



INSTALLATION INSTRUCTIONS

E-Series ***Load Stabilizer***

Manual Number 202134

cascade[®]

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T RUCK REQUIREMENTS

Truck Relief Setting

2000 psi (140) bar – Recommended
2300 psi (160) bar – Maximum

Truck Flow Volume

5 GPM (19 L/min.) – Minimum
8 GPM (30 L/min.) – Recommended
10 GPM (37 L/min.) – Maximum



Mounting	Dimension A–ITA (ISO)	
	Minimum	Maximum
Class II	14.94 in. (380.0mm)	15.00 in. (381.0mm)
Class III	18.68 in. (474.5mm)	18.74 in. (476.0mm)



Clean carriage bars
Inspect for damaged notches

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H YDRAULIC SUPPLY

The attachment will require one of the following hydraulic supply arrangements. All hoses and fittings should be at least No. 6 with 9/32 in. (7 mm) minimum I.D. Refer to Hose and Cable Reel Selection Guide Form 4099 to select the correct hose reels for the mast and truck.

RECOMMENDED HYDRAULIC SUPPLY OPTIONS

Load Stabilizer

Non-Sideshifting

A RH THINLINE™ 2-Port Hose Reel Supply Group

or

B Mast Internal Reaving

Sideshifting (Non-Solenoid Activated Load Stabilizer)

A and B RH THINLINE™ 2-Port Hose Reel Group and Mast Internal Reaving

or

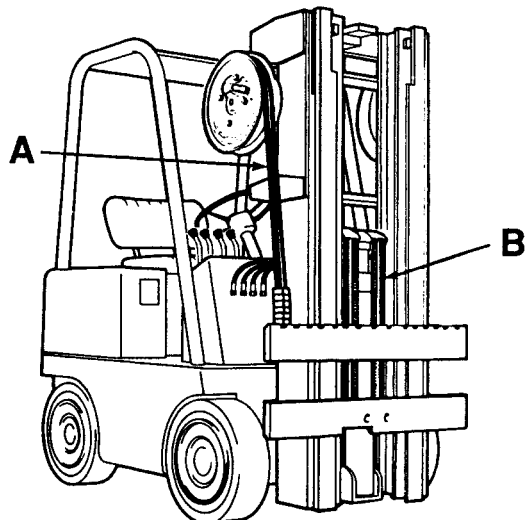
A RH THINLINE™ 4-Port Hose Reel Supply Group

Sideshifting (Solenoid Activated Load Stabilizer)

A RH 6-N-1 Cable/Hose Reel Supply Group

or

A and B RH Cable Reel Supply Group and Mast Internal Reaving

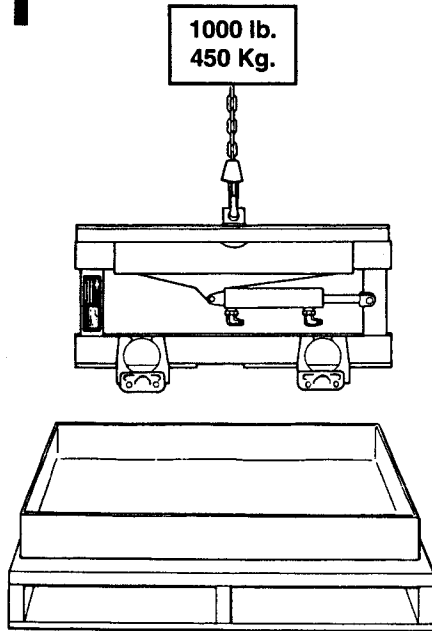


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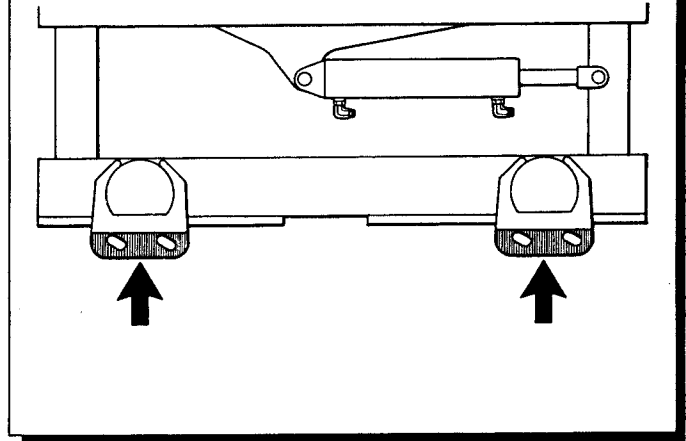
INSTALLATION

