



MAINTENANCE & TECHNOLOGY COUNCIL

**TECHNICIAN CHAMPIONSHIP  
AWARDS & FIFTH WHEEL TRAINING**  
AUGUST 25



MAINTENANCE & TECHNOLOGY COUNCIL

# TECHNICIAN TRAINING – FIFTH WHEEL

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JOST International*

**Robert D Wurch**

*Service Representative  
SAF-Holland, Inc.*

# JOST 5<sup>TH</sup> WHEEL MODELS

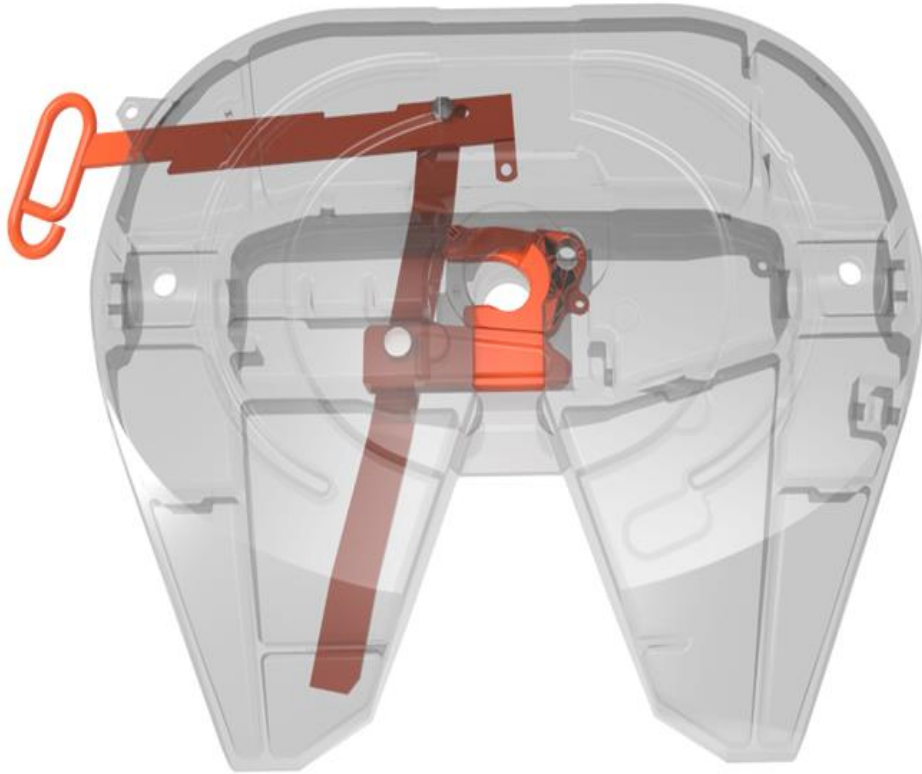


**JSK36** (Fabricated)

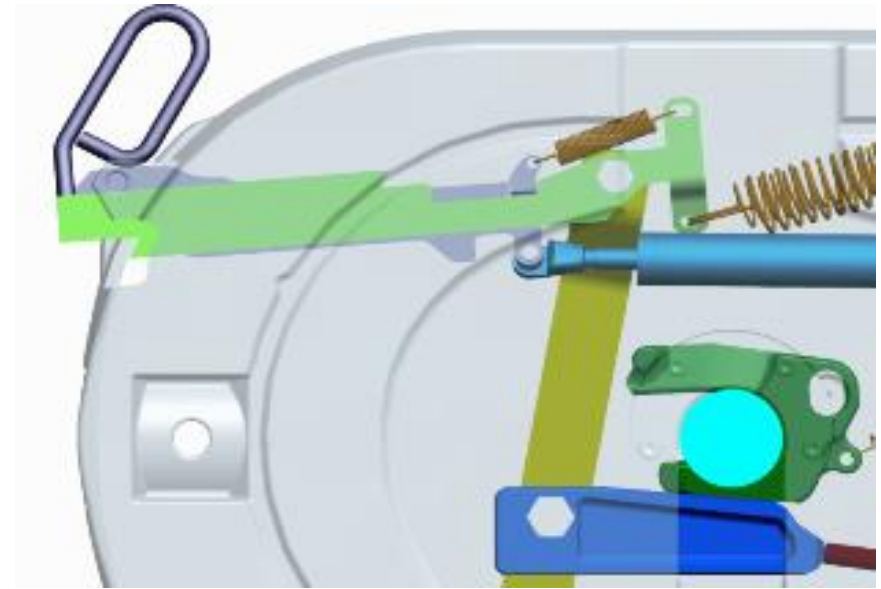


**JSK37** (Cast)

# JOST RELEASE HANDLE DESIGNS



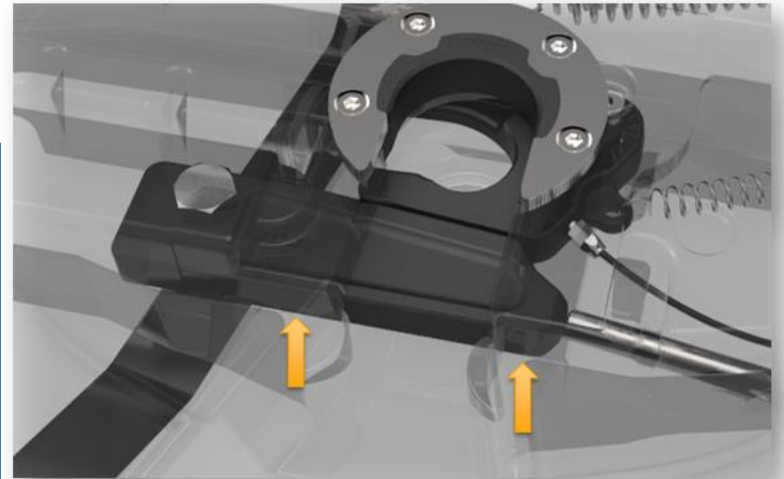
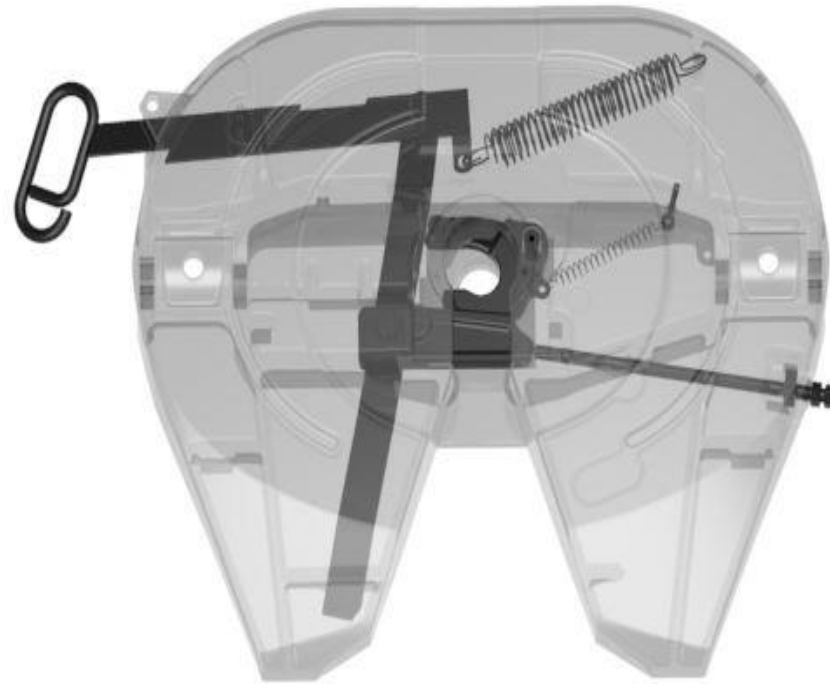
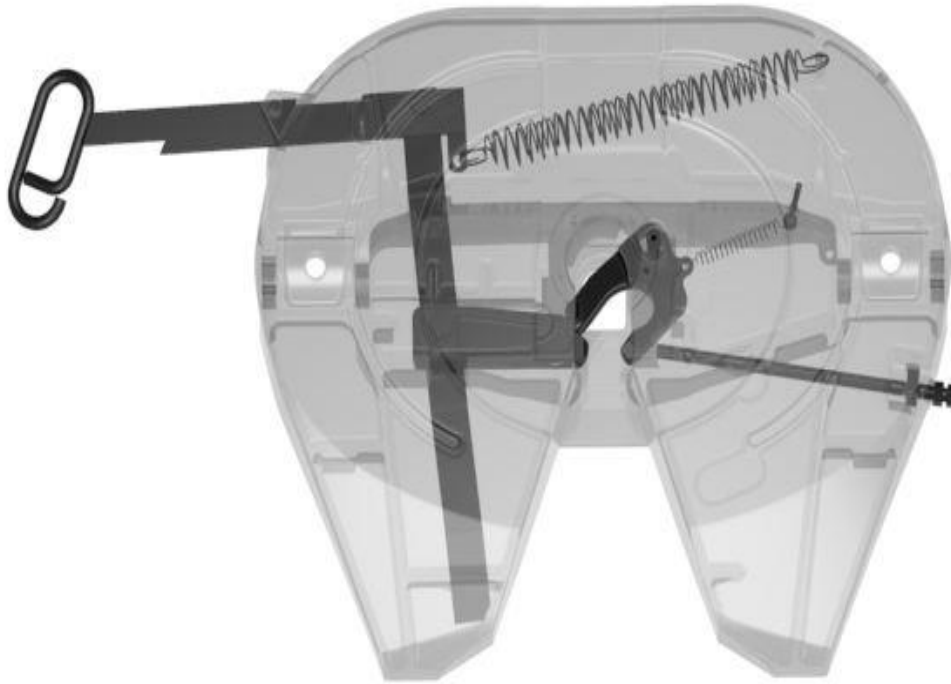
*Standard Handle*



