

508.

## Moser's Rides Spring Ride service bulletin

NAFLIC is in receipt of a service bulletin put out by Moser's Rides relating to the company's Spring Ride amusement device. Specifically, this mentions Spring Tower models with release bar gas spring return.

The bulletin is published here in full for information purposes.

*The information contained within is that of the manufacturer and not NAFLIC. When following the advice from the manufacturer, you are reminded of your duties and responsibilities under HSG175 regarding modifications.*



MOSER'S RIDES S.R.L.  
s.s. 12 Via Abetone Brennero Nord, 15/B  
46035 Ostiglia (MN) Ph.+39 0386 800001  
[moser@moserrides.com](mailto:moser@moserrides.com)

Bulletin No:SR003-2020 rev03

Release Date:25/01/2021

Effective Date:

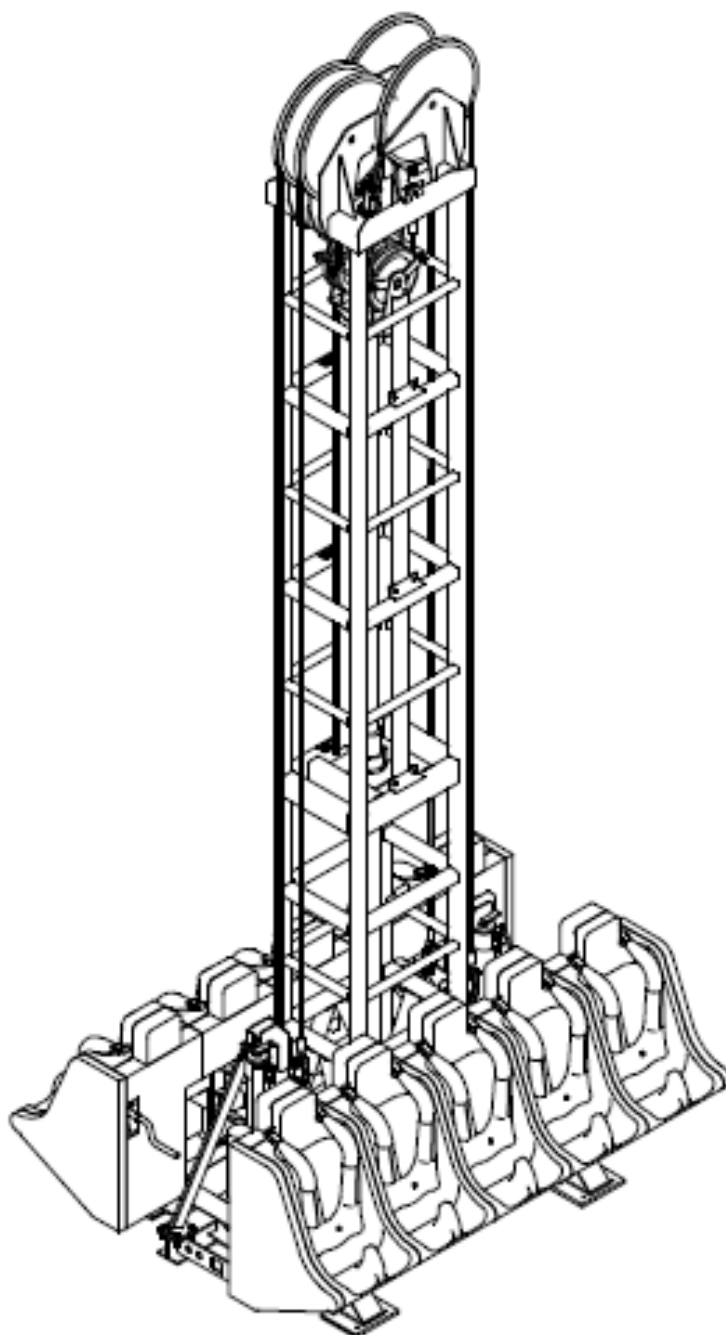
Supersedes:

Completion Date:

Page: 1

# SPRING RIDE BULLETIN

## RELEASE/RESTRAIN SYSTEM





MOSER'S RIDES S.R.L.  
s.s. 12 Via Abetone Brennero Nord, 15/B  
46035 Ostiglia (MN) Ph.+39 0386 800001  
[moser@moserrides.com](mailto:moser@moserrides.com)

