

Service Bulletin



Customer	All	S.B. No	
		Issue	2
Title	PR18 Skip Loader– Product information. Suspension pin method of inspection Part number S1001-LC-505	Job No.	
		Date	22/07/2021
		Raised by	John Jennings

Bulletin for information

Understanding of the issue:

Customers have highlighted instances where incorrect use has caused the chain suspension pin to come adrift from the mounting saddle.

Early investigations carried out around this reported failure have identified that damage to one or more of the two main saddle assemblies (figure 1 item 1) occurred. The saddles that have failed have been returned and found to have distorted side plates due to incorrect operation. The distortion to the side plate of the saddle has consequently broken both the securing roll pins (figure 1 item 9) leaving the suspension pin (figure 1 item 8) free to move in the saddle (Figure 1 item 1).

The reason identified for the saddle distortion is due to side loading through the suspension plate created when a skip is lifted without all four chains attached to the container lifting lugs.

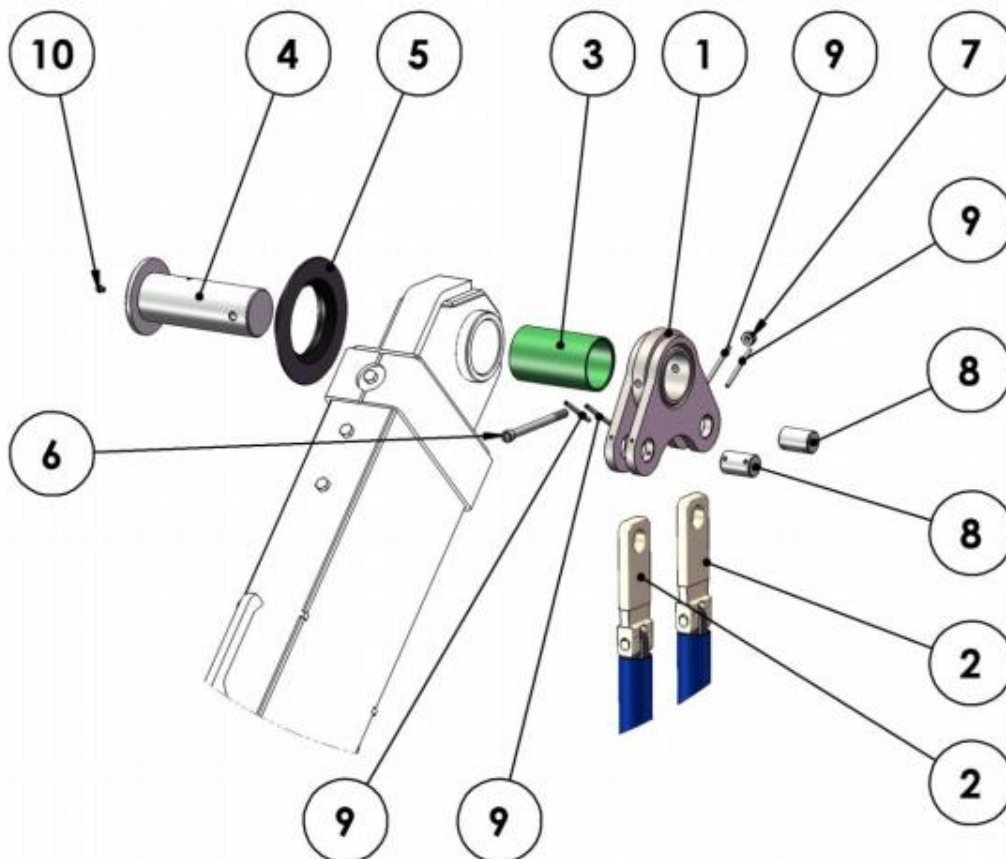



Figure 1 -Chain assembly version 2 fitted from 2016 onwards


Containment:

Many operators will have procedures that are in place to minimise risk. These procedures should always be followed. In addition to these or any individual company procedures, a visual safety check/walk around must be carried out before lifting operations commence to identify any sign of damage to components. Further information can be found in the HSE leaflet INDG378 – Safe use of Skip loaders and the CHEM standard code of practise No2.

Equipment should not be operated with a known fault. (Figure 2 Boughton Engineering operation manual).

WARNING

 **NEVER** operate the equipment if there is a known fault. Take the vehicle out of service and affect a repair before returning into service.

 **Only qualified technicians should carry out repair of faulty equipment.**

Continued use of faulty equipment may result in serious injury, death or damage to the equipment.

Figure 2 – Operation manual warnings

Visual inspection:

To aid operator visual inspection, the following pictures are to help identify failed pins.

Figure 3 & 6 where the suspension pin is flush with the saddle side plates is serviceable.

Figure 4 & 5 Where the pin is outward or inward or not flush with saddle plates is not serviceable and it must be replaced.

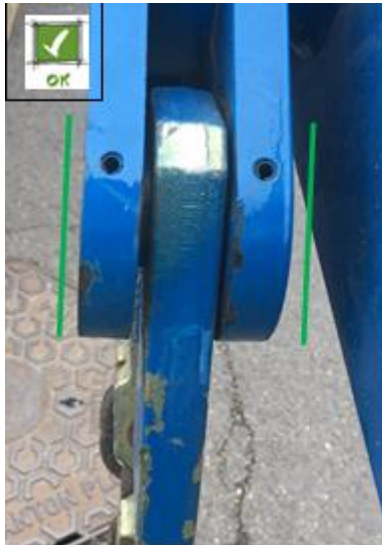


Figure 3



Figure 4



Figure 5



Figure 6

Actions:

Parts found to be distorted and damaged must be replaced by a qualified technician.

The part number of these items highlighted are as follows:

- Item 1 – S1001-LC-946 – Chain Saddle.
- Item 8 - S1001-LC-505 – Chain Suspension pin
- Item 9 - SLOTTED SPRING PIN 6X80 PLAIN

Please report every occurrence relating to these damaged pins to Boughton Engineering Service Department on 01902 623441.

Mr John Jennings.
Group Service and Parts Manager