*Retractable and Air Release Handle*



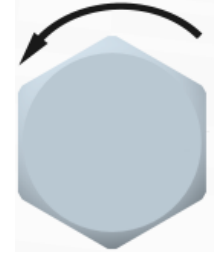
# OPERATION OF THE JOST 5<sup>TH</sup> WHEEL



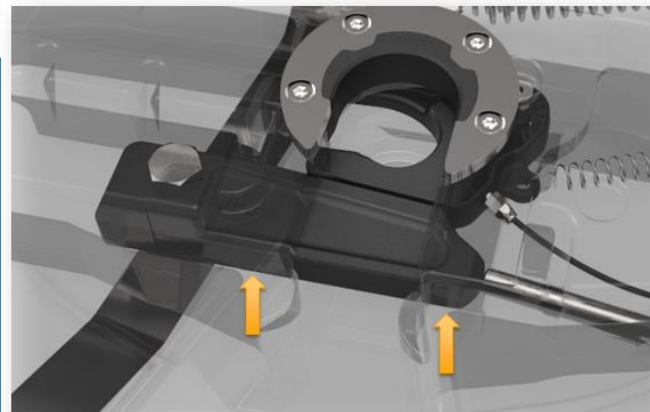
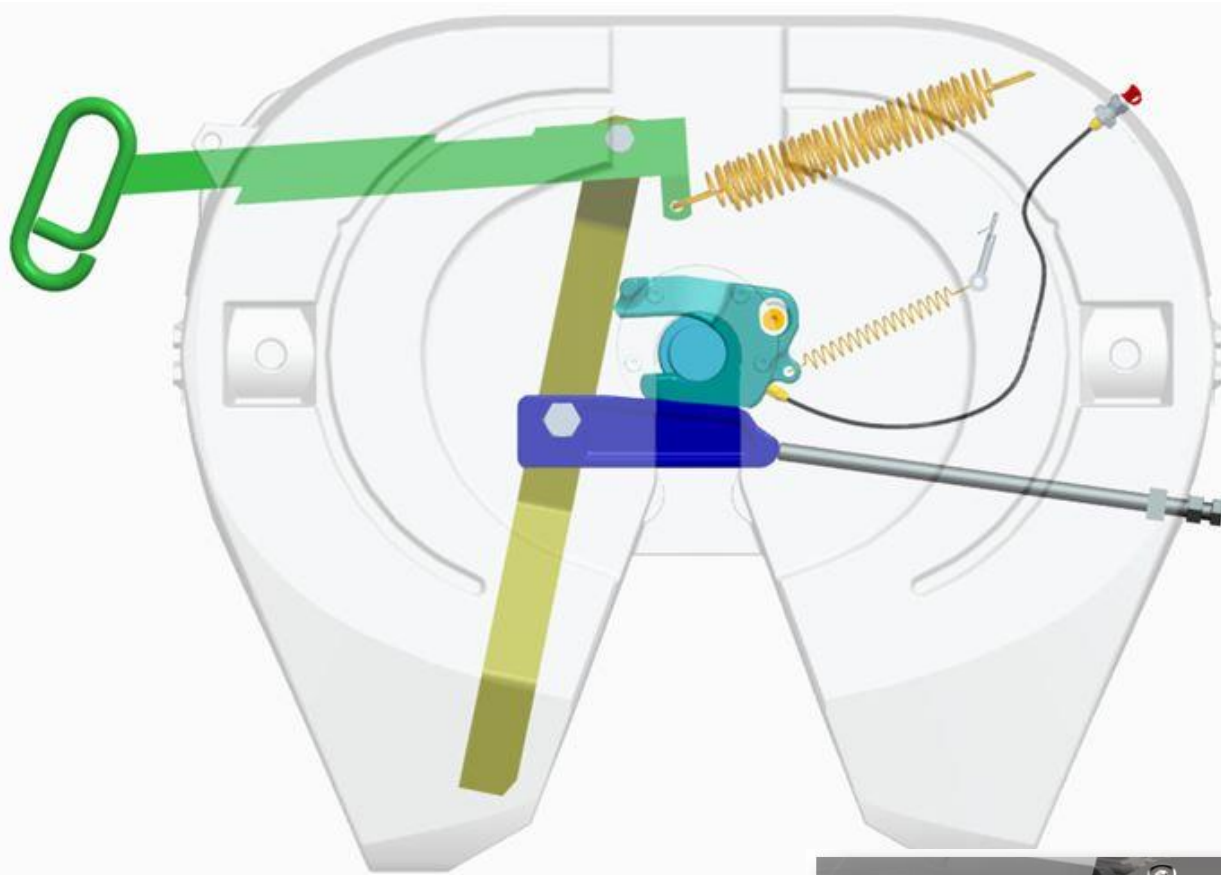
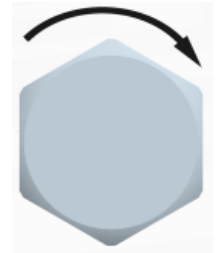
# 5<sup>TH</sup> WHEEL ADJUSTMENT

