

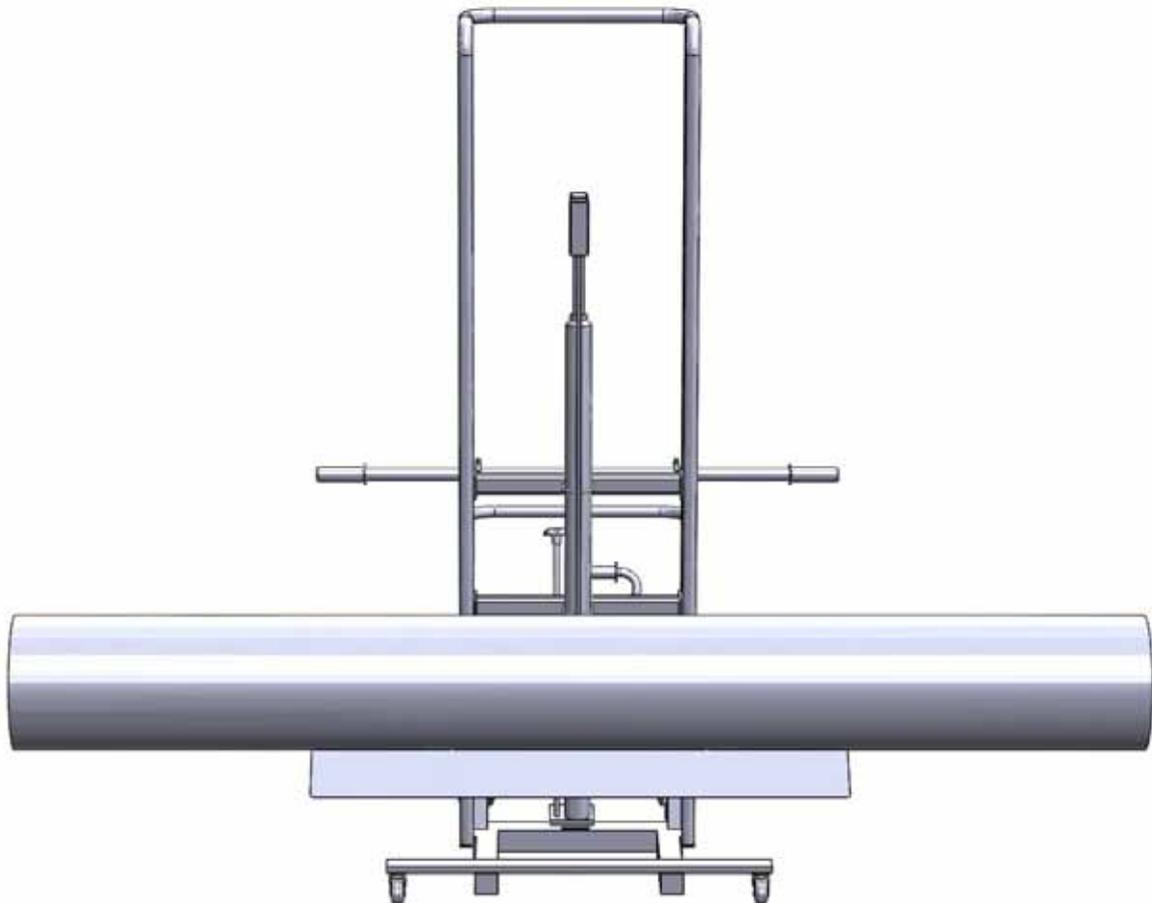
Foster

On-A-Roll Lifter®

Service Guide for Hi-Rise Models

This guide provides information on some common problems that may occur and steps to resolve them.

It is the user's responsibility to exercise good judgment, common sense, safety measures and reasonable limits regarding the use of the On-A-Roll Lifter® so as not to incur risk to the user or damage to the materials being carried. In order to obtain maximum benefit from your machine, please read these instructions carefully before using the On-A-Roll Lifter®.



