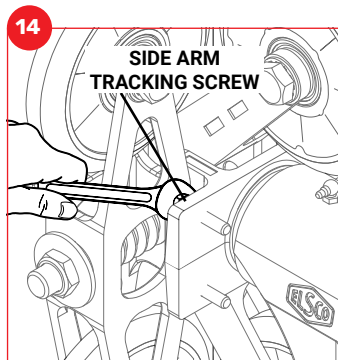
- › Turn side arm adjustment nuts until side roller wheels are compressed 1/32" - 1/16" (0.8 - 1.6 mm)
- Check face wheels are still tracking in the center of the rail
- Test the preload force on each side roller wheel
 - › It should be possible to skid the roller wheels by hand with moderate effort



→ Verify each pair of side arm roller wheels is tracking parallel to the face of the rail

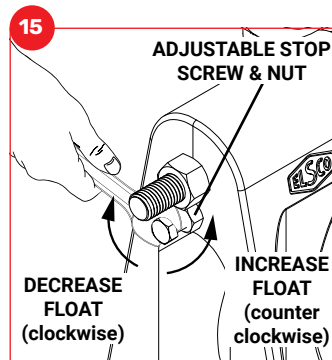
- › The distance from the edge of each roller wheel to the edge of the face of the rail should be the same for each wheel in the pairing

Note: Side arm tracking screws are preset at the factory. DO NOT adjust unless required.



→ Adjusting side arm tracking

- › If necessary adjust side arm tracking by turning side arm tracking screws until roller wheels are parallel to the face of the rail
- › Repeat steps 9 through 14 for each remaining roller guide



→ Fine tuning float

- › Decrease float - turn the adjustable stop screw clockwise
- › Increase float - turn the adjustable stop screw counterclockwise

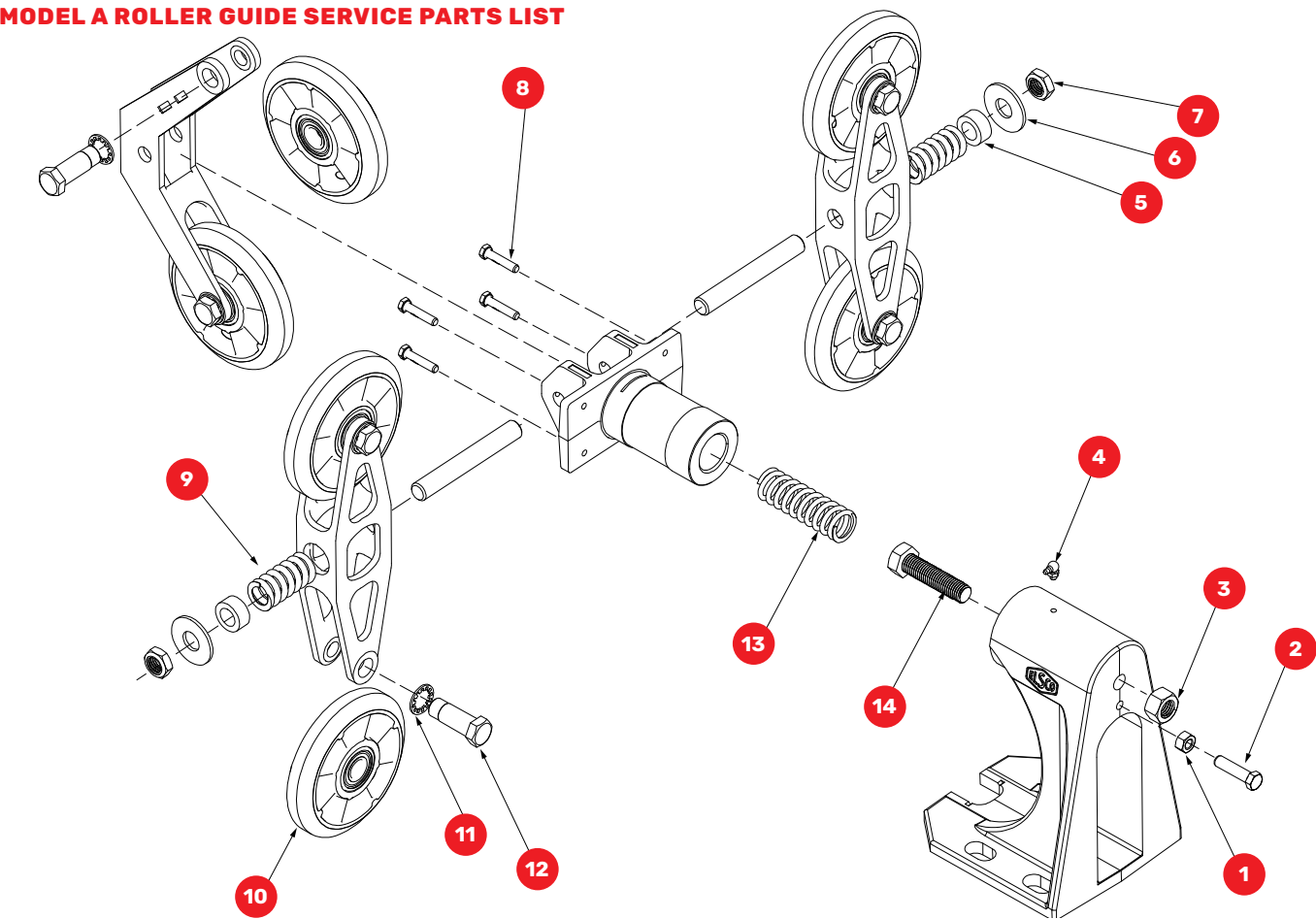
Note: 1 full turn equals 1/16" (1.6 mm) of float.

- Set the post-to-post float by tightening adjustable stop lock nut while holding adjustable stop screw in place

- After all adjustments have been made, ride elevator in both up and down direction at inspection speed to check hoistway clearances
- Check mounting bolts and/or nuts and adjustment locknuts are securely fastened
- Make several more runs at operating speed

→ Recheck float, roller wheel tracking and preload before returning elevator to service

MODEL A ROLLER GUIDE SERVICE PARTS LIST



KEY	REQ.	PART #	DESCRIPTION
1	1	EC18484	Nut
2	1	EC18483	Adjustable Stop Screw
3	1	EA20482	Nut
4	1	EA18362	Grease Fitting
5	2	EA18307	Sleeve
6	2	EA18373	Flat Washer
7	2	EA18376	Locknut
8	4	EA19388	Side Arm Tracking Screw
9	2	EA18379	Side Arm Spring
10	6	See Roller Wheel Configuration Options	
11	6	EA18388	Lock Washer
12	6	EA18375	Wheel Stud
13	1	EA18380	Hub Spring
14	1	EA20481	Hub Adjustment Screw

*OPTIONAL POLYURETHANE ROLLER WHEEL CONFIGURATIONS

- › For use on elevators with high static loads
- › Use when roller wheel preload forces clearly exceed the 25 - 50 lbf (110 - 220 N) specified for neoprene roller wheels
- › Polyurethane roller wheels can be used at forces up to 300 lbf (1,335 N) per wheel. However, keep static load as low as possible to avoid flat spotting

Heavy-Duty Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
EA18387	6	EA18382	6" Green Polyurethane Roller Wheel with 1/2" tread for face and side arm
EA18306	2	EA18348	6" Red Polyurethane Roller Wheel with 1/2" tread for face arm
	4	EA18347	6" Red Polyurethane Roller Wheel with 7/8" tread for side arm

ROLLER WHEEL CONFIGURATIONS

Typical Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
EA18300	6	EA18359	6" Black Neoprene Roller Wheel