## 5<sup>TH</sup> WHEEL ADJUSTMENT

- SCREW ADJUSTING BOLT COUNTERCLOCKWISE TO TIGHTEN



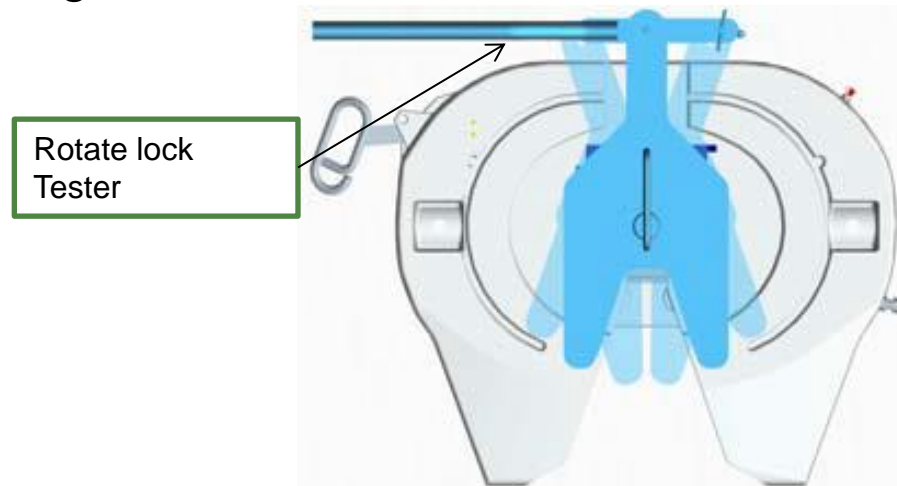
- SCREW ADJUSTING BOLT CLOCKWISE TO LOOSEN



# 5<sup>TH</sup> WHEEL ADJUSTMENT

## Adjustment

- **NOTE:** Use Lock Tester for this operation
- The lock is properly adjusted if the fifth wheel locks and unlocks easily and lock tester rotates freely
- The lock is too tight if the lock tester does not rotate freely