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Parts Diagram

1 Parts diagram and list of components

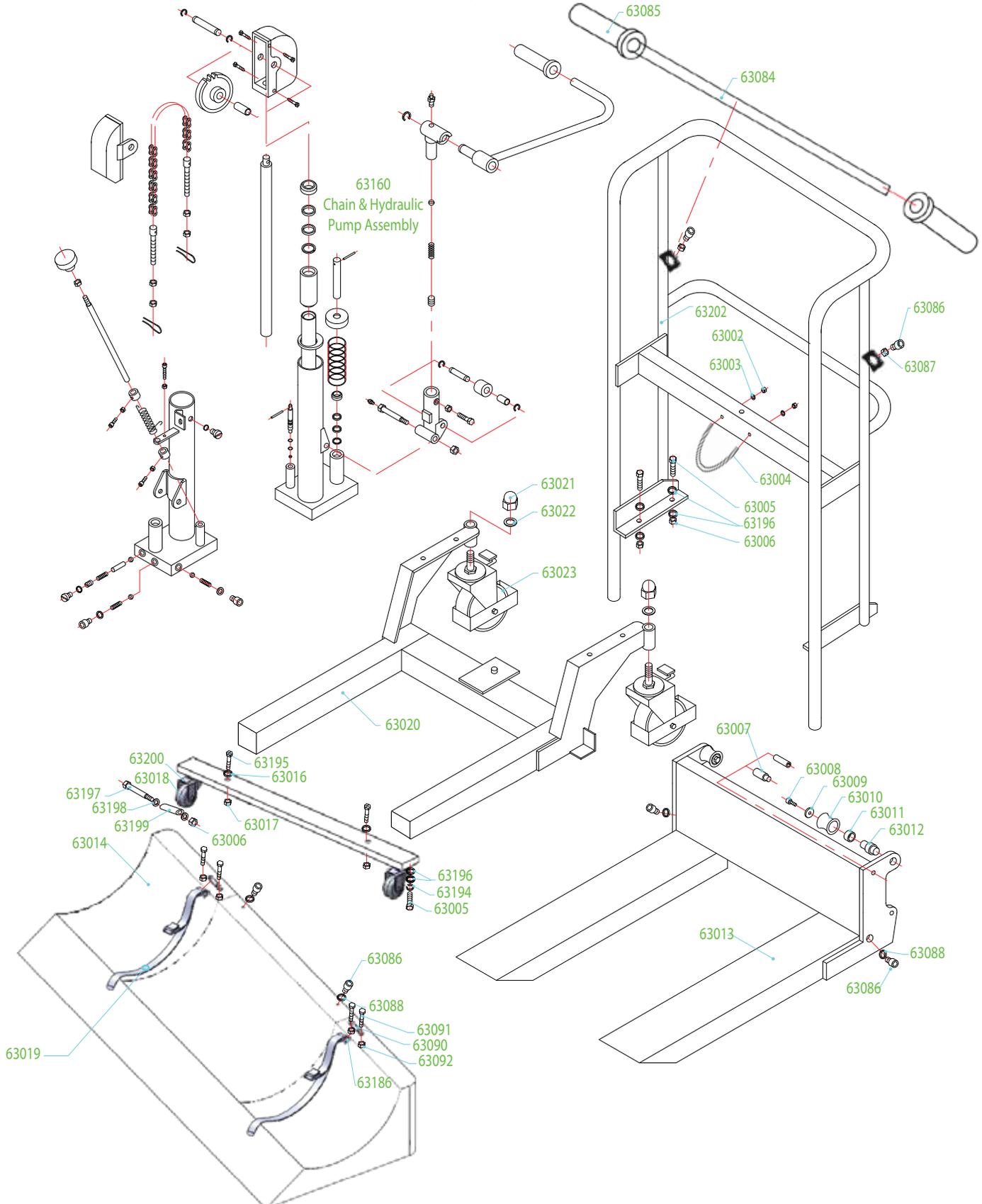
- 1.1 Contact Foster before replacing any components or performing any adjustments that aren't currently mentioned in this instruction manual.

Item #	Description	Item #	Description
63002	"U" bolt nut	63194	Split Washer for Standard Caster Wheel
63003	"U" bolt washer	63195	Caster frame Phillips head bolt
63004	"U" bolt	63196	Support frame washers
63005	17 x 3mm Support hex bolt	63197	Standard Caster wheel bolt
63006	Support/caster frame nut	63198	Standard Caster wheel plastic washers
63007	Lifter frame guide block	63199	Standard Caster wheel metal insert
63008	Axel & bearing wheel bolt	63200	Standard Caster wheel support bracket
63009	Axel & bearing washer	63201	Standard Caster wheel Assy
63010	Axel & bearing wheel	63202	Support Frame for Hi-Rise
63011	Axel & bearing thick washer	63084	Horizontal cross bar
63012	Axel & bearing connector	63085	Handle bar grip
63013	Lifter frame	63086	M6 x 19mm bolt
63014	Media tray	63087	Allen key bolt nut
63015	19 x 95mm frame hex bolt	63088	Allen key bolt washer
63016	Caster frame washer	63090	Media tray strap clamp
63017	Caster frame nut	63091	Media tray strap bolt
63018	Standard Front caster wheel	63092	Media tray strap nut
63019	Support strap for media tray	63120	Media Tray Assembly
63020	Caster frame	63130	Handle Bar Assembly
63021	Rear caster wheel nut	63140	Guide Bearing Assembly
63022	Rear caster wheel washer	63155	Hardware Assembly
63023	Rear caster wheel	63160	Chain & Hydraulic Pump Assembly
63186	Strap Pin	63180	Front Caster Frame Assembly

