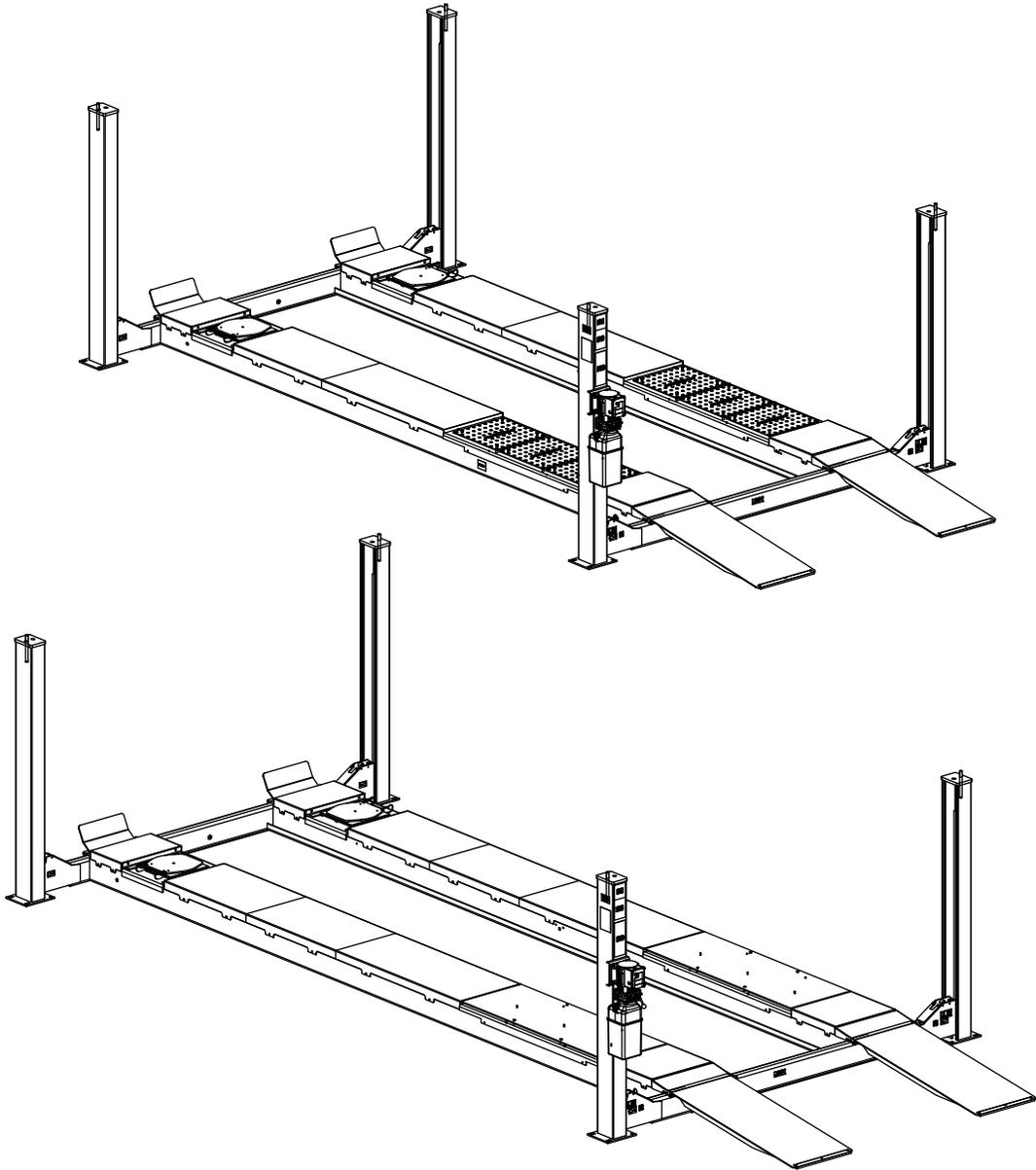


Alignment Kit Manual

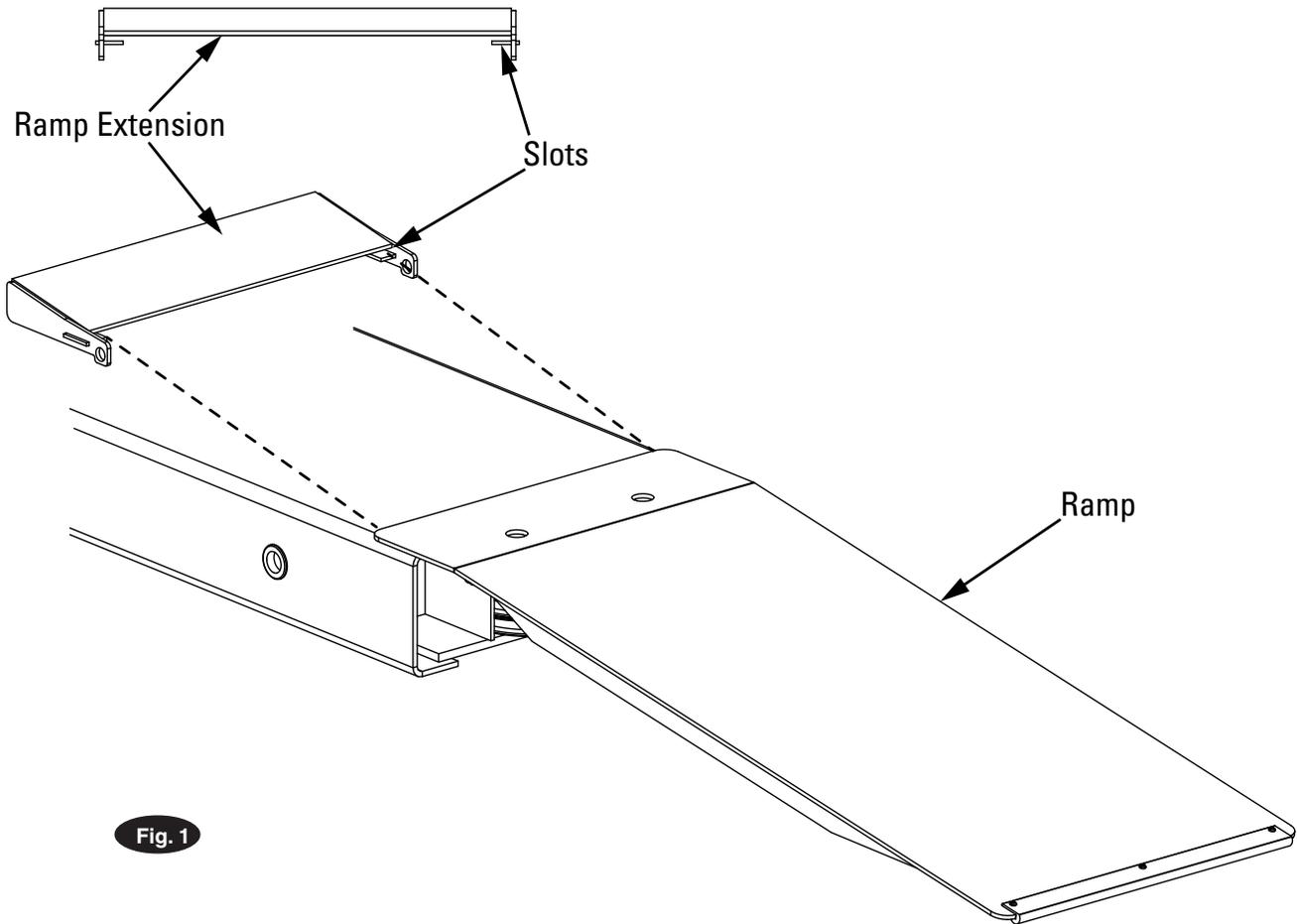
Capacity 18,000 lbs. (9,000 lbs. Per Axle.)



