

Wear Checks

Trailer Kingpin

Kingpin Test Gauge

Check dimensions using Fontaine Kingpin test gauge Tool No. 59006421

Ø71min
Ø49min

Fifth Wheel Kingpin

Jaw pin

20.25 mm minimum

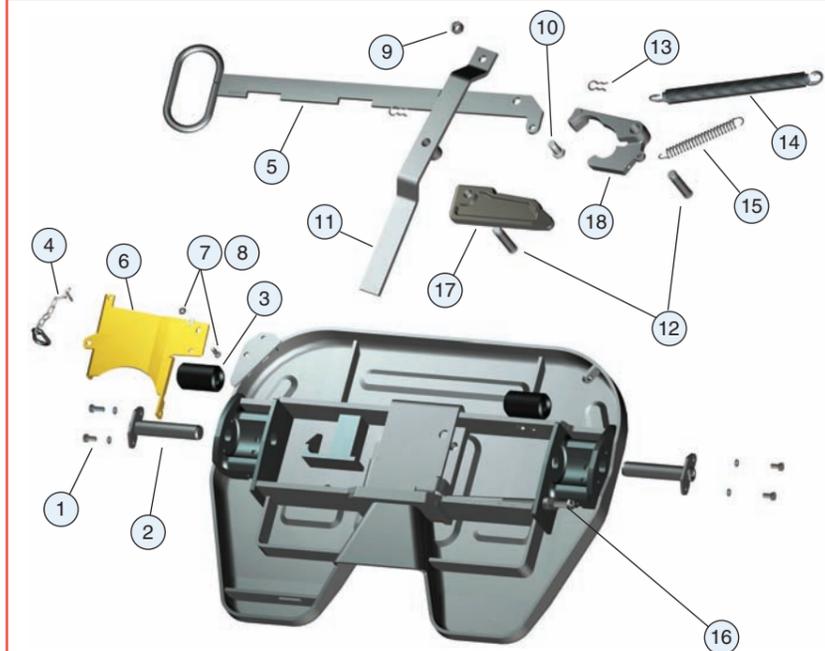
NOTE
The jaw pin is only a pivot pin and is designed to be smaller than the hole in the jaw. This clearance enables the jaw to fully contact the kingpin and lockbar at all times.

Mounting Bracket Lift

5mm max. lift

Using a lever check the foot bush for wear. 5mm max. permissible lift

Do not use excessive force as this will compress the bush and give a false reading



Spare Part Kits:-

Item	Description	Qty.	Part No.
Pivot & Bush Kit 59013196			
1	M10 Bolt & Washer	4 x 4	
2	Pivot Pin	2	
3	Rubber Bush	2	
Safety Clip Kit 59004114			
4	Safety Link & Clip	1	
Release Handle Kit 59014458			
5	Release Handle	1	
6	Handle Bracket	1	
7	M8 Binx Nut	1	
8	M8 Hex Bolt	1	
Lever Assembly Kit 59015257			
9	M16 Binx Nut	1	
10	M16 Hex HD Bolt	1	
11	Lever Assy	1	
12	Lockbar & Jaw Pivot	1	
13	Spring Clip	1	
Spring Kit 59015067			
14	Main Spring	1	
15	Jaw Spring	1	
Adjuster Kit 59015067			
16	Adjuster Stud Assy	1	

Repair Kit 150SP

Locking Mech. Kit 59013687

Item	Description	Qty.
12	Lockbar & Jaw pivot	2
13	Spring clip	2
17	Lockbar	1
18	Jaw	1
14	Main spring	1
15	Jaw spring	1
	Jaw stop bolt	1
	Jaw stop bolt & washer	1

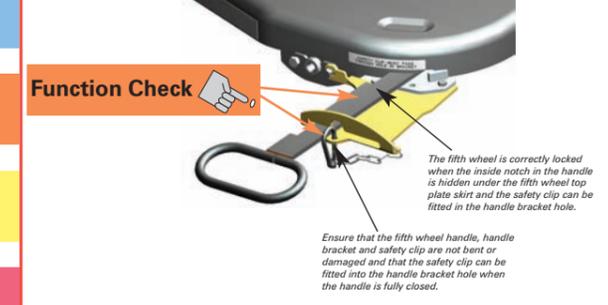
PART NUMBERS for tools required ...

Kingpin Test Unit 59004124
Kingpin Gauge 59006421
Pivot Bolt Puller 59002231
150SP Instruction Manual 59015324

		Service Interval	
		10,000 Km 4-6 Weeks	50,000 Km 24 Weeks
Clean	Clean the fifth wheel mechanism and rubbing plate	👍	👍
Visual Inspect	Inspect the fifth wheel for damage defects and cracks	👍	👍
Function Check	Check the fifth wheel for function See instruction manual for help	👍	👍
Wear Check	Refer to diagram above right or instruction manual	✗	👍
Adjustment	Refer to Adjustment Procedure (bottom right) or instruction manual	✗	👍
Torque Checks	Refer to diagram above left or use instruction manual 59015324	👍	👍
Lubricate	Regrease with clean clean grease all points in diagrams above	👍	👍

Grease Specification
Heavy duty grease with a lithium or calcium base should be used for all lubrication.

Initial Lubrication
Prior to going into operation, the top plate, locking mechanisms, and mounting bracket lube points should be well lubricated using a heavy grease (see above). This should be done even if the fifth wheel is connected to a central greasing system.



Adjustment Procedure

- Undo the adjuster locknut and wind the adjuster (anti-clockwise) until it is completely free from the end of the lockbar.
- Insert the new kingpin (or kingpin test unit Part No. 59004124) and ensure the mechanism fully closes.
- Screw the adjuster clockwise until it touches the end of the lockbar.
- Screw inwards a further 3 complete turns (to give 0.525mm running clearance).
- Tighten the adjuster locknut.
- Open fifth wheel and remove the kingpin/test unit.