Parts Diagram

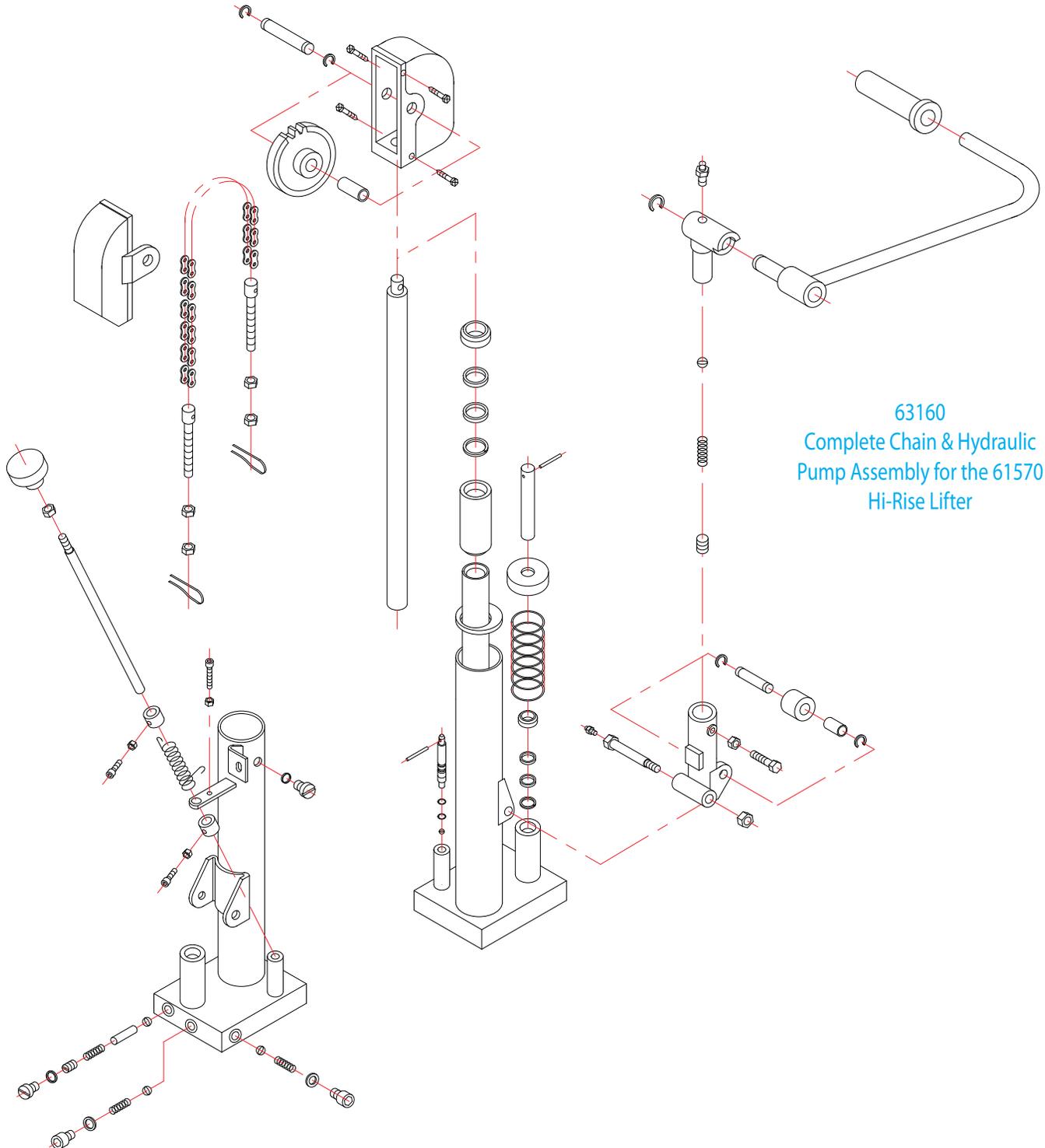
1 Parts diagram and list of components

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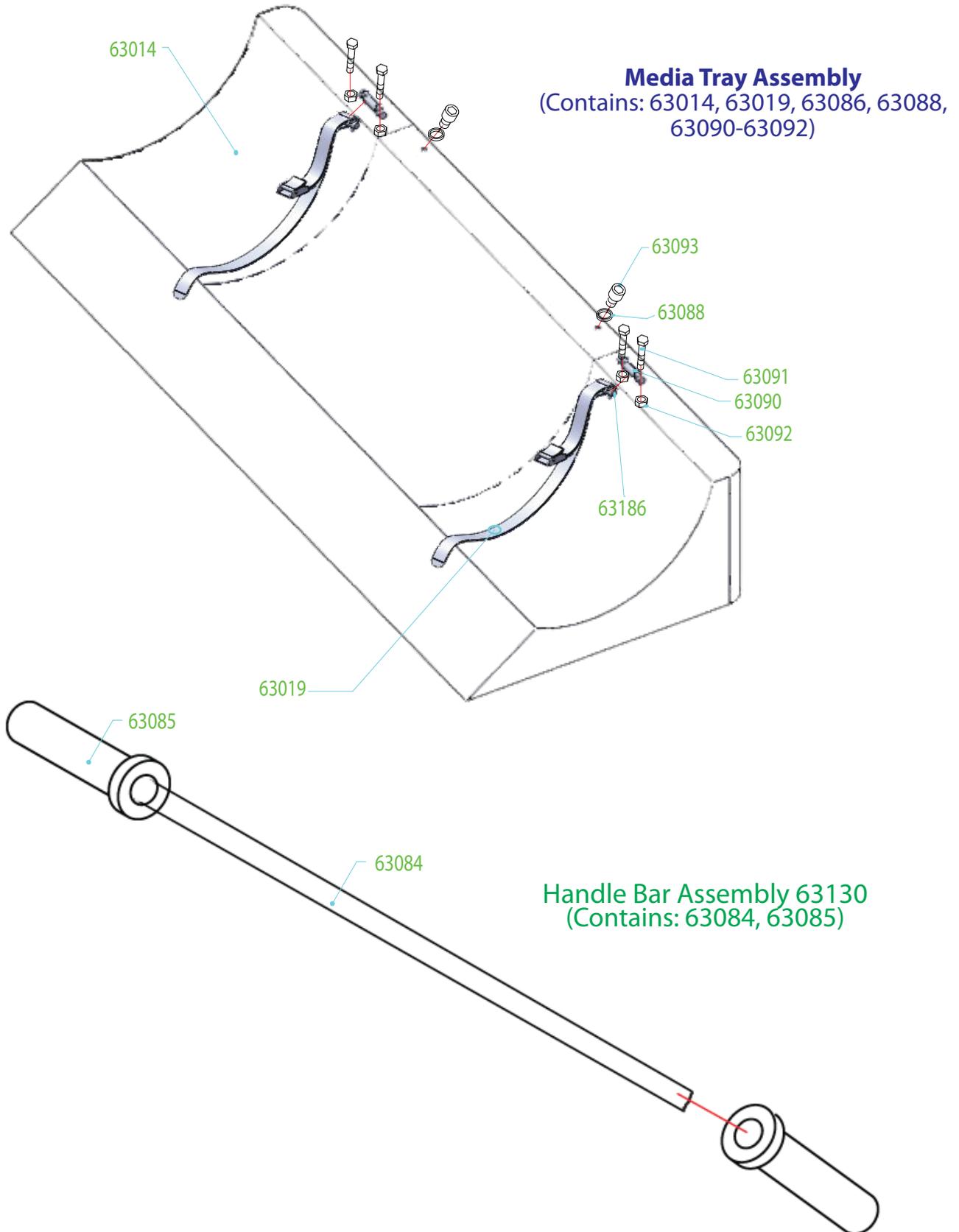
Parts Diagram