Bulletin No:SR003-2020 rev03

Release Date:25/01/2021

Effective Date:

Supersedes:

Completion Date:

Page: 2

## **FOR SPRING TOWER MODELS WITH RELEASE BAR GAS SPRING RETURN**

### **1-ADDITIONAL CHECK**

**EVERY DAY** Check the gas spring that is able to keep the collective release lever in this position without yielding, the release handle is in the fully risen position with the gas spring extended. If necessary replace it with an identical gas spring that has a minimum force of 350N.

(See Fig 1 part 1)

**EVERY YEAR** Replace this gas spring. (see Fig 1 part 1)

### **2-CHECK CLARIFICATION**

**EVERY DAY** Seat Harness Test execution procedure.

Open all the safety harness by acting on the release handle. Once all the safety harness are raised (Fig 2) proceed by closing the harness one at a time (with all others open) and checking if the harness remains blocked by pulling in the opposite direction at each click that make the hooks. Repeat this procedure for all the harness one by one. (Fig 3).

1-POSITION Safety Bar  
CLOSED  
Spring ride READY to Work

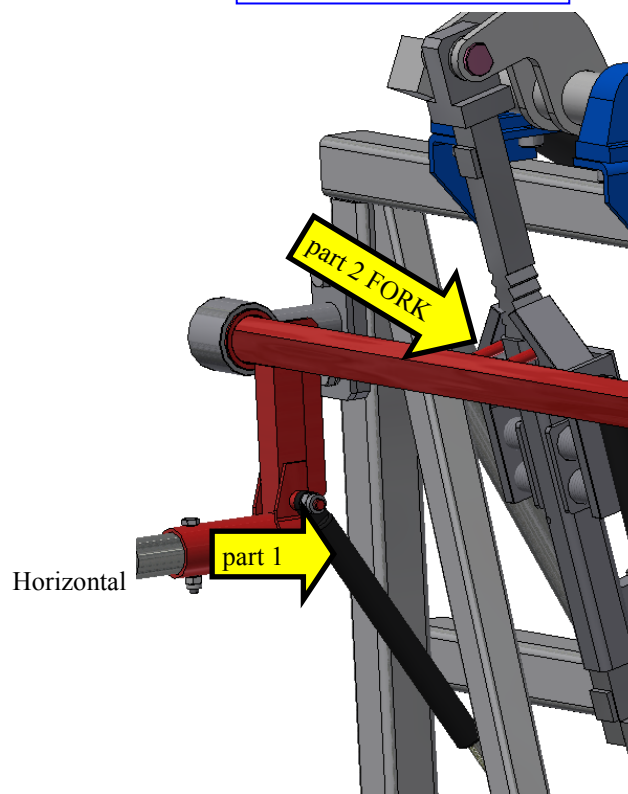
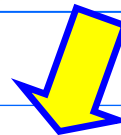
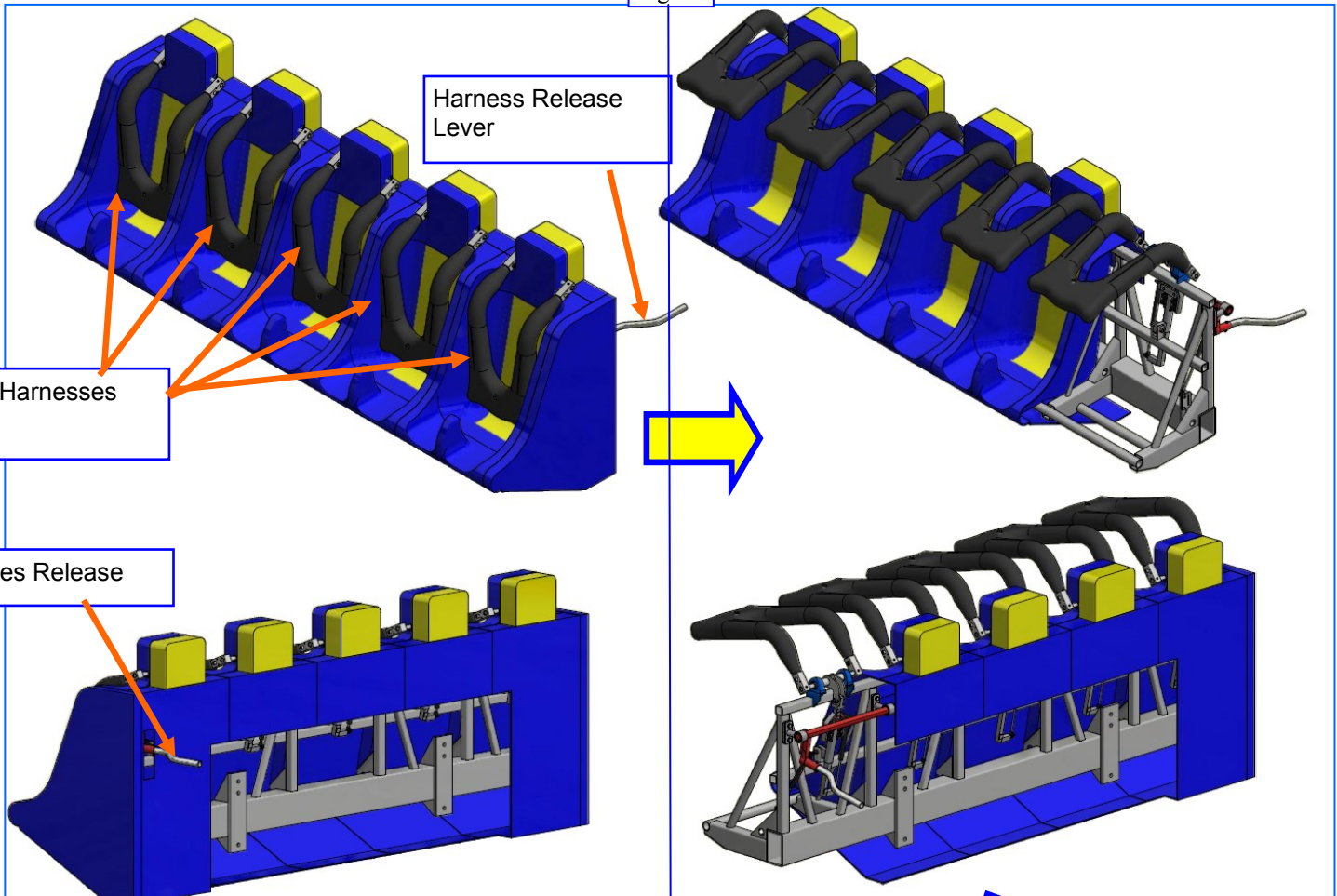


