

INSTALLATION INSTRUCTION

Fitment Of Rocker Roller Springs To Chassis

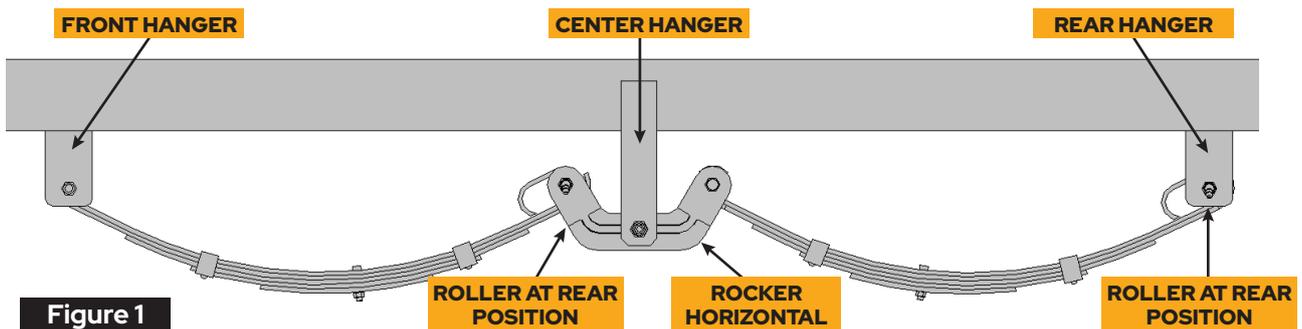
Step 1: Spring hangers are welded to the main chassis rails of the trailer. Axle positions must be determined by the trailer manufacturer before welding begins. Sunrise provides nominal spring and axle layout dimensions as a guide only. These reference dimensions do not allow for normal manufacturing and engineering tolerances.

Step 2: Position the centre hanger in the correct location and tack weld it in place. Ensure the hanger is square to the chassis and that both left and right sides are correctly aligned.

Step 3: Assemble the rocker and springs to the centre hanger using the supplied 18 mm diameter bolt fitted with a grease nipple.

Step 4: Fit the front hanger to the front spring using the supplied 16 mm diameter bolt. With the rocker positioned horizontally, move the hanger forward along the chassis rail as far as possible. Ensure the hanger is square, then tack weld it in place.

Step 5: Fit the rear hanger to the rear spring using the supplied 16 mm diameter bolt fitted with a grease nipple. With the rocker positioned horizontally, move the hanger rearward along the chassis rail as far as possible. Ensure correct alignment and tack weld the hanger in place.



Step 6: Once all hangers are correctly positioned and aligned, fully weld all hangers to the chassis rails.

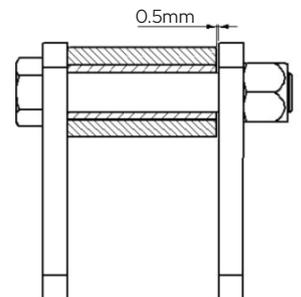
Step 7: Secure the front and rear springs in the hangers using nyloc nuts on the pins. The spring must be able to pivot freely on the pin. Over-tightening can clamp the spring eye against the hanger, preventing correct suspension movement.

Sunrise recommends maintaining a 0.5mm gap between the spring eye and the hanger.

Refer to Figure 2.

Use a feeler gauge to set and confirm this clearance.

Note: As the nut is not fully tightened, no torque setting can be specified.



Step 8: Secure the rocker in the centre hanger using a nyloc nut. The rocker must also pivot freely, and the same 0.5 mm clearance specified in Step 7 must be maintained.

Step 9: Grease the centre pivot and rollers using the fitted grease nipples. When installing the centre pin, position the grease nipple facing the outside of the trailer to allow easier ongoing maintenance.

With no load applied, the centre rocker should sit horizontally and the rollers should be positioned toward the rear of each spring. When the trailer load is applied, the roller position will move forward within the spring slot.

Step 10: The spring assembly is now complete and ready for axle installation.