Sideshifter (if equipped)

1 Remove from box



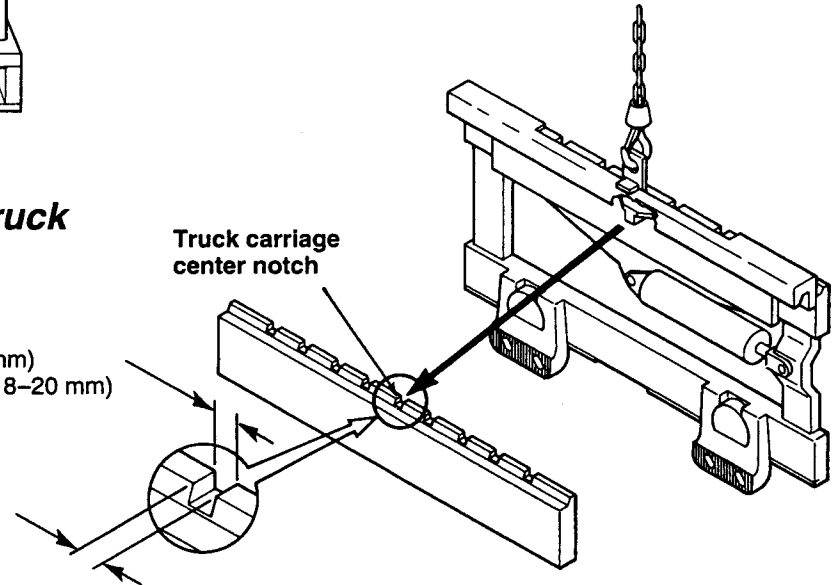
2 Remove lower hooks



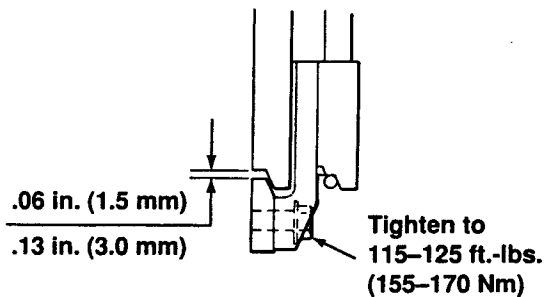
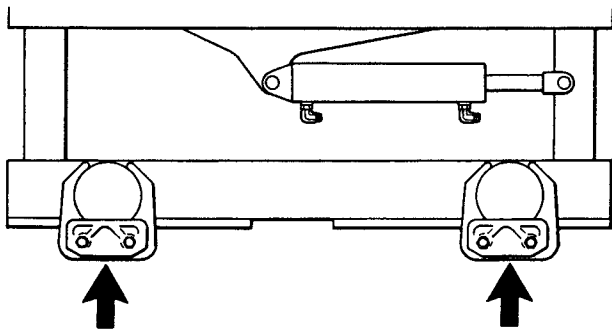
3 Mount on lift truck

55D - .60–.66 in. (15–17 mm)
60D, 100D - .72–.78 in. (18–20 mm)

55D - .32–.36 in. (7–9 mm)
60D, 100D - .40–.44 in. (9–11 mm)