Fig.1

Fig.2



Check the lever does not move and stays in horizontal position

**2-Check that the harnesses remains blocked by pulling in the opposite direction. Repeat this procedure for all the harnesses one by one, with all other harnesses open and Click by click of the Hook (plaws)**

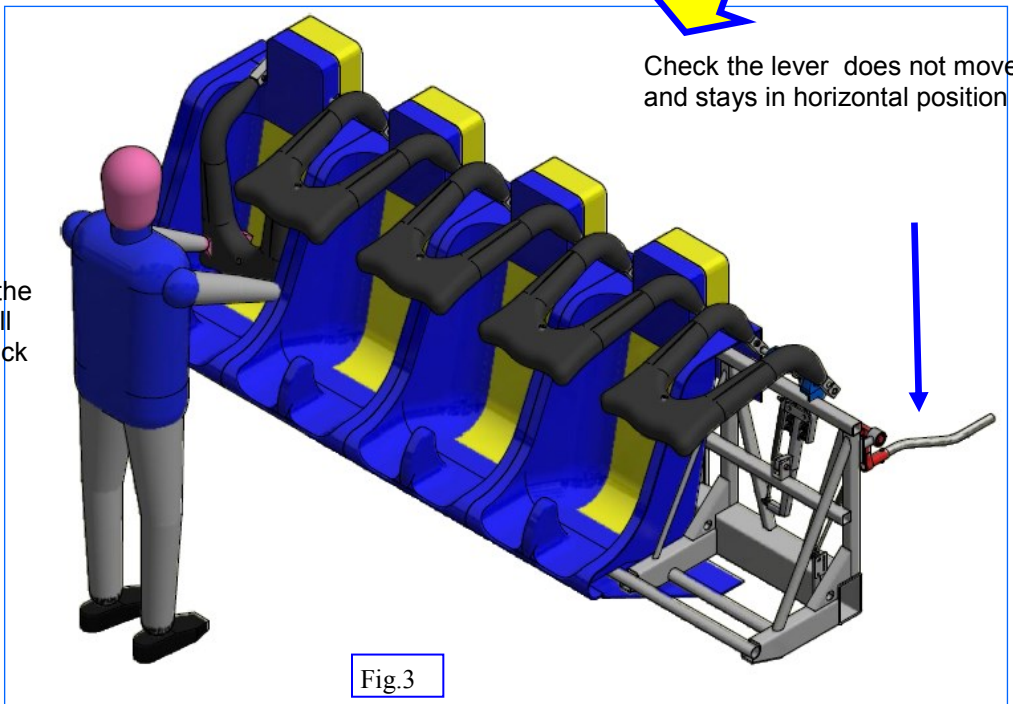
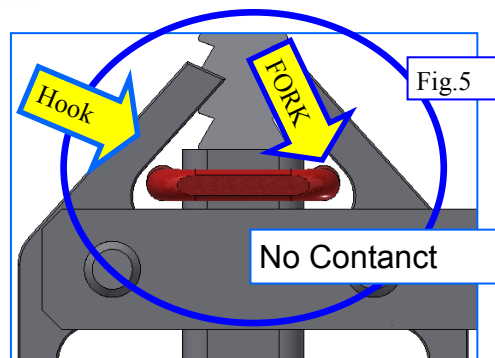
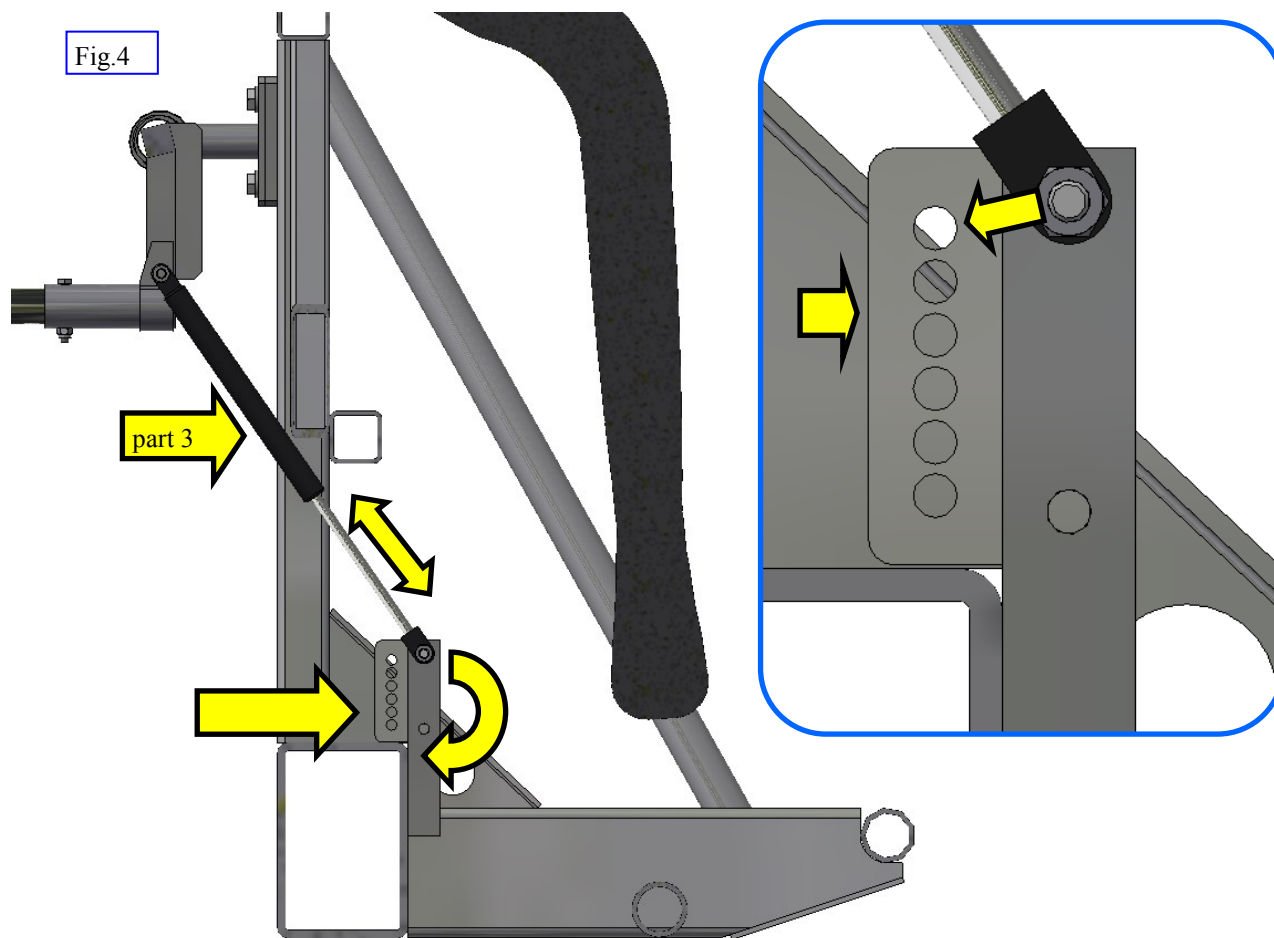