1.2 Parts diagram: Chain & Hydraulic Pump Assembly



Parts Diagram

1.3 Parts diagram: Tray & Handle Bar Assembly

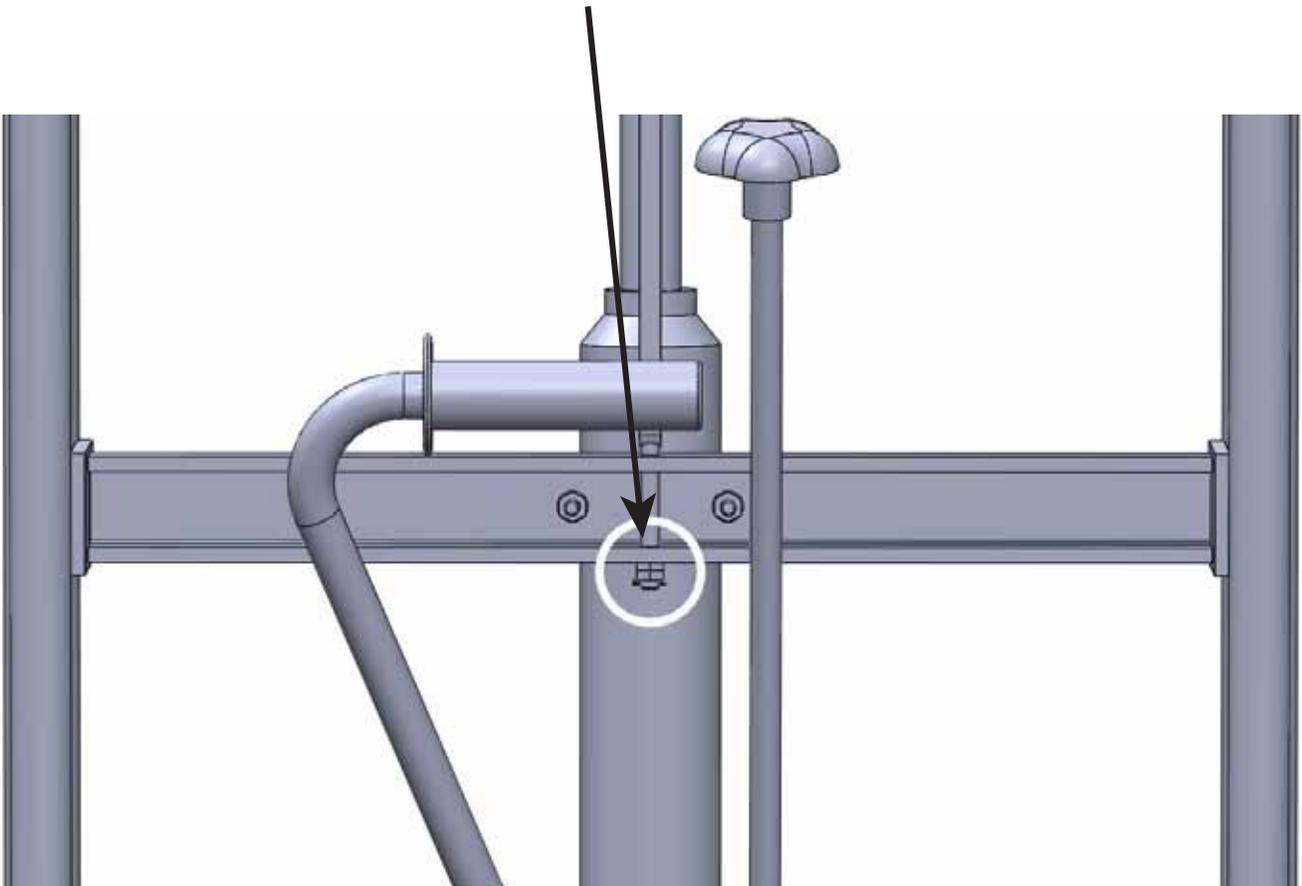


2. On-A-Roll Lifter® Wheels Not Turning Properly

1. Lift the front side to ensure the front wheels are intact and turning. Replace if damaged.
2. Lift the back side to ensure the steering wheels are intact and turning. Replace if damaged.
3. Ensure the cross bar is straight and not bowed. If the cross bar is bowed, the likely cause is that the user has dropped the roll media onto the tray or the roll weight is in excess of the recommended weight. Replace if damaged.