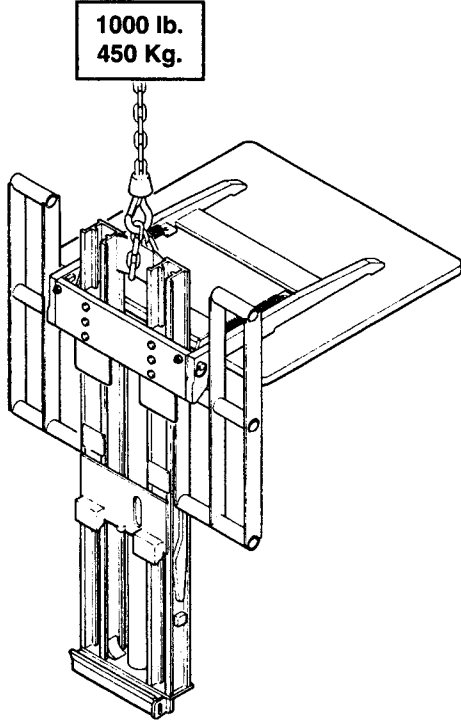
4 Install lower hooks



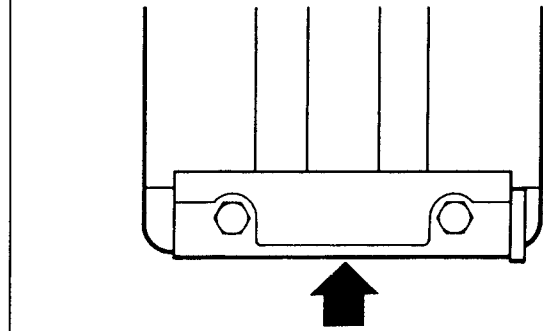
INSTALLATION

Load Stabilizer

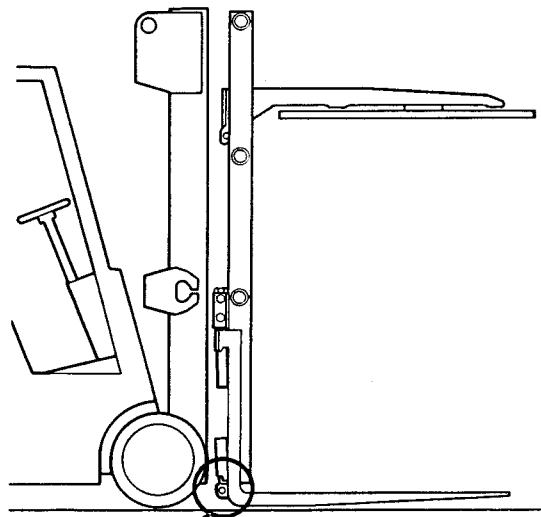
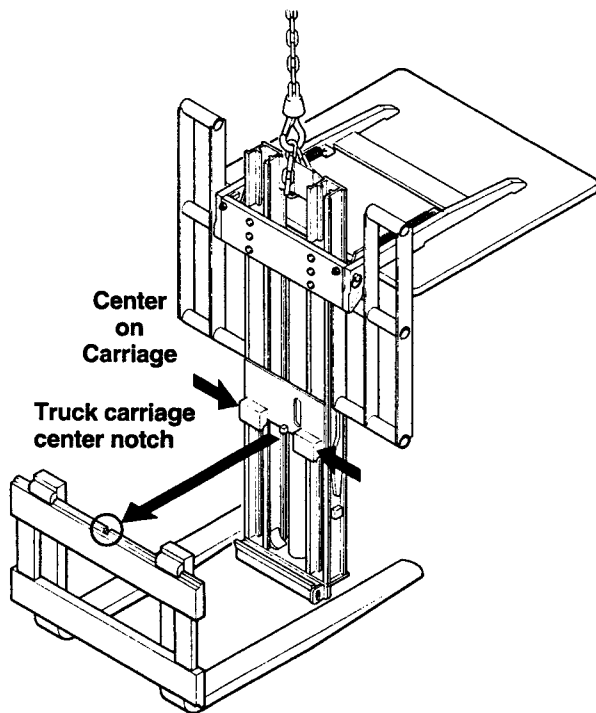
1 Attach overhead hoist