Fig.3

### 3- ADDITIONAL CHECK

**EVERY WEEK** Check with the harness release lever in the rest position, that the forks (red) are not in contact with the pawls, space must remain. (Fig 5) Check the correct position of the harness release lever gas spring with the correct position of forks and hooks as shown in the figure. (Fig 4 part 3 & Fig 5)

**MAINTENANCE** During replacement, check for the proper size of the harness release lever gas ram, and after replacement that no interference/contact between the fork and hook exists (Fig 5).





MOSER'S RIDES S.R.L.  
s.s. 12 Via Abetone Brennero Nord, 15/B  
46035 Ostiglia (MN) Ph.+39 0386 800001  
[moser@moserrides.com](mailto:moser@moserrides.com)

Bulletin No:SR003-2020 rev03

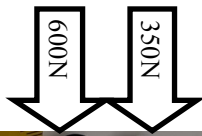
Release Date:25/01/2021

Effective Date:

Supersedes:

Completion Date:

Page: 5



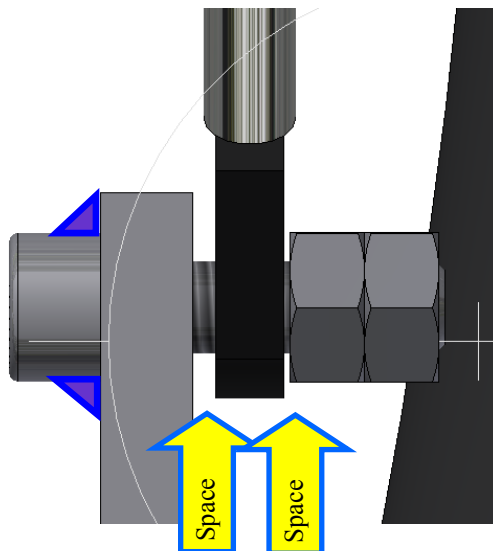
#### 4 - GAS SPRINGS SPECIFICATIONS



The length of the Harness Release lever Gas Spring Shall can be 385 mm eye to eye (N350).  
Or 365mm with the adaptive plate.

The length of the Harness Release Gas Spring shall be 365 mm eye to eye (N600).

If tolerances of gas ram manufacture cause install problems it can be installed an adaptive plate. (see instruction in the next page & fig 4 insert) with fastener.