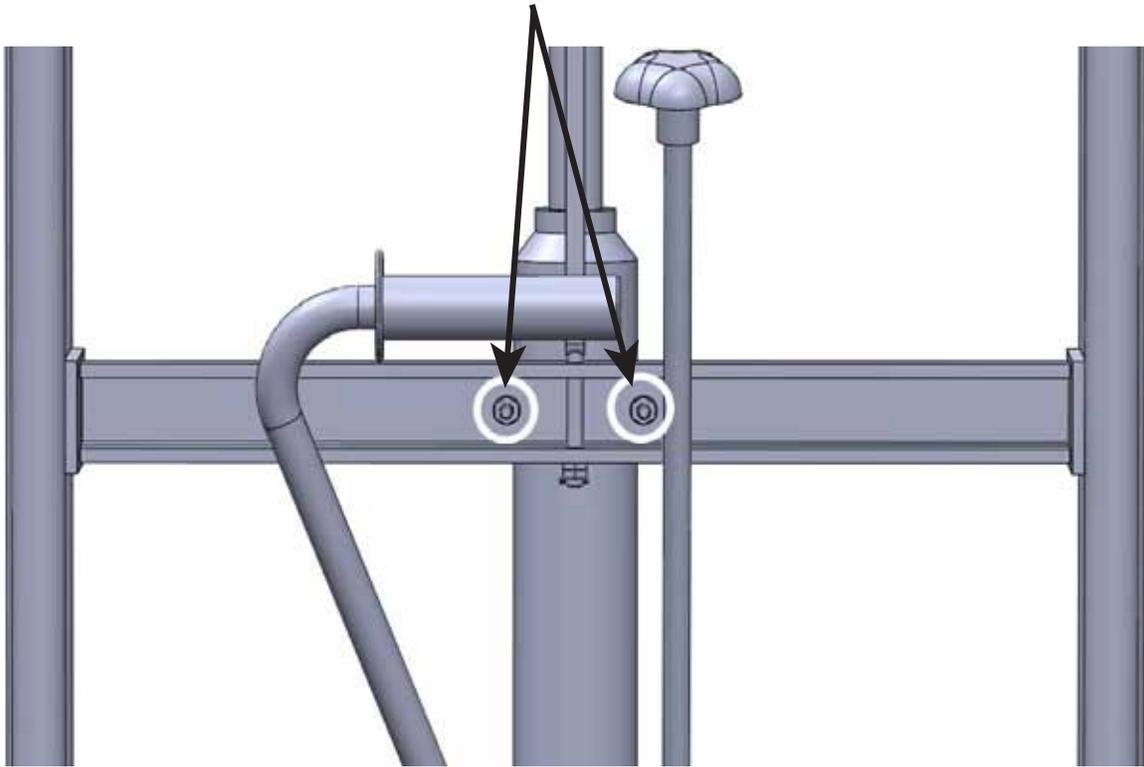
3. Oil Leaking

1. Remove the 2 nuts attached to the chain.



3. Oil Leaking

2. Remove 2 nuts from the U bolt.

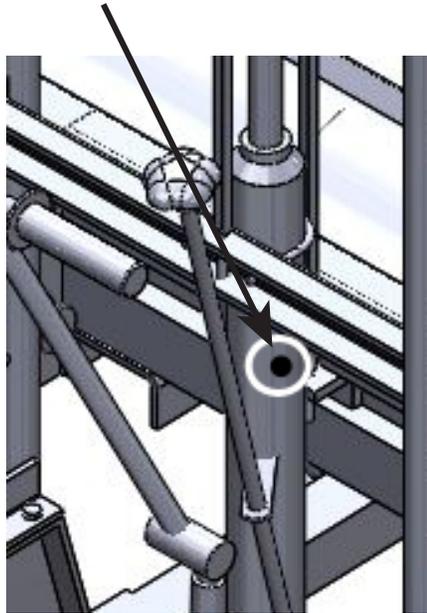


3. Lift the hydraulic pump.
 4. Pack it properly into thick packaging material to avoid the oil spilling.
 5. Replace with new hydraulic pump.
 6. Tighten 2 nuts from the U bolt and reattach the 2 nuts to the chain.

4. Roll Not Lifting

Check for leaking.

1. Open the oil filling screw:
2. Fill the pump unit with 10-20 ml hydraulic oil, type L-HM46 Hydraulic oil (equivalent to ISO VG46).
3. Wait for few minutes for the oil to reach the bottom of the pump unit. Try to lift.
4. If still not lifting, add additional oil in 2 more steps until the tray begins to lift.