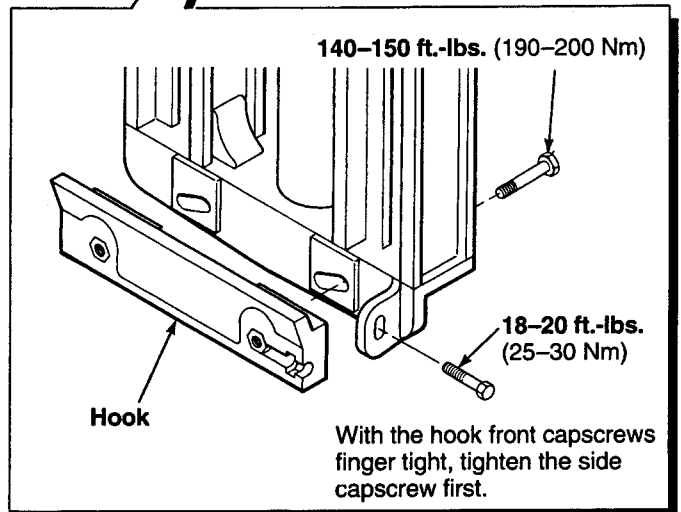
2 Remove lower hook



3 Mount on lift truck



4 Install lower hooks

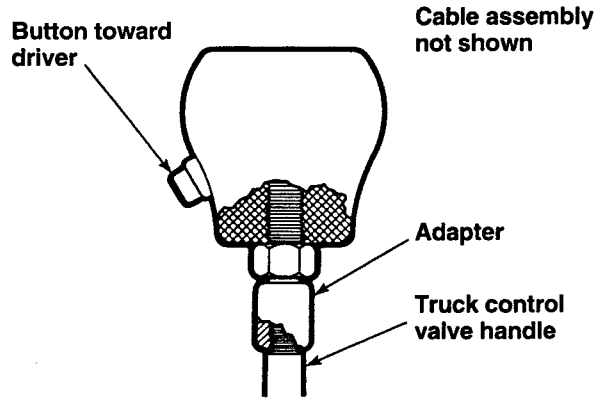
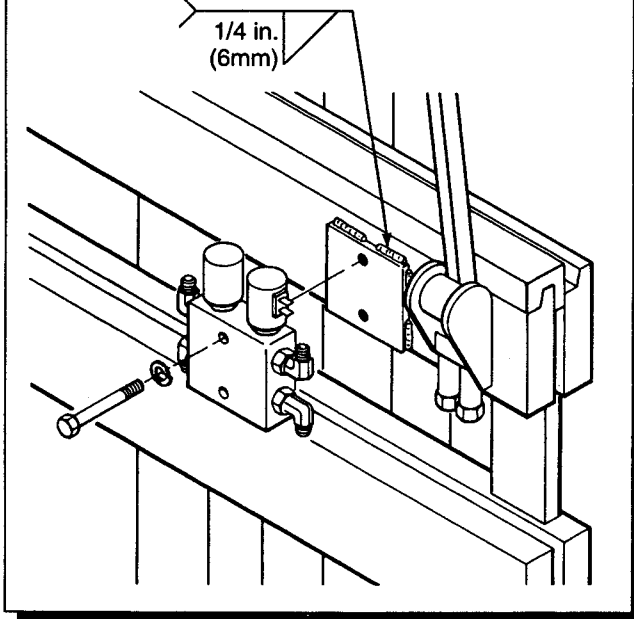