MOSER'S RIDES S.R.L.  
 s.s. 12 Via Abetone Brennero Nord, 15/B  
 46035 Ostiglia (MN) Ph.+39 0386 800001

Bulletin No:SR003-2020 rev03

Release Date:25/01/2021

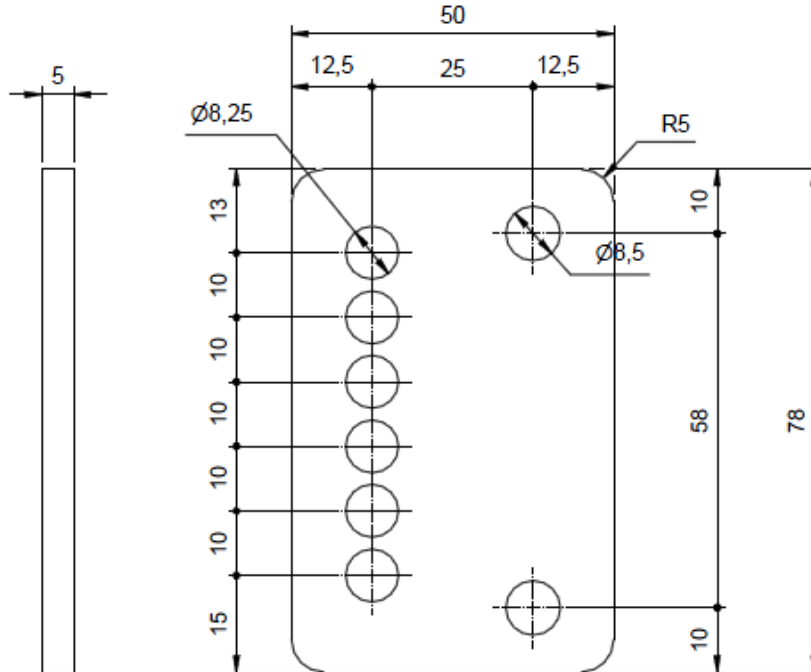
Effective Date:

Supersedes:

Completion Date:

NOTA : All the materials on draw mentioned must be of first quality and provided with the related certificates.EN10204-3.1

Adaptive Plate



**Laser Cut**

<b>MOSER'S RIDES</b> S.R.L. Manufacture, Distribution and Sales of Quality Amusement Rides Via A. Brennero 15B 46035 Ostiglia (MN) Italy Ph. +39-(0)386/800001 Ph. +39-(0)386/802099 www.moserrides.com E-Mail: moser@moserrides.com		Ride: SPRING RIDE		Pieces Number: 2	
		Title GAS SUPPORT		Description	
Drawings and design patents are Moser's Rides copyright. Any unauthorized use of this drawing or parts of it may be persecuted by law.		Material S275J0-EN10025		Rev	
Drawn R. MARTINELLI	Date 02/10/2020	Eng. Appr.	Size A4	Drawing Number <b>29-01-605-00</b>	
Checked	Date	Scale: 1 : 1	Weight: 0,135 kg	File Name: 29-01-605-00.ipt	
All dimensions are in mm (millimeters) unless otherwise noted					



MOSER'S RIDES S.R.L.  
s.s. 12 Via Abetone Brennero Nord, 15/B  
46035 Ostiglia (MN) Ph.+39 0386 800001  
[moser@moserrides.com](mailto:moser@moserrides.com)

Bulletin No:SR003-2020 rev03

Release Date:25/01/2021

Effective Date:

Supersedes:

Completion Date:

Page: 7

## 5- SECONDARY DEVICE

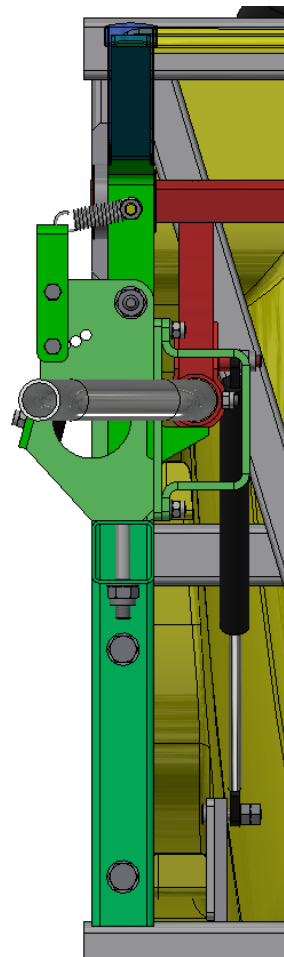
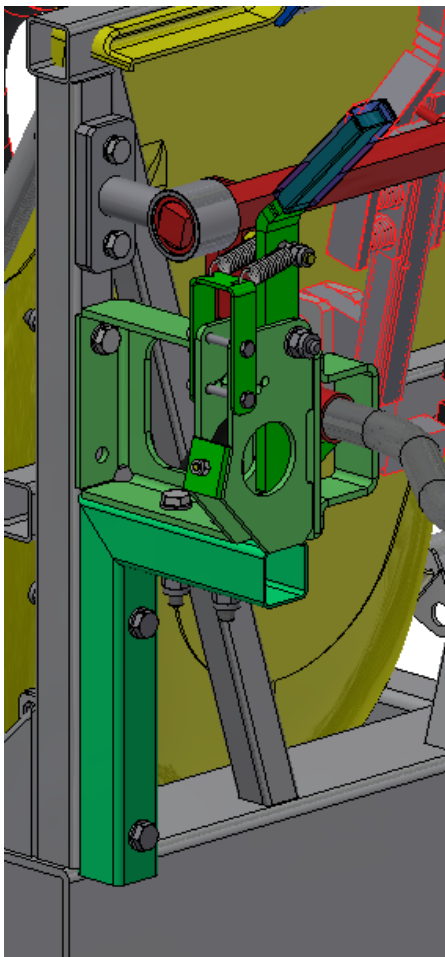
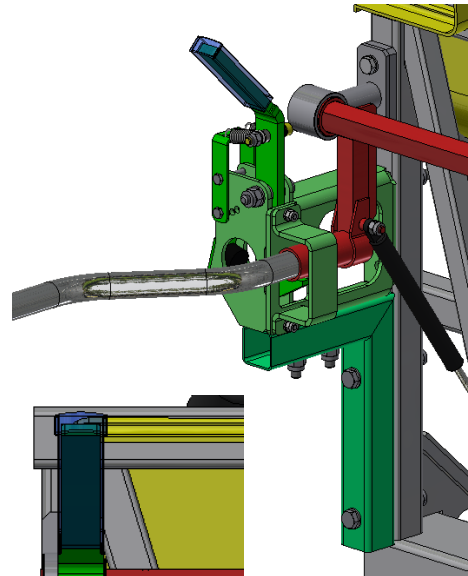
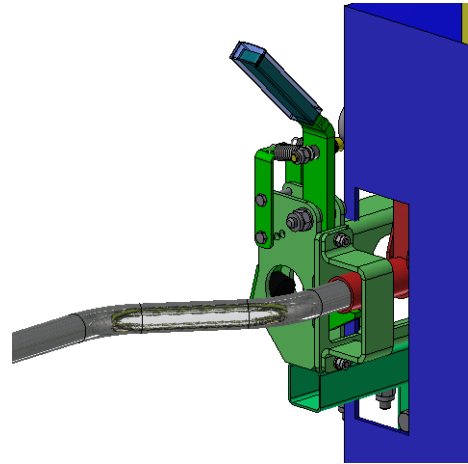
To improve the safety , a spring loaded secondary device to the restraint release lever can be installed. Example images attached.

This spring loaded secondary device application can be provided by Moser Rides with instructions for site instillation by maintenace teams.

Note the attached sketches are showing the concept and should not be taken as techncial drawings.

Please contact Moser Rides for details of this additional secondary modification.

Customers should also consult their inspec-tors in relation to any additional requirements.







MOSER'S RIDES S.R.L.  
s.s. 12 Via Abetone Brennero Nord, 15/B  
46035 Ostiglia (MN) Ph.+39 0386 800001  
[moser@moserrides.com](mailto:moser@moserrides.com)

Bulletin No:SR003-2020 rev03

Release Date:25/01/2021

Effective Date:

Supersedes:

Completion Date:

Page: 8

## 6- SEAT RESTRAINT STRAPS RECOMMENDATION

It is recommended that models of spring tower not fitted with restraint to gondola belts do so at the owners earliest convenience. Examble images attached.

This modification is to improve secutiy of the passenger.

Please contact Moser Rides for supply and instuctions for mounting of this modification by maintenance teams.

Customers should also consult their inspectors for any additonal requirements.