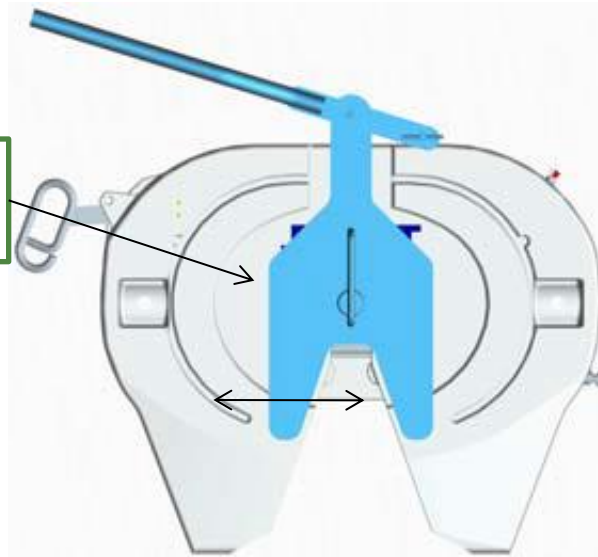


# 5<sup>TH</sup> WHEEL ADJUSTMENT

**The lock is too loose if you have fore/aft play**

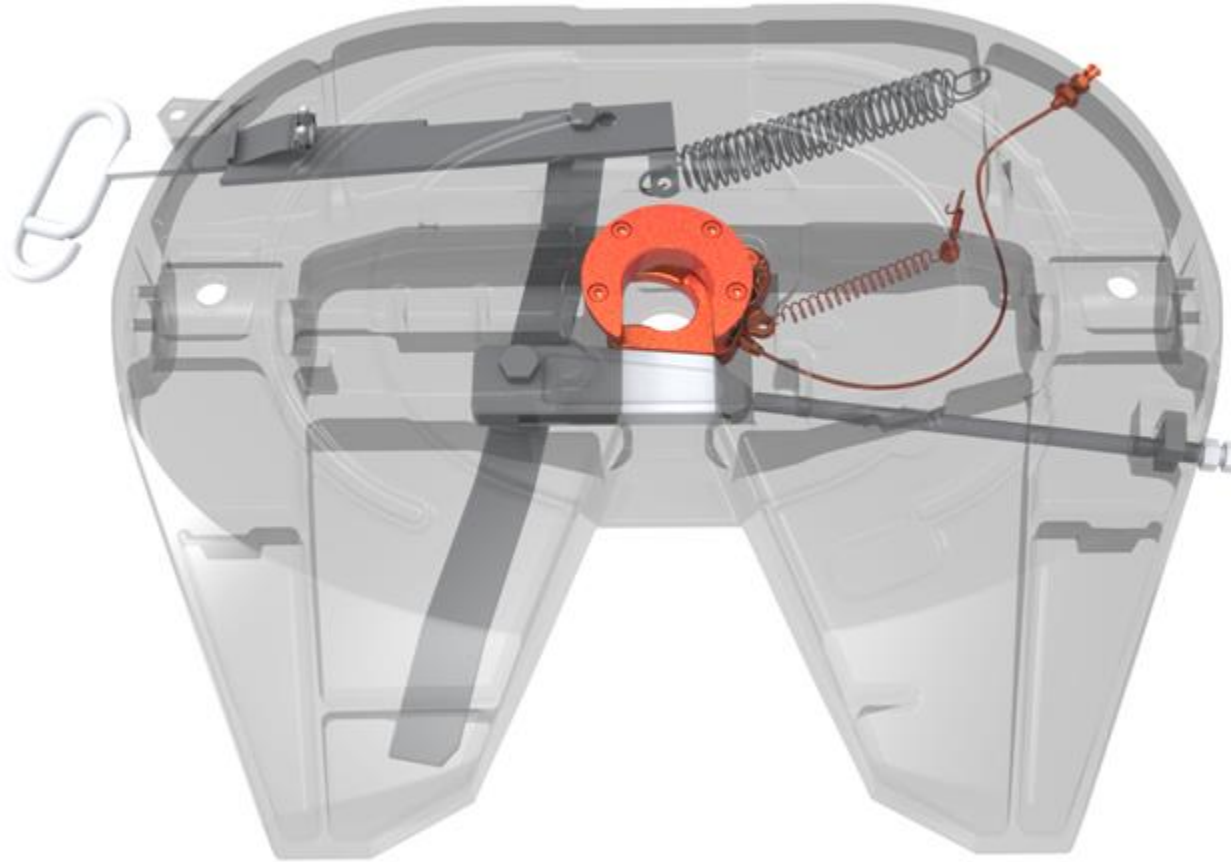
- **NOTE:** Make an adjustment only if there is fore/aft play

Look for movement of kingpin in lock





# JOST MINOR REBUILD



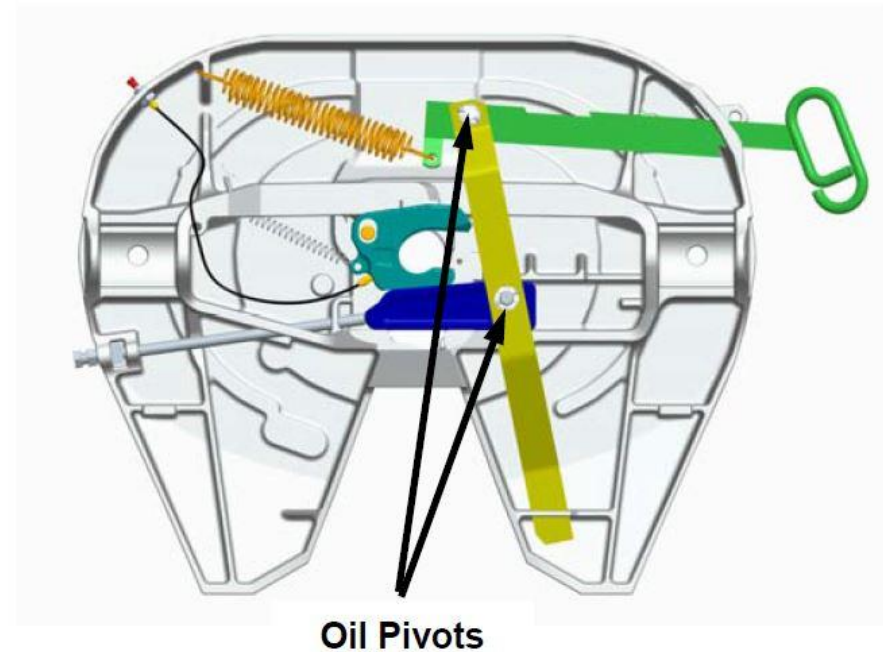
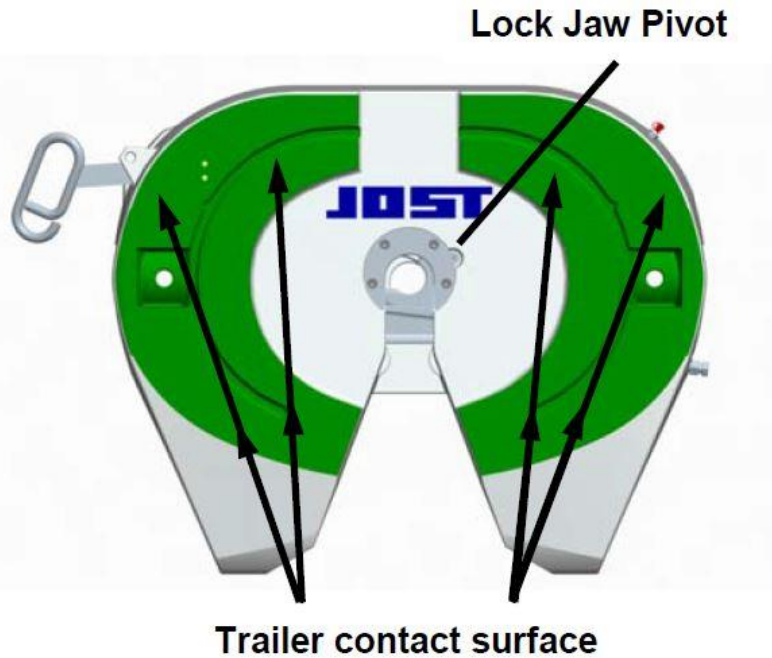
Minor rebuild kit highlighted,  
replaces all wear parts