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INSTALLATION

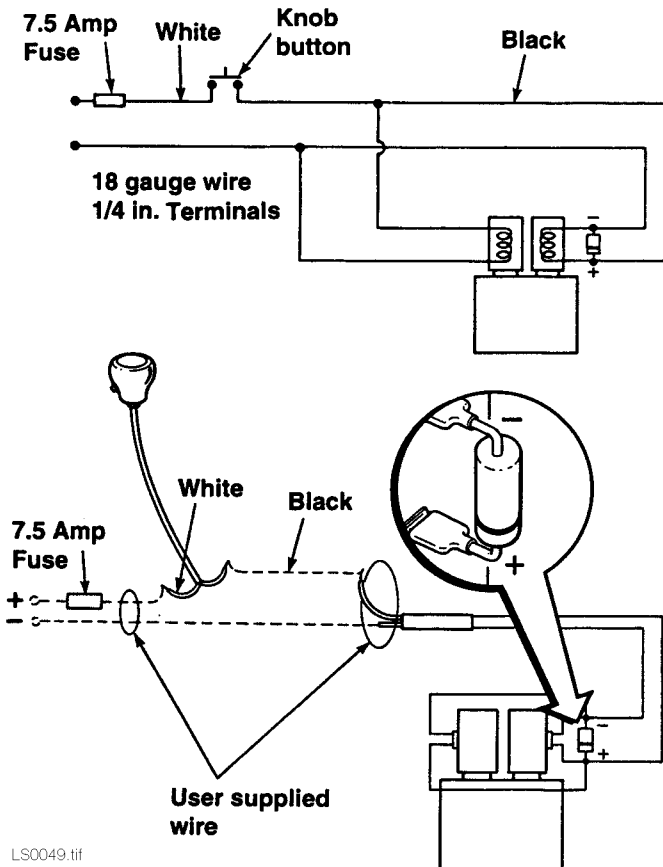
Load Stabilizer

5 Install solenoid valve – Solenoid equipped units.

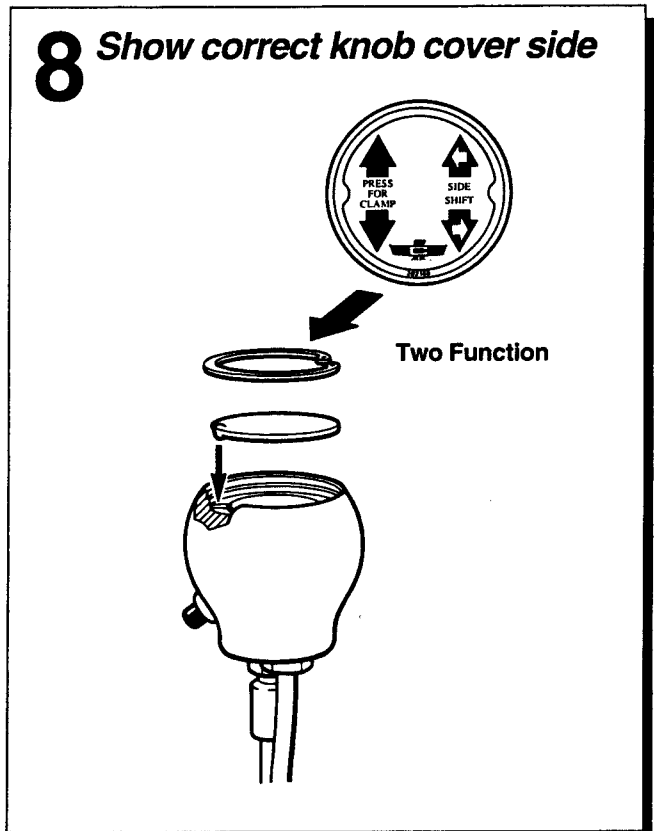


6 Install solenoid control knob – Solenoid equipped units.

7 Install wiring – Solenoid equipped units.



8 Show correct knob cover side

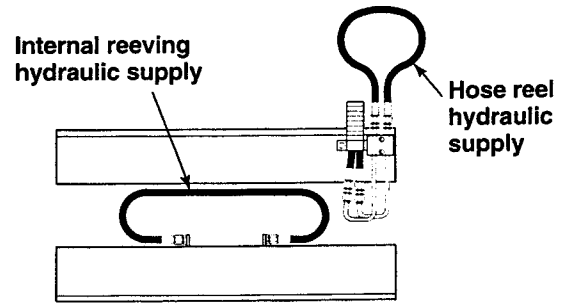


INSTALLATION

Load Stabilizer

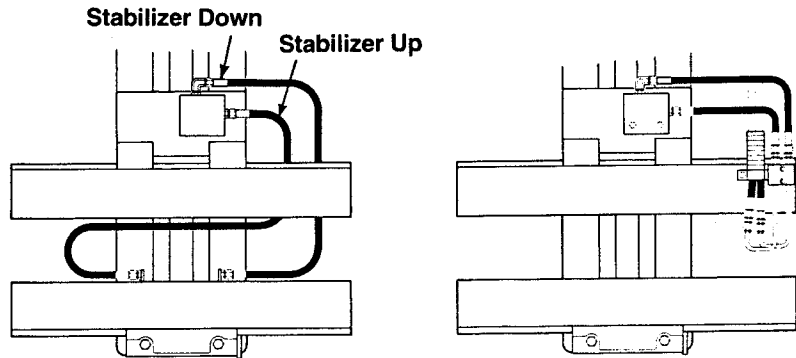
9 Flush hydraulic supply hoses

- A Install hoses
- B Operate auxiliary valves (both directions)
- C Remove hoses