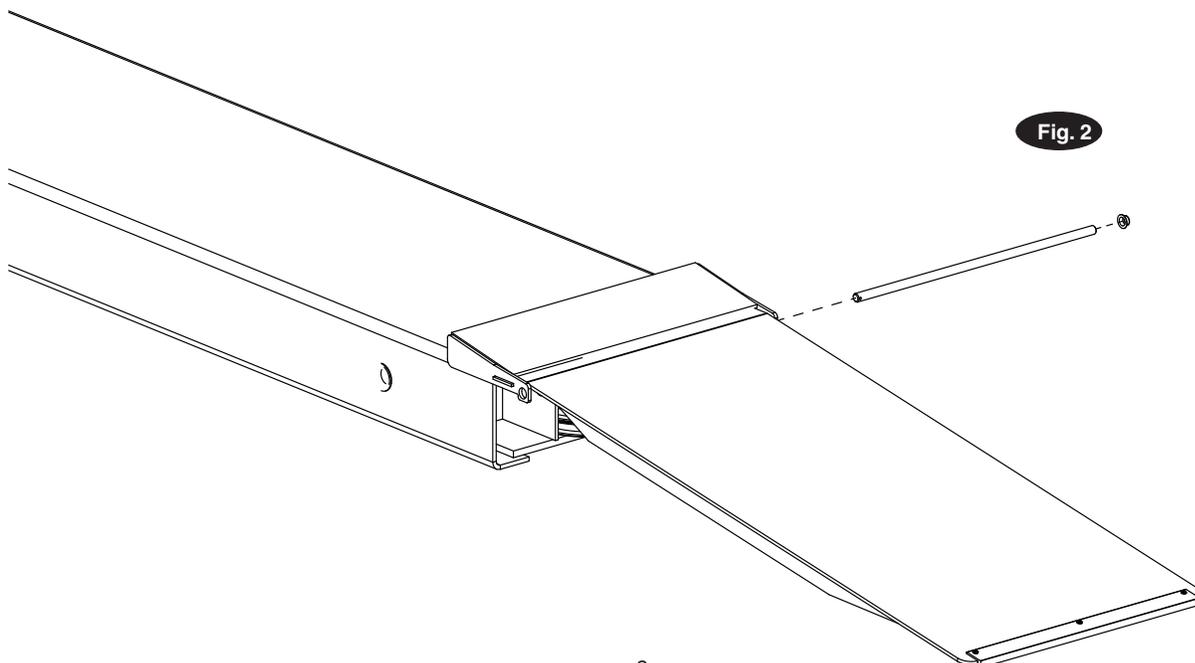
Installation Instructions

1. Extended Ramp

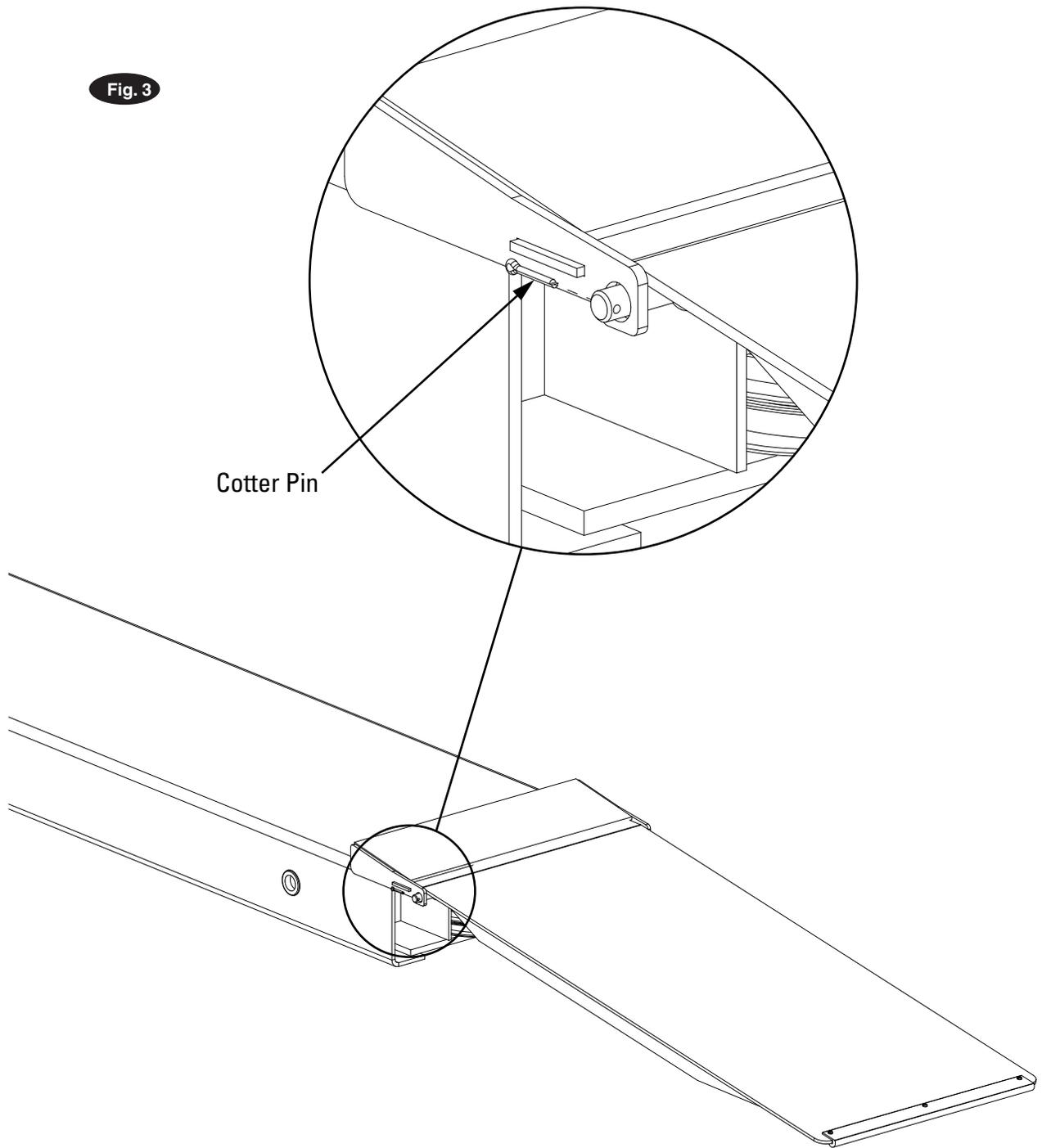
- Slide Ramp through the Ramp Extension openings as shown in Fig. 1.



- Slide Ramp Extension down until the holes line up with holes in ramp and runway. Attach 5/8" Push Nut to Pin and slide