For all JSK37 series wheels, this kit  
is a part number SK73221-50Z



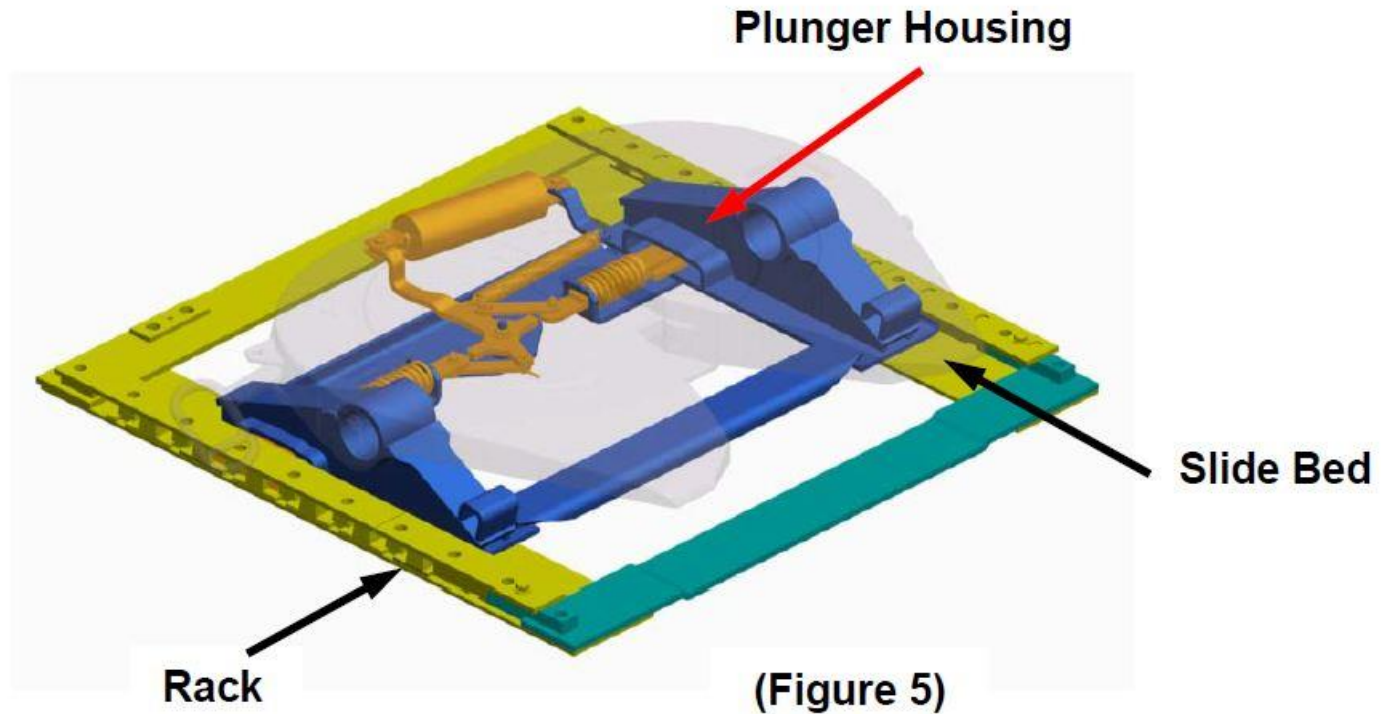
# LUBRICATION OF THE JOST 5<sup>TH</sup> WHEEL

1. Apply lithium-based grease with 1-2% moly EP (extreme pressure) additive to the trailer contact surfaces of the fifth wheel.
  - a. Make sure all surfaces including grease grooves are covered.  
(See Figure 3)
  - b. Lubricate the cushion ring and kingpin lock
2. Apply a light oil to the Release Arm and Release Handle pivots (See Figure 4)



# LUBRICATION OF THE JOST 5<sup>TH</sup> WHEEL

For sliding fifth wheels spray light oil on slide bed and into plunger housing.