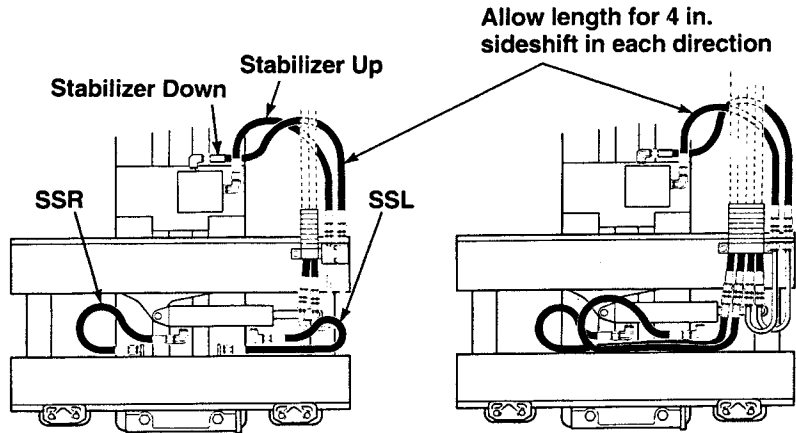


10 Install hoses

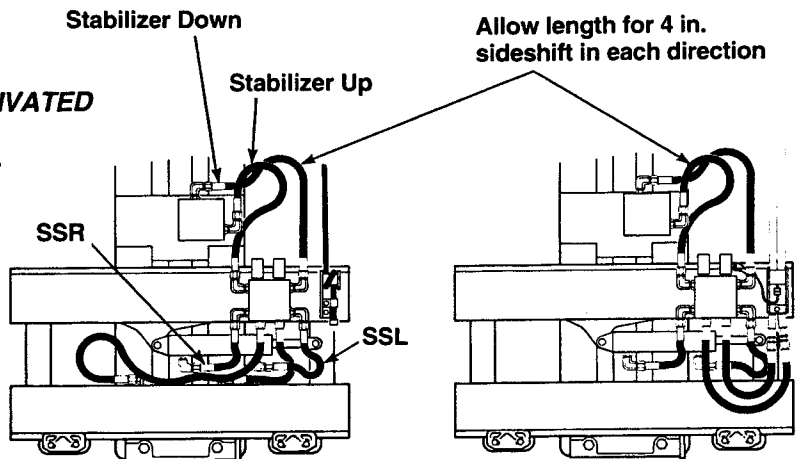
**LOAD STABILIZER
NON-SIDESHIFTING**
Using Installation Kit 202127