it through both the Lift Ramp and Ramp Extension, Fig. 2.

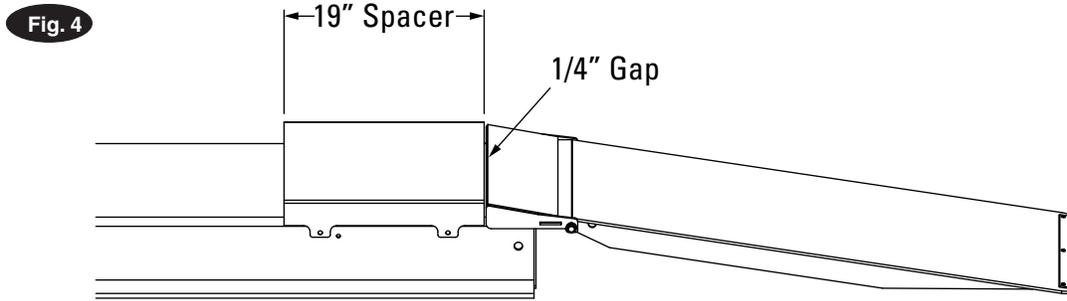


- Add 5/32" x 1" Lg. Cotter Pin to other side of pin assembly as shown, Fig. 3.

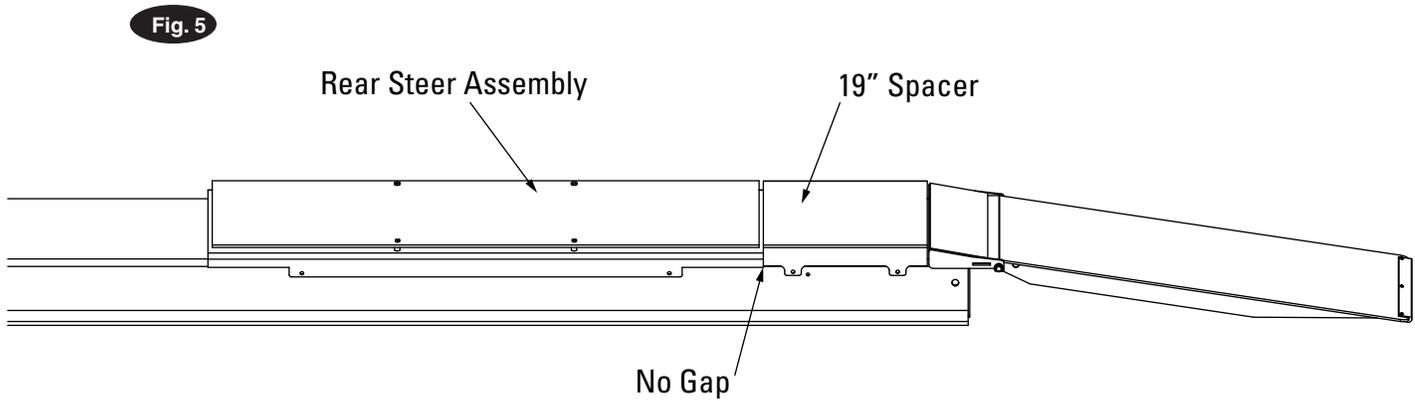


Note: Make sure lift is sitting on the floor or on the locks before removing the wheel stop