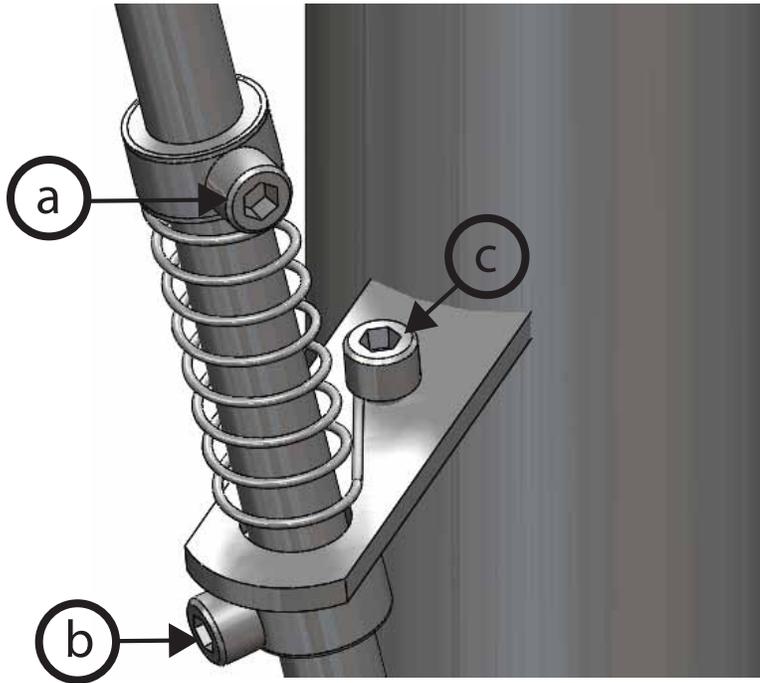


5. Tray Sinks Down Slowly

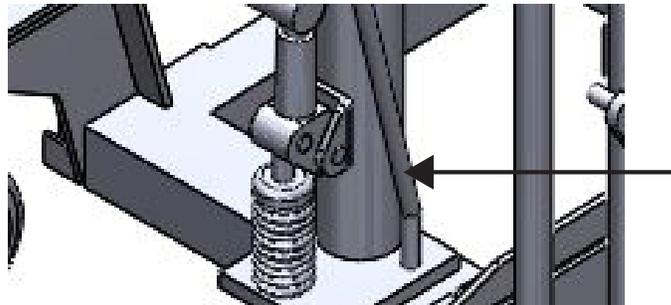
1. Replace the hydraulic pump as instructed in Instruction 3 "Oil Leaking".
2. Fill with more oil as instructed in Instruction 4 "Roll Not Lifting".
3. If still sinking, replace the seal of the lowering valve. See Instruction 6 "Oil Leaking at Release Valve".

6. Oil Leaking at Release Valve

1. Replace the hydraulic pump as instructed in step 3.
2. Open oil filling screw as instructed in step 4.
3. Turn the pump up-side down and empty oil into a bottle for later reuse.
4. Loosen screw (a), remove screw (b) and slide sprint sideward.
5. Loosen screw (c) and side it sideward. Remove the metal rod.



6. Unscrew the valve core and replace the 2 rubber rings.



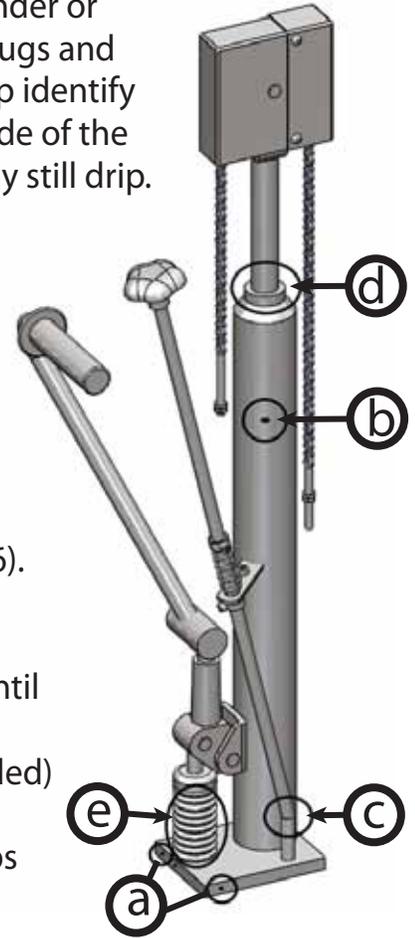
7. Reassemble the release valve.
8. Refill the oil into the pump.
9. Screw the oil filling screw.
10. Reassemble the hydraulic pump onto the lifter.

7. Oil Leaking at Other Points

1. Replace hydraulic pump.

8. Inspecting Hydraulic Cylinder for Leaks

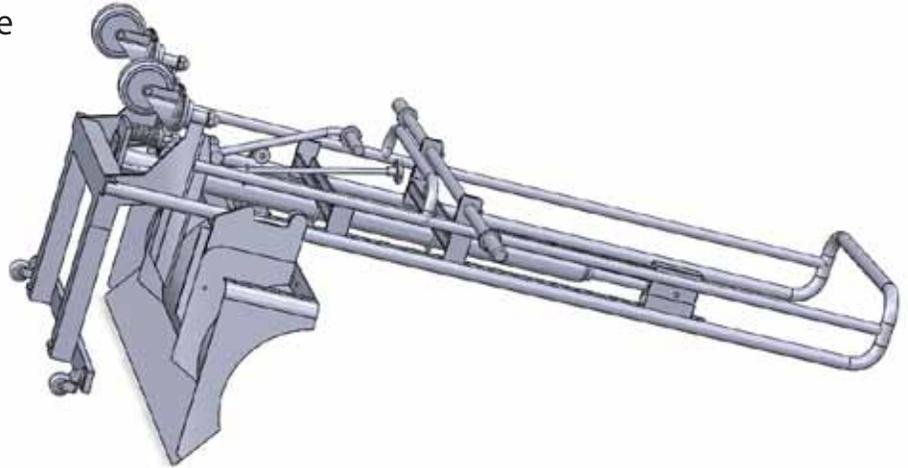
1. Wipe clean any excess oil that has accumulated on the cylinder or carriage, with attention to the areas around the fill/drain plugs and pressure seals circled in the previous diagram. This will help identify any future leaks (if they occur). Also make sure the underside of the cylinder/carriage has been wiped clean, any residual oil may still drip.
2. Inspect the Drain plugs (a) and ensure they are tight. Do not over tighten.
3. Inspect the oil fill plug (b) and ensure it is tight. Do not over tighten.
4. If excessive fluid has been lost (tray does not raise) see Step 4 "Roll Not Lifting". Otherwise, continue to Instruction 6 "Oil Leaking at Release Valve":
 - a. Fill the pump unit with 10-20 ml hydraulic oil (Less is better), L-HM46 Hydraulic oil (equivalent to ISO VG46).
 - b. Wait for few minutes for the oil to reach the bottom of the pump unit. Try to lift.
 - c. If still not lifting, add additional oil in 2 more steps until the tray begins to lift.
5. Cycle the On-A-Roll Lifter® up and down several times (loaded) and observe the following areas for leaks:
 - a. Drain plug leaks (a) should be visible as the fluid drips below their respective ports.
 - b. Looking upward, the next potential leak area is the release valve (c). Leaking fluid will cascade down the valves pedestal, and down to other components.
 - c. The oil fill plug is next (b), and a leak would show a fairly visible streak of oil coming downward from the plug.
 - d. Lastly, if the hydraulic ram (d) is leaking, oil would appear above the oil fill plug and cascade downward. However, at this point, it is suspected that the lifter would not hold the media tray in place.
 - e. Consider the pump (e). A leak here is often difficult to find due to the spring obstructing the seal area, making pre-cleaning and inspection difficult..
6. If you should find any leak that was not corrected by tightening the fill/drain plugs, please contact Foster (1-800-523-4855) for advanced support.