**LOAD STABILIZER
SIDESHIFTING**
Using Installation Kit 202126



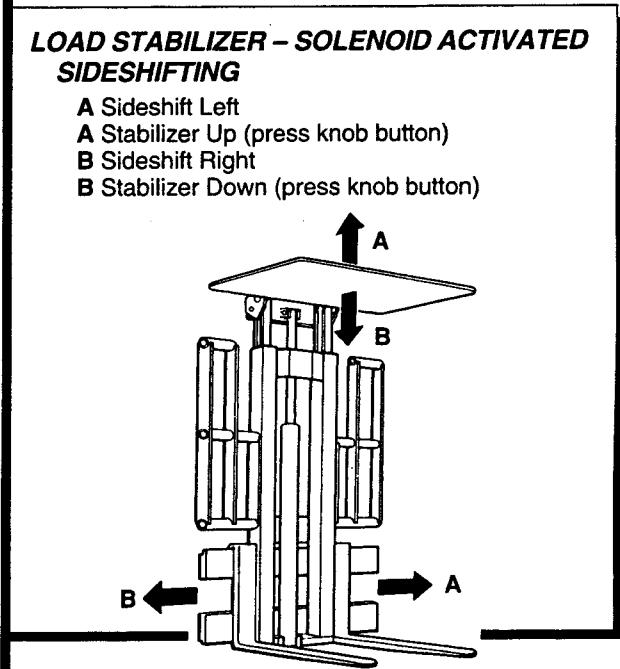
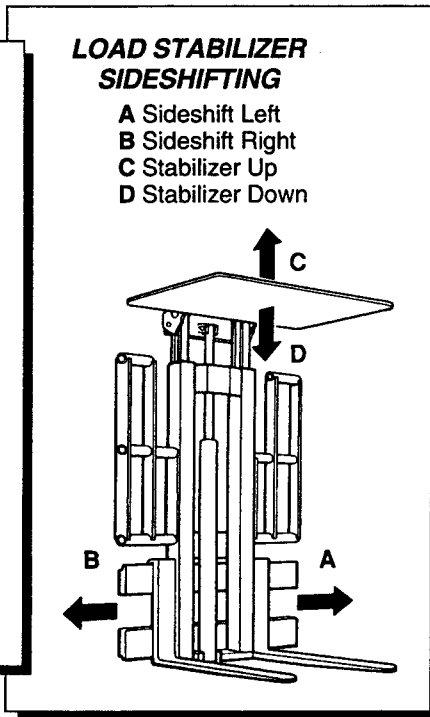
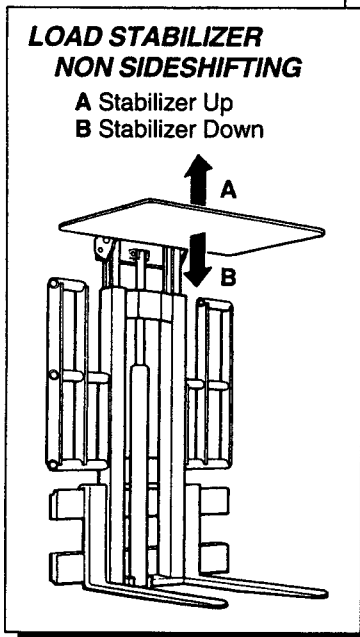
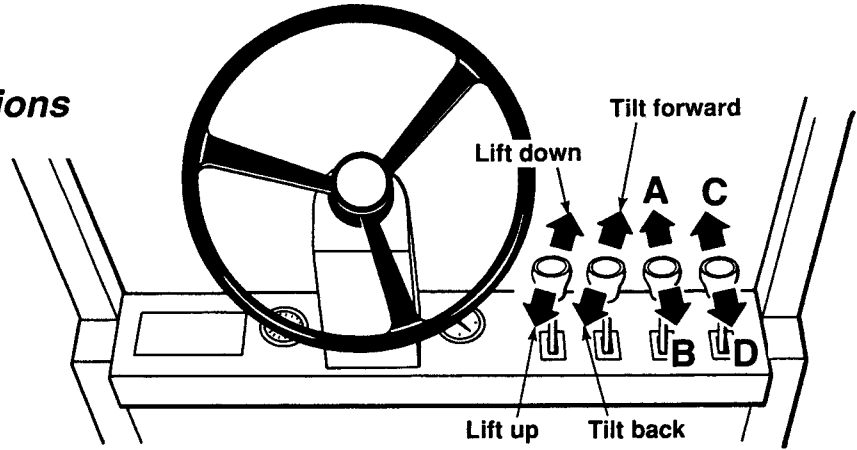
**LOAD STABILIZER – SOLENOID ACTIVATED
SIDESHIFTING**
Using Installation Kits 202126 and 202127