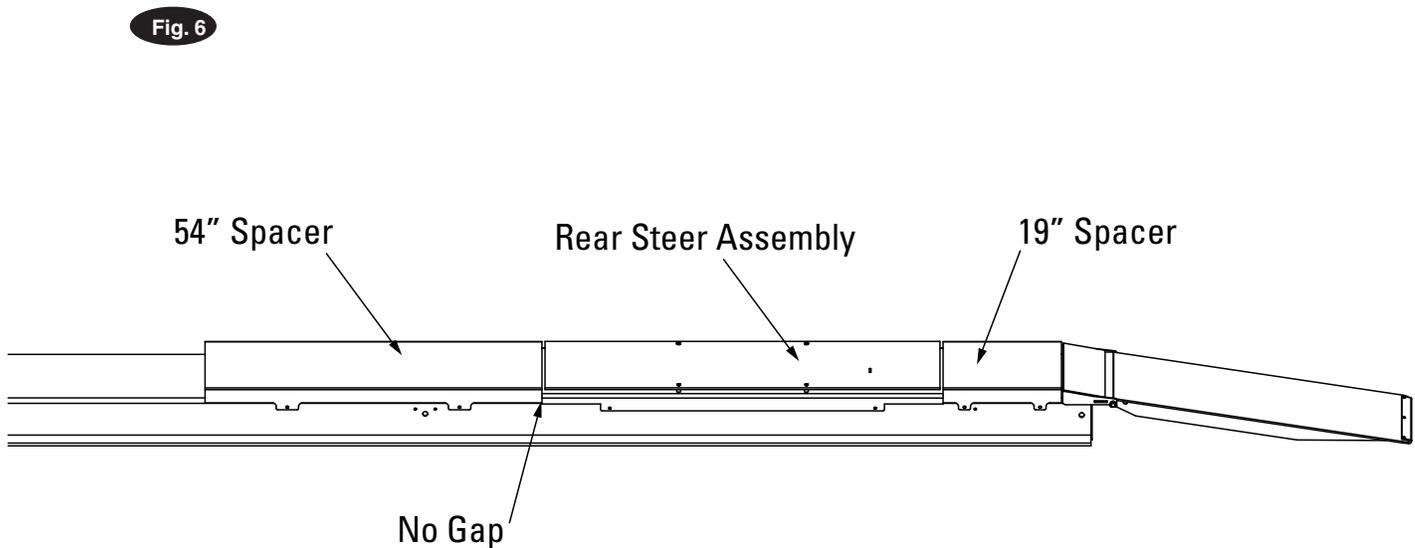
- Place 19" Spacer on runway. Leave a 1/4" gap from the Ramp Extension, Fig. 4.



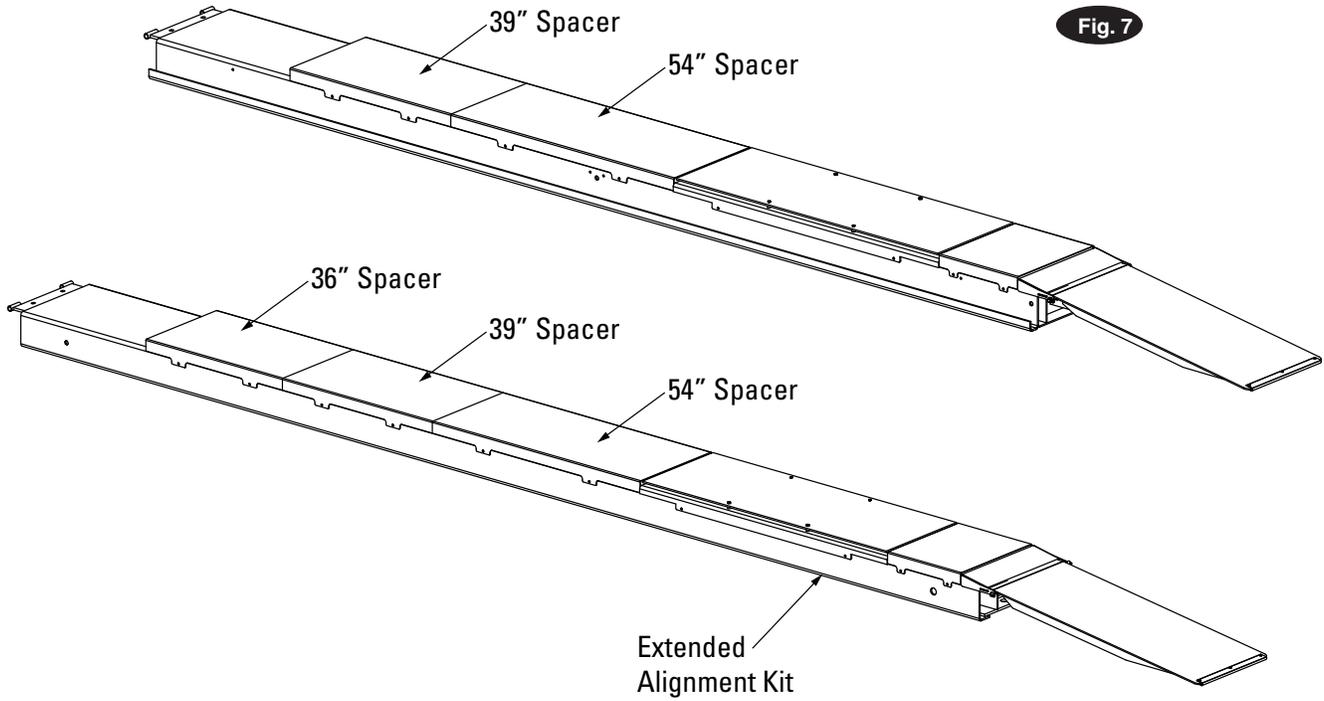
- Place Rear Steer Assembly adjacent to 19" Spacer. Parts should touch each other, Fig. 5.



- Place 54" Spacer adjacent to Rear Steer Assembly. Parts should touch each other, Fig. 6.