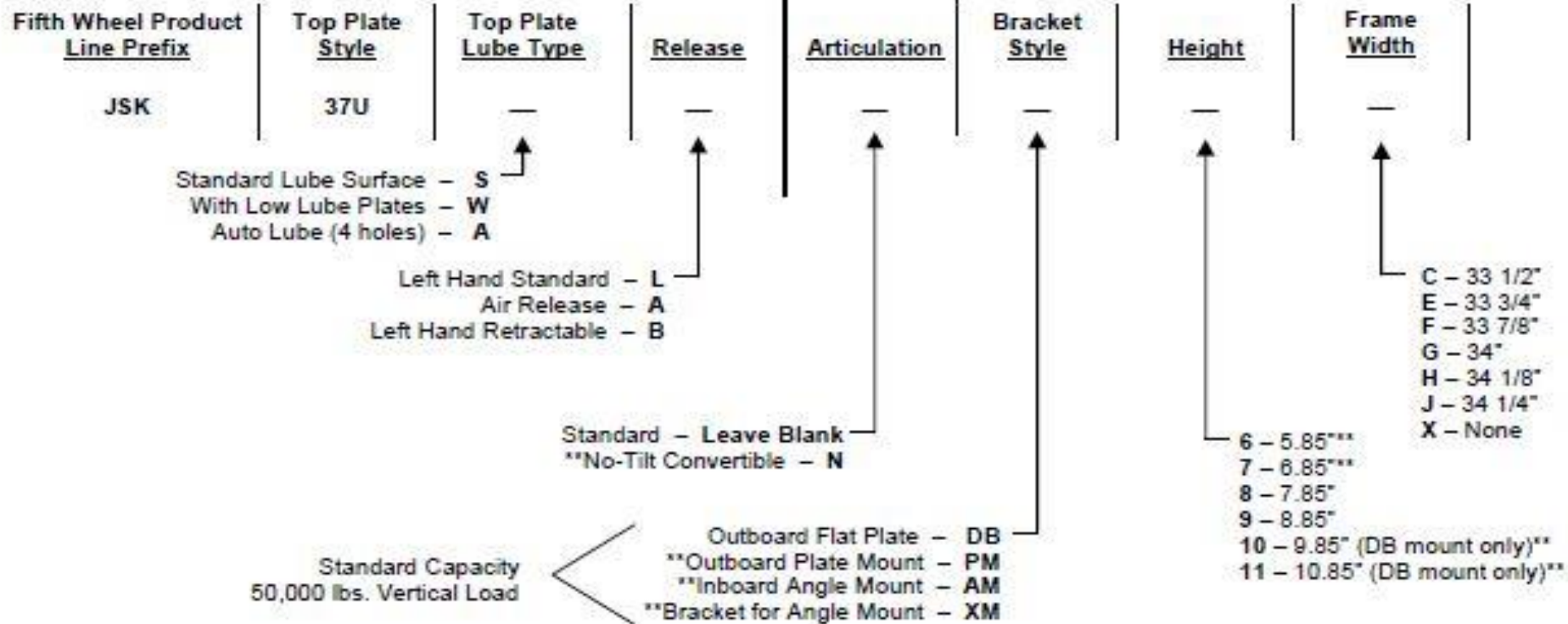




# STATIONARY FIFTH WHEEL PART NUMBER MASTER

## TOP PLATE

## BRACKET



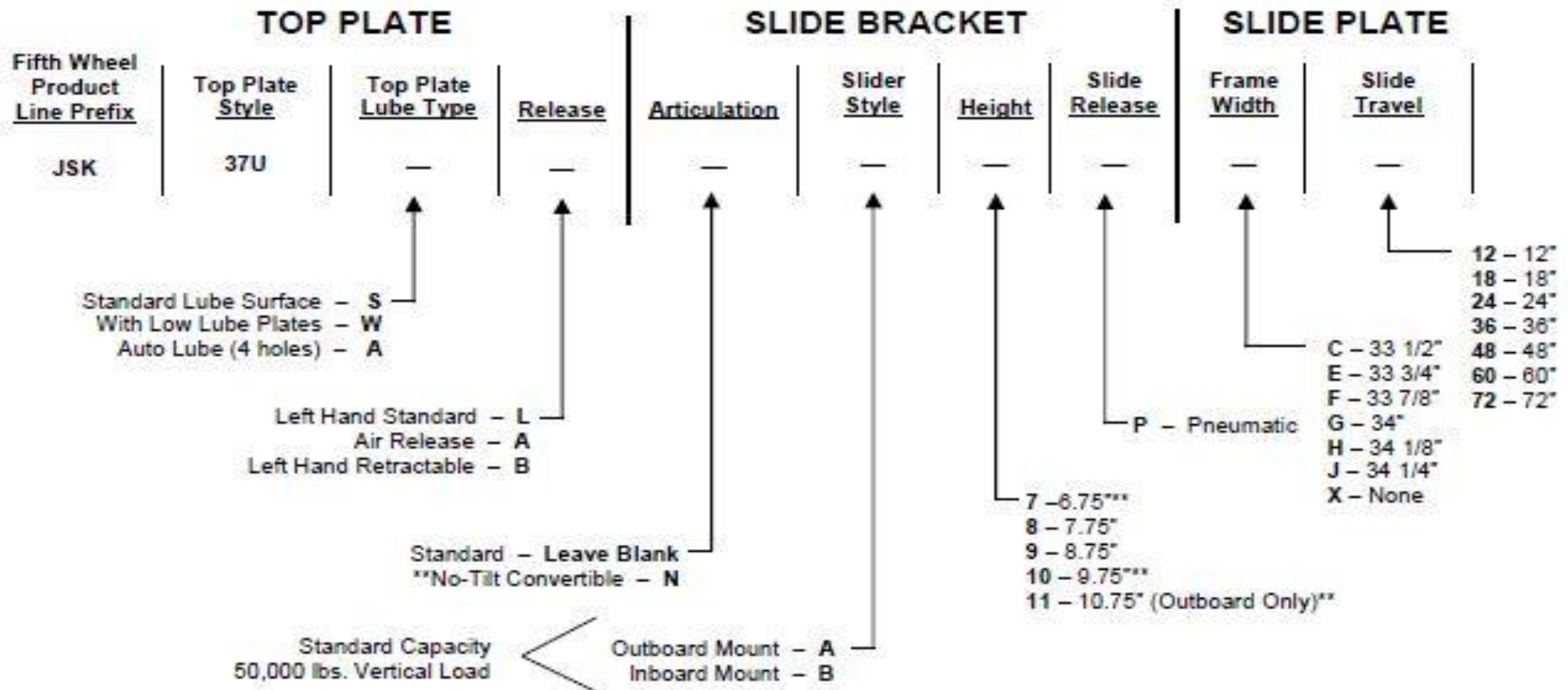
\*\* No-Tilt Convertible option is only available with 8" & 9" DB mount.

**Example: JSK 37USL-DB7X**





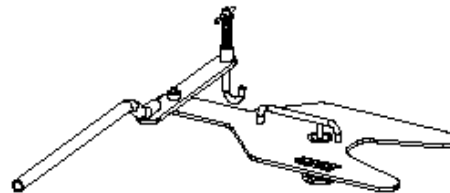
# SLIDING FIFTH WHEEL PART NUMBER MASTER



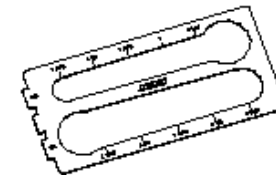
\*\* No-Tilt Convertible option is only available with 8" or 9" Outboard Mount, or 9" Inboard Mount.

**Example: JSK 37USL-A7PX24**

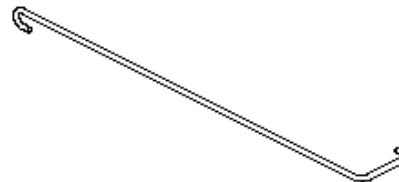