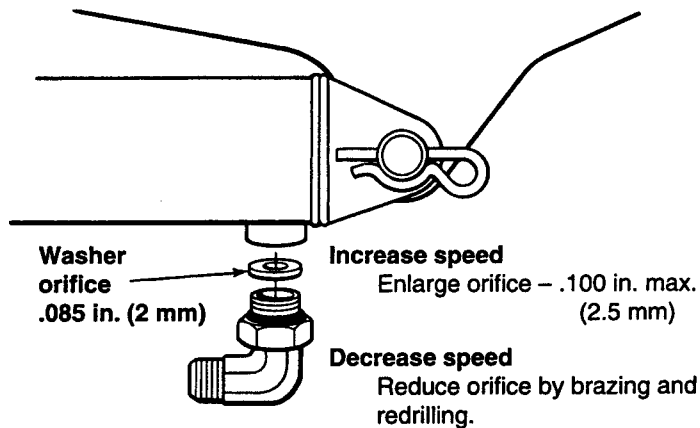
INSTALLATION

Load Stabilizer

11 Auxiliary valve functions

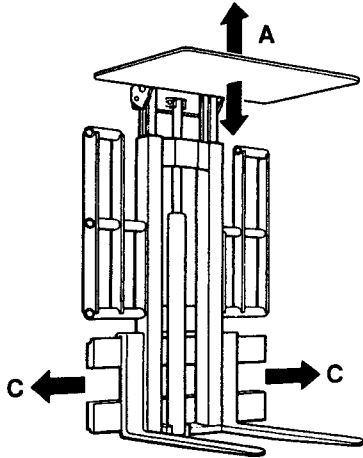


12 Sideshift speed adjust



1 Test functions

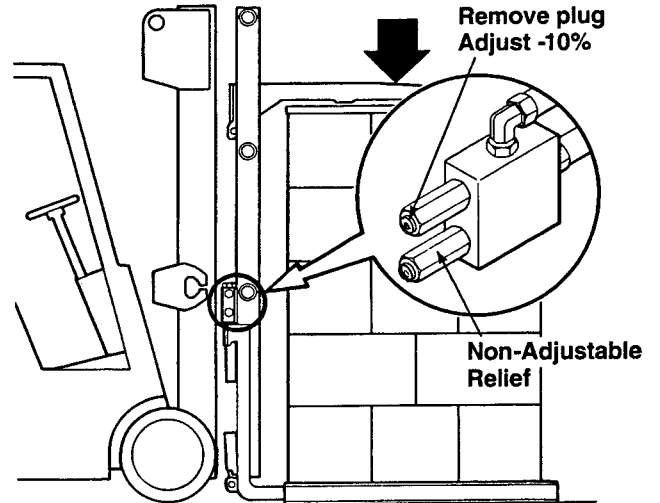
- A Raise Stabilizer
- B Hold truck valve open 10 seconds to remove air
- C Repeat for sideshift (if equipped)



2 Clamp force adjustment

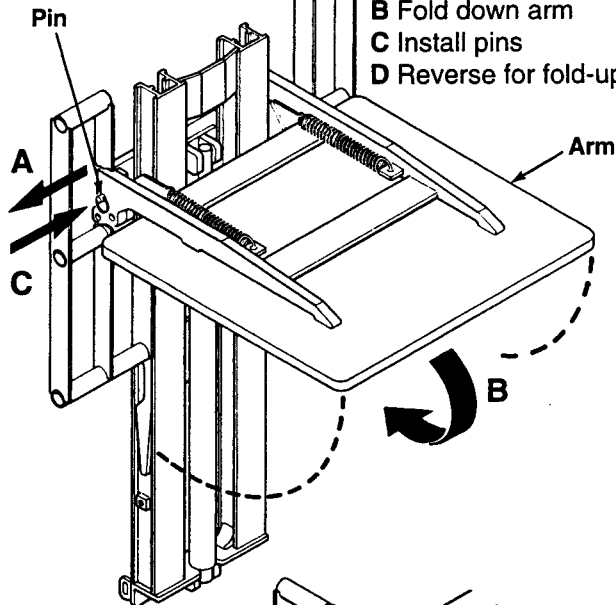
To reduce clamp force –

Turn internal setscrew **counterclockwise**



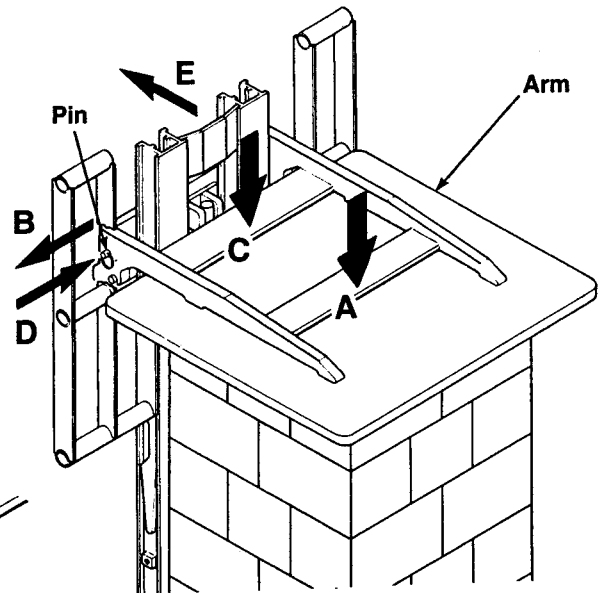
3 Arm operation and adjustment

- Fold-down Arm**
- A Pull out pins
 - B Fold down arm
 - C Install pins
 - D Reverse for fold-up



Quick change Arm

- A Position the arm resting on a stack
- B Pull out pins
- C Actuate control valve to lower the arm carrier
- D Install pins
- E Back away
- F Reverse for installation



Adjust to take up arm movement

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