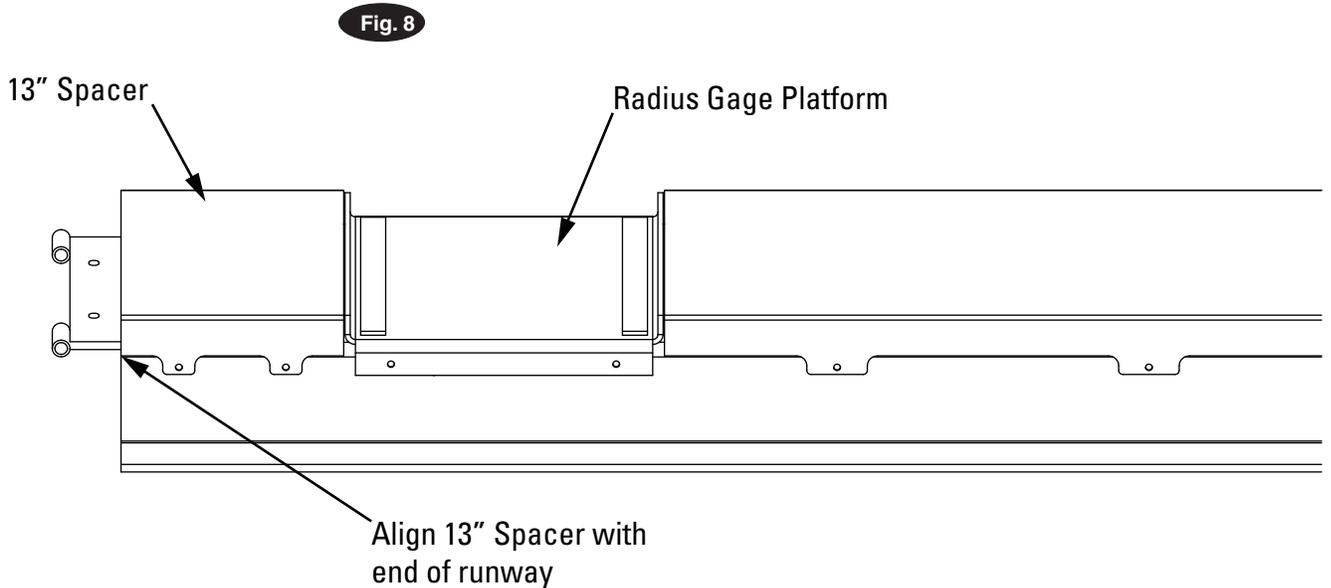


- Place 39" Spacer adjacent to 54" Spacer. Parts should have no gap. The Extended Length Alignment Kit receives one more 36" Spacer which also has a no gap, Fig. 7.



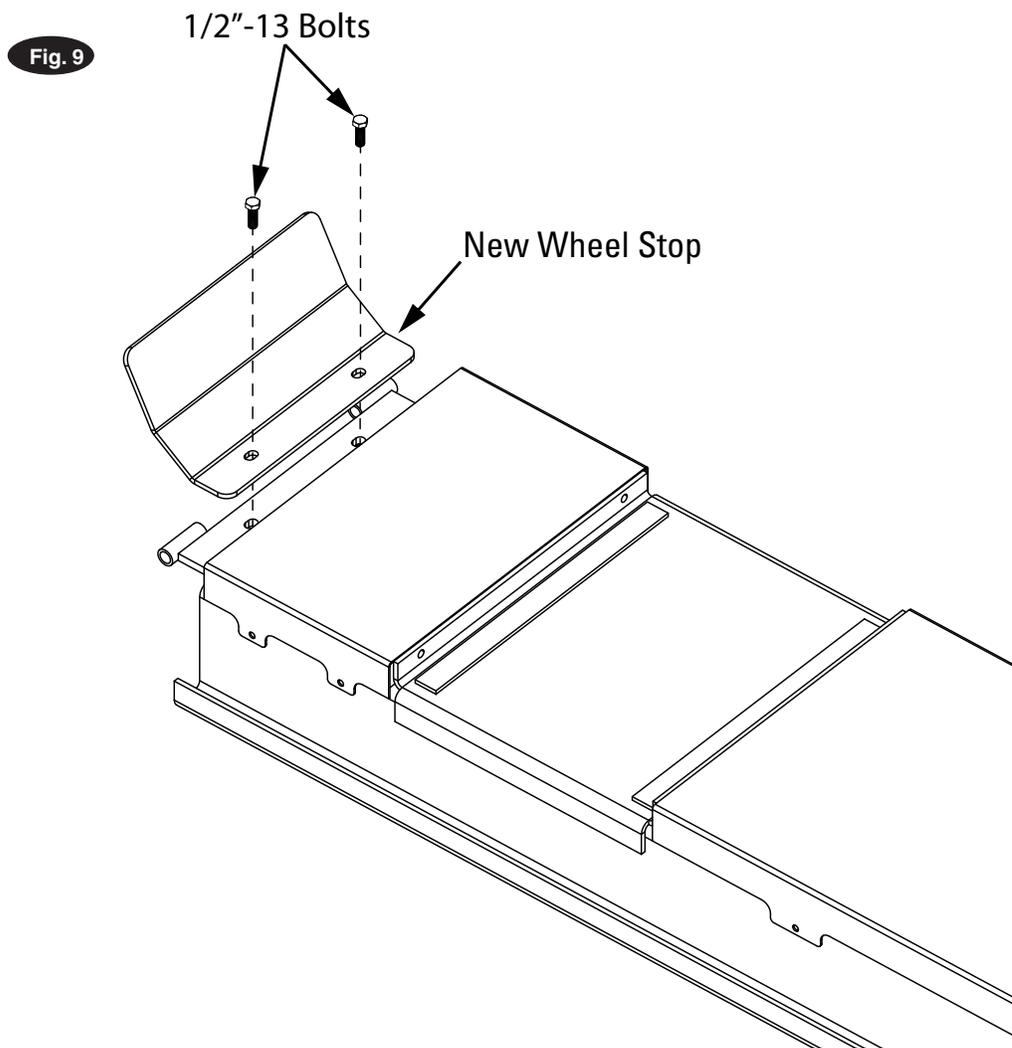
- Place Radius Gage Platform adjacent to the 39" Spacer (36" Spacer for Extended Lift), Fig. 8.
- Place 13" Spacer at end of the runway. Ensure that the Spacer is align with the end of the runway, Fig. 8.

NOTE: The 39" Spacer, 36" Spacer, and Radius Gage Platform can be shuffled around to allow for aligning shorter wheel base vehicles.