## SERVICE TOOLS



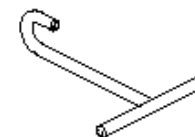
FIFTH WHEEL LOCK TESTER	
<b>JOST</b>	Weight
Order Number	Weight
SK 76000-00	30 lbs.



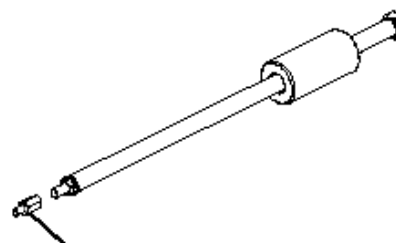
KINGPIN GAGE	
<b>JOST</b>	Weight
Order Number	Weight
SK 76001-01	4 1/2 lbs.



FIFTH WHEEL RELEASE HOOK	
<b>JOST</b>	Weight
Order Number	Weight
SK 75021-00	1 1/4 lbs.



DOUBLE COIL SPRING TOOL	
<b>JOST</b>	Weight
Order Number	Weight
SK 76003-00	1/4 lb.



1/2-13 tip adapter  
Order #SK 76005-08

BRACKET PIN SLIDE HAMMER	
<b>JOST</b>	Weight
Order Number	Weight
SK 76005-01	19 lbs.

Includes  
Standard 5/8-11 tip & 1/2-13 tip adapter