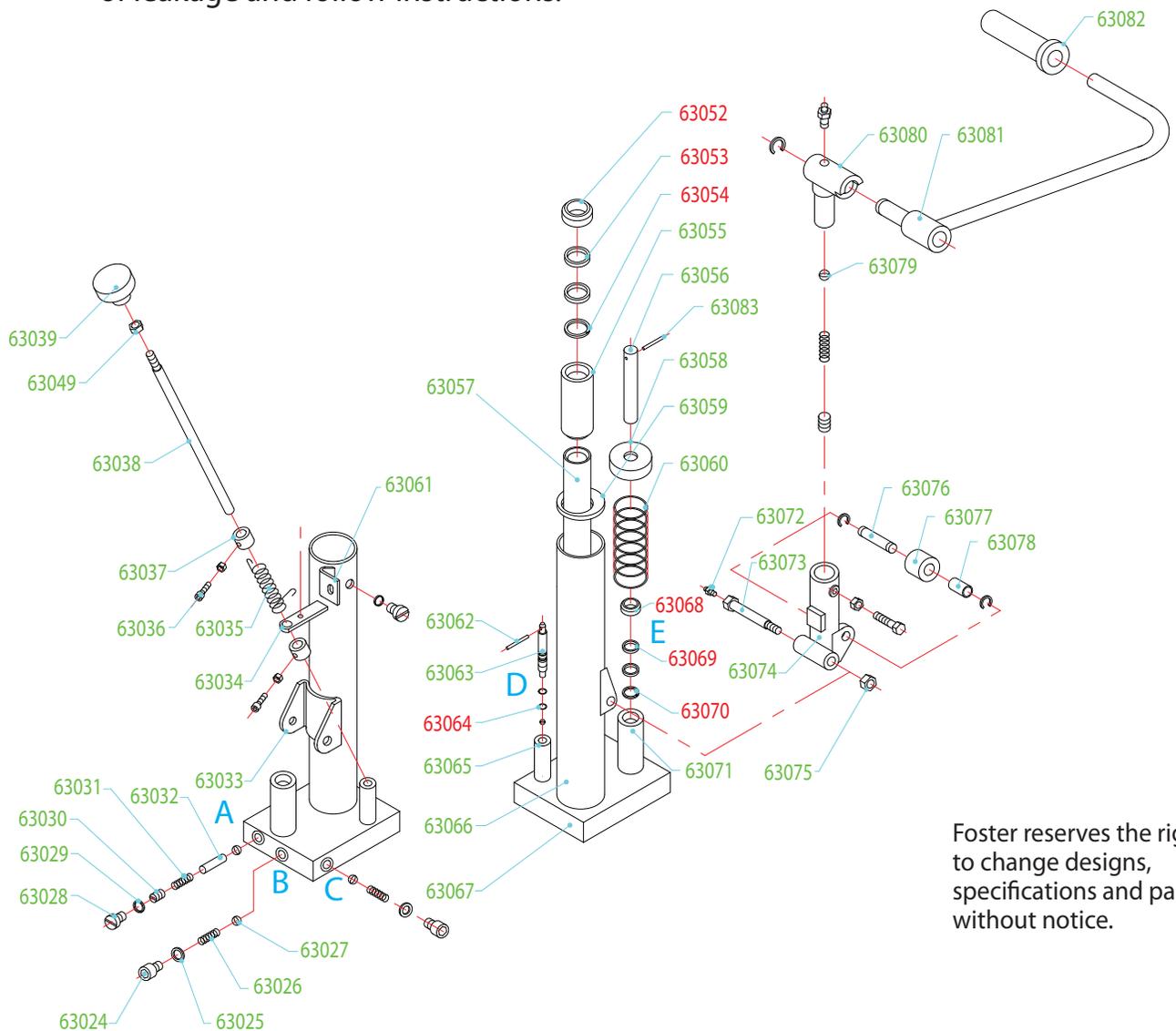
Note: If fluid has been added or the unit has been overfilled, it is possible that excess fluid may leak from the fill plug, when the lifter is in operation. The fill plug may continue to leak until the excess fluid is gone. This isn't a problem and the machine will still function normally.