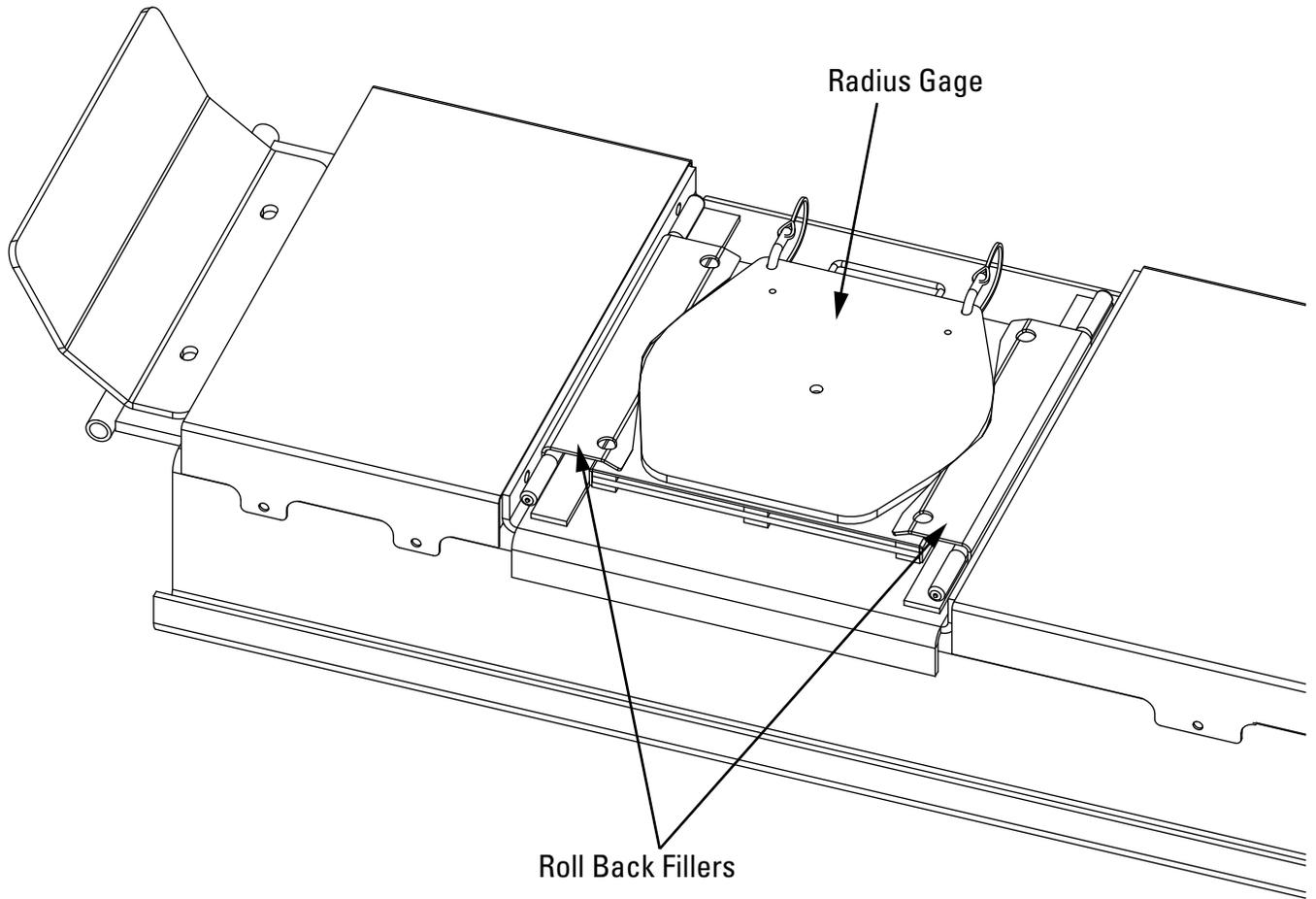
NOTE: Make sure lift is sitting on the floor or on the locks before removing the wheel stop.

- **Replace current Wheel Stop with new Wheel Stop as shown, Fig. 9.**



- Place Radius Gauge and Roll Back Fillers on Radius Gauge Platform as shown, Fig. 10.

Fig. 10

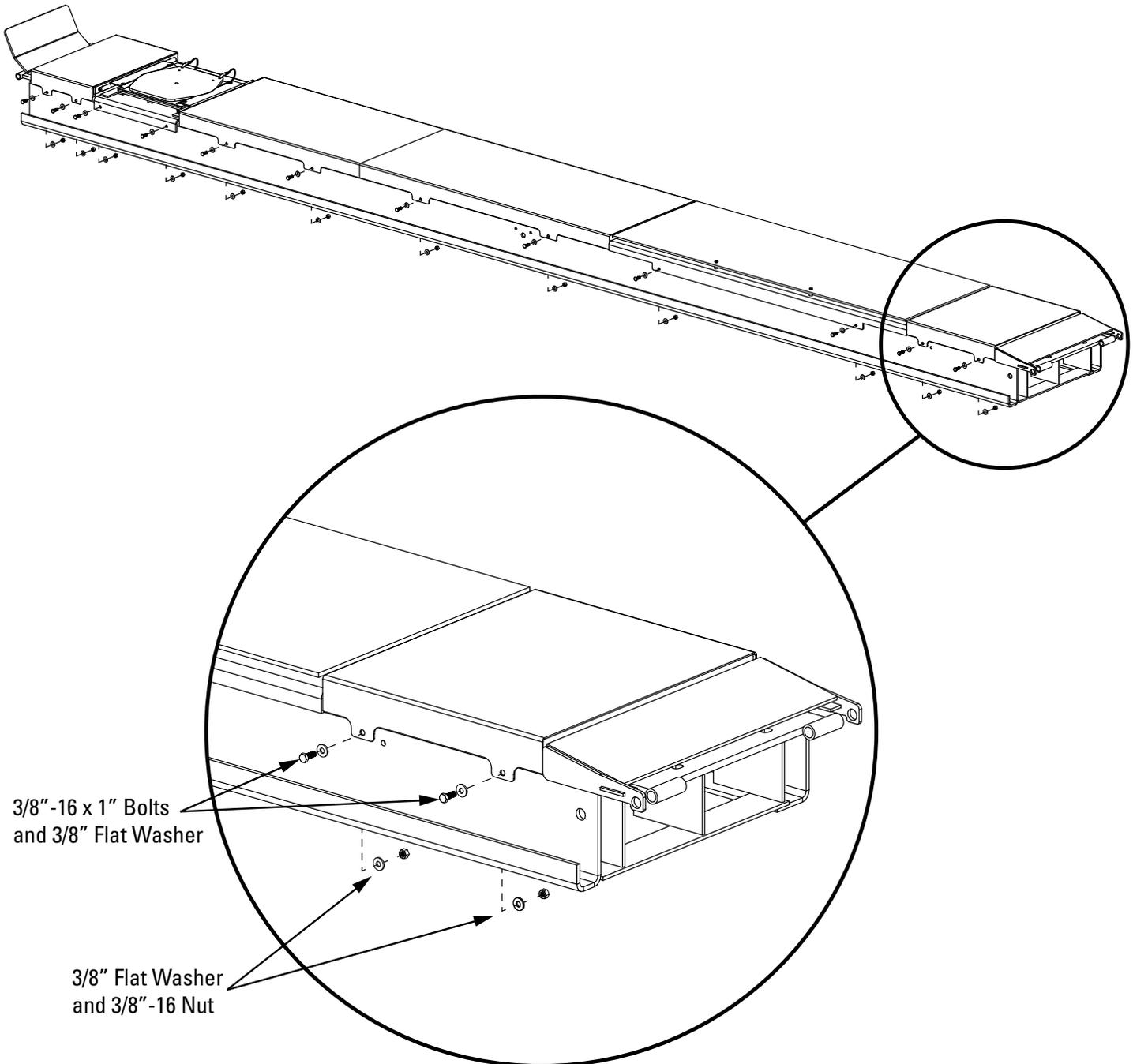


NOTE: Before drilling holes or tightening bolts, make sure that spacers are flat against runway. If required, clamp spacers to runway to flatten them out before bolting them down.

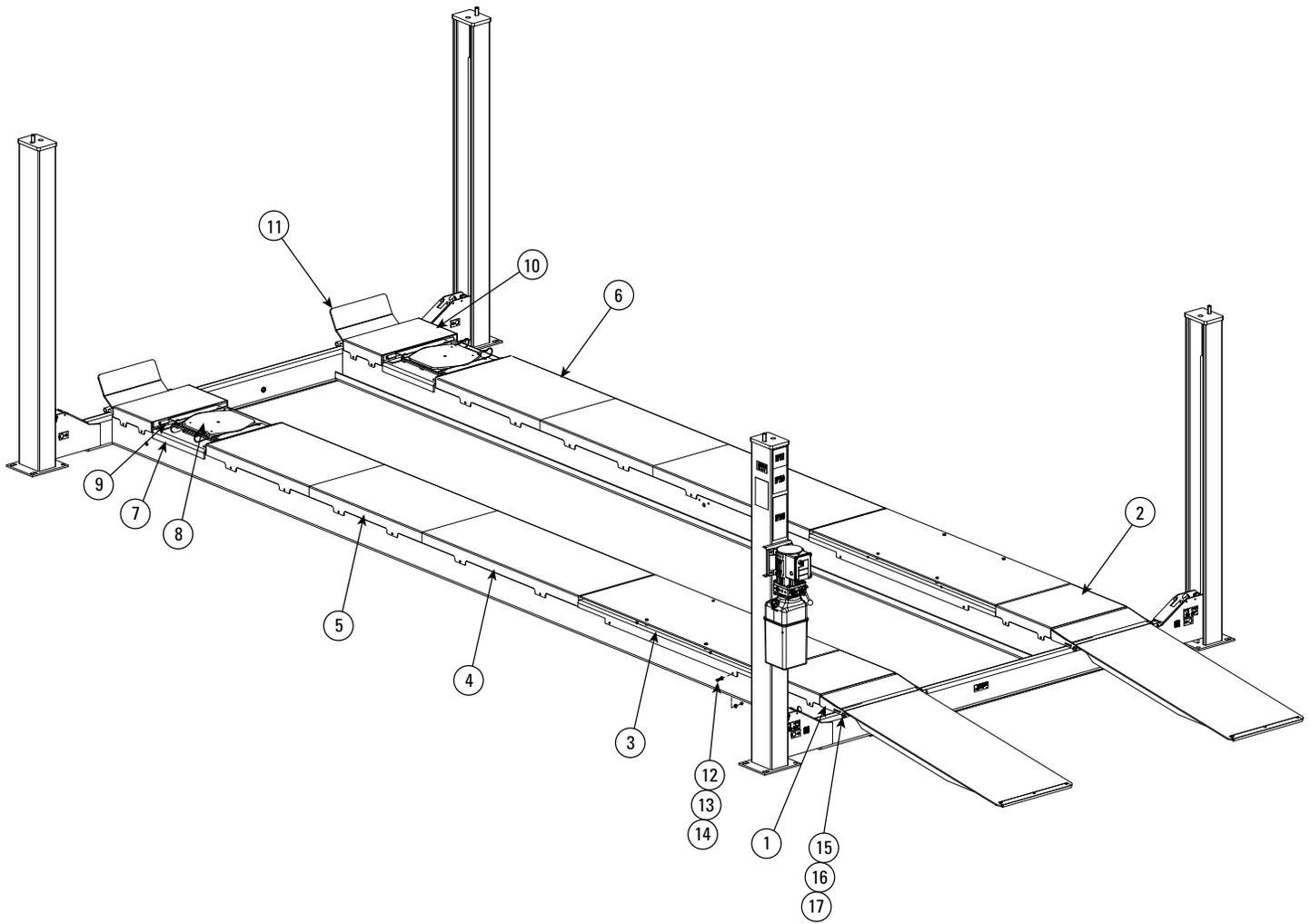
- Drill 13/32" Holes in 24 locations per runway (28 for Extended Kit) in locations shown (one side shown only), Fig. 11. (Early versions only. Later versions have slots in runways from factory).
- Attach with 3/8"-16 bolts, nuts, and washers provided, Fig. 11.

NOTE: if this is a retrofit to an existing lift, the airline mounting holes may need to be moved down to clear the alignment parts.

