

# Chapter 8

# Rear Wagon

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## 8.1 Introduction

The main component of the rear wagon is the rear frame, which is the base for the dumper body and the support for the rear axles.

The rear wagon is connected to the front wagon in the articulation bearing.

The tiltable dumper body is attached to the rear frame in the tilt bearing.

For work on the rear wagon drive line, ref. chapter 3