9. On-A-Roll Lifter® Lift Pump Repair

1. Place protection material on the floor e.g. cardboard, to protect the floor from oil dropping.
2. Very carefully, lay the lifter in a horizontal position as shown:



3. There are 6 points marked A, B, C, D, E in the next illustration. Identify the point of leakage and follow instructions.



Foster reserves the right to change designs, specifications and parts without notice.

9. On-A-Roll Lifter® Lift Pump Repair

Point A

1. Unscrew the screw, part # 63028.
2. Remove the seal (63029), rubber screw (63030), coned spring (63031) and Pin (63032).
3. Inspect the parts if they are broken or worn out.
4. Replace the appropriate parts or all the parts and insert the parts as shown in the previous diagram.

Point B

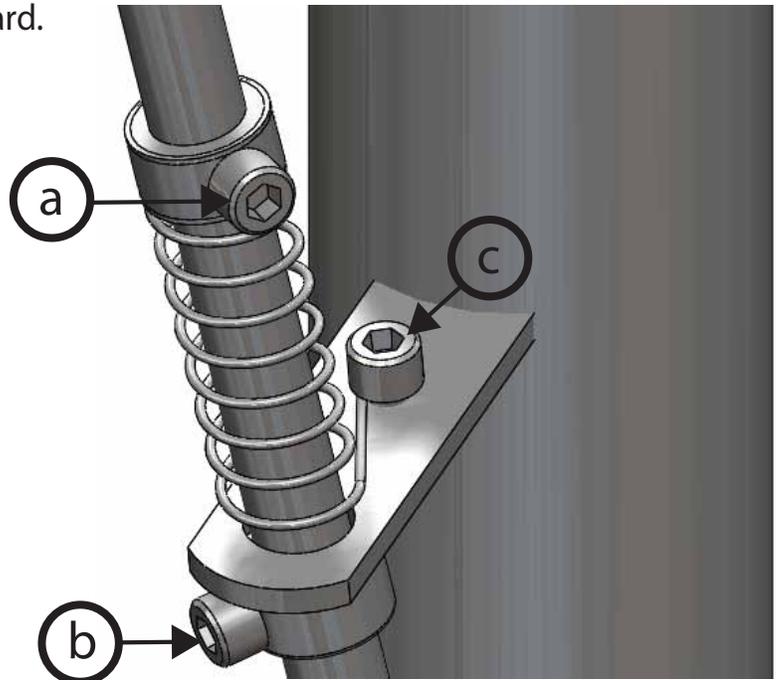
1. Unscrew the screw, part # 63024.
2. Remove the seal (63025), coned spring (63026) and steel ball (63027).
3. Replace with all NEW parts and insert the parts as shown in the previous diagram.

Point C

1. Unscrew the screw, part # 63024.
2. Remove the seal (63025), coned spring (63026) and steel ball (63027).
3. Replace with all NEW parts and insert the parts as shown in the above diagram.

Point D

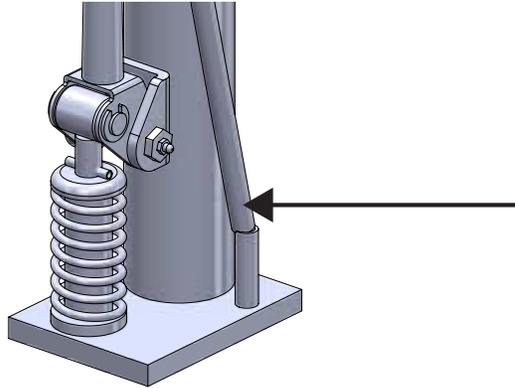
1. Make sure the On-A-Roll Lifter® is in the normal position.
2. Loosen screw (a), remove screw (b) and slide spring sideward.
3. Loosen screw (c) and slide it sideward.



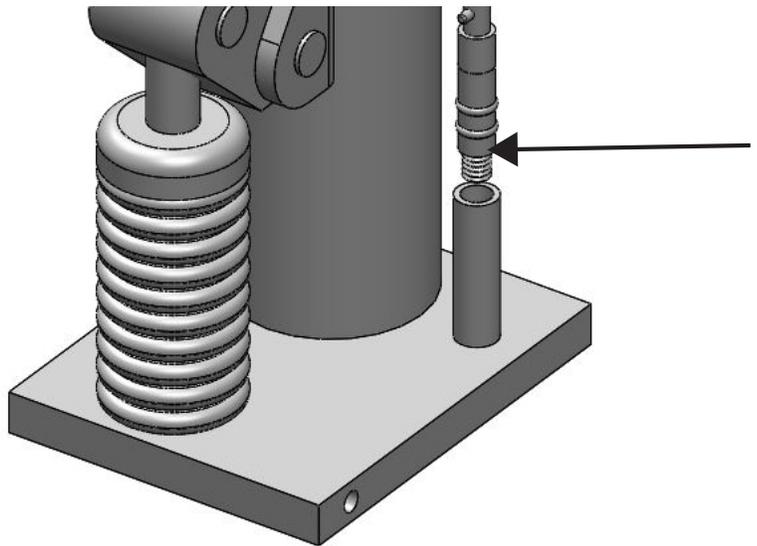
9. On-A-Roll Lifter® Lift Pump Repair

Point D

4. Remove metal rod.



5. Unscrew valve core and replace the 2 rubber rings, Part 63064.



6. Reassemble the release valve.

Point E

1. Remove 1 of the retaining pins on the hydraulic pump foot pin.
2. Remove the hydraulic pump foot pin.
3. Remove the piston rod and inspect the parts if they are broken or worn out.
4. Replace the appropriate parts or all the parts and insert the parts as shown in the previous diagram.