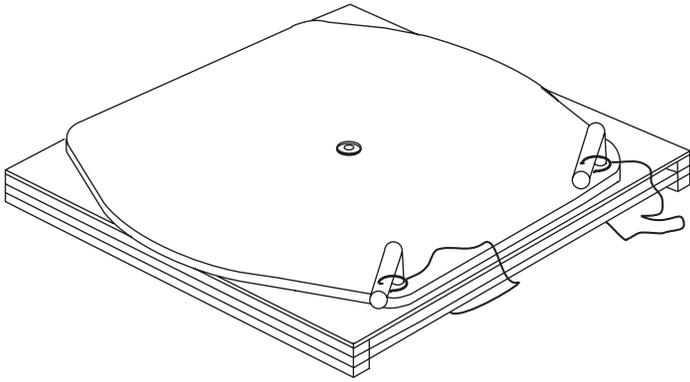
Fig. 11



Parts Breakdown



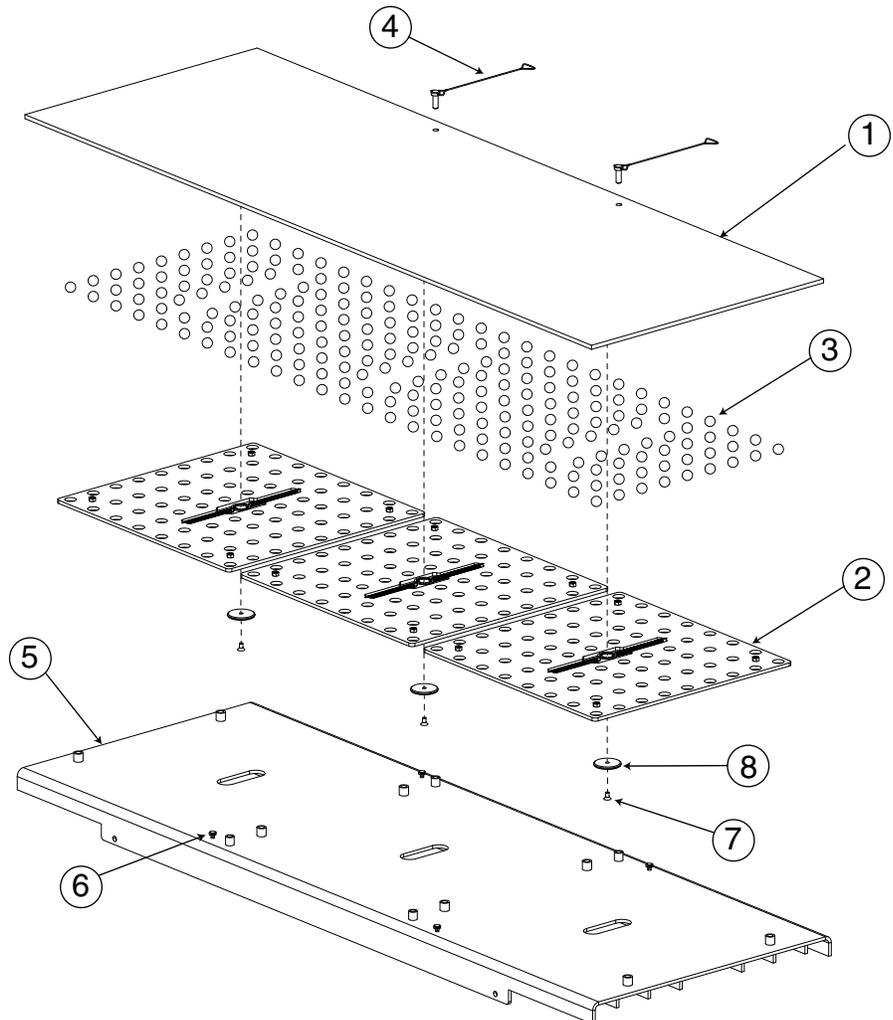
| ALIGNMENT KIT | | | |
|---------------|-----------------------------------|----------|-------------|
| ITEM | DESCRIPTION | STANDARD | EXT. LENGTH |
| 1 | RAMP EXTENSION WELDMENT | S110399 | S110399 |
| 2 | RAMP SUPPORT SPACER | S110389 | S110389 |
| 3 | REAR SLIP PLATE ASSEMBLY | S110384 | S110384 |
| 4 | LARGE SPACER WELDMENT | S110387 | S110387 |
| 5 | SHORT SPACER WELDMENT | S110400 | S110400 |
| 6 | EXTRA SPACER WELDMENT | | S110401 |
| 7 | RADIUS GAGE PLATFORM | S110388 | S110388 |
| 8 | FRONT RADIUS GAGE | S130237 | S130237 |
| 9 | ROLL BACK FILLER | FC7117 | FC7117 |
| 10 | FRONT SPACER WELDMENT | S110390 | S110390 |
| 11 | WHEEL STOP | S121123 | S121123 |
| 12 | 3/8"-16NC x 1"-LG HHCS, GRD5 PLTD | 40139 | 40139 |
| 13 | 3/8" SAE FLAT WASHER | 40805 | 40805 |
| 14 | 3/8"-16NC HEX NUT | 40660 | 40660 |
| 15 | 5/32" x 1" LG COTTER PIN | 41202 | 41202 |
| 16 | 5/8" PUSH NUT | FC5179-4 | FC5179-4 |
| 17 | PIN | S121120 | S121120 |



| Radius Gauge Rebuild Kits | |
|---------------------------|----------|
| Stainless Steel: | FA5153-2 |
| | |

| Kits include: | |
|----------------------------|----|
| Delrin Balls | 54 |
| Zinc Internal Lock Washers | 2 |
| Carbon Springs | 8 |
| Bearing Retainers | 2 |
| Top Taper Screws | 2 |
| Bottom Set Screws | 2 |

| 3 WS SLIP PLATE PARTS | | |
|-----------------------|---------------------------------------|----------|
| ITEM NO. | DESCRIPTION | PART NO. |
| 1 | Slip Plate Weldment | S110386 |
| 2 | Ball Retainer Assembly | S121099 |
| 3 | Ball | FC5190-7 |
| 4 | Lock Pin Assembly | Z110028 |
| 5 | Rear Slip Base Plate Weldment | S110385 |
| 6 | 1/4"-20 x 3/4" Bolt | 40055 |
| 7 | 1/4"-20 x 1/2" Flat Head SHCS, Plated | 40065 |
| 8 | Retainer Bushing | S121100 |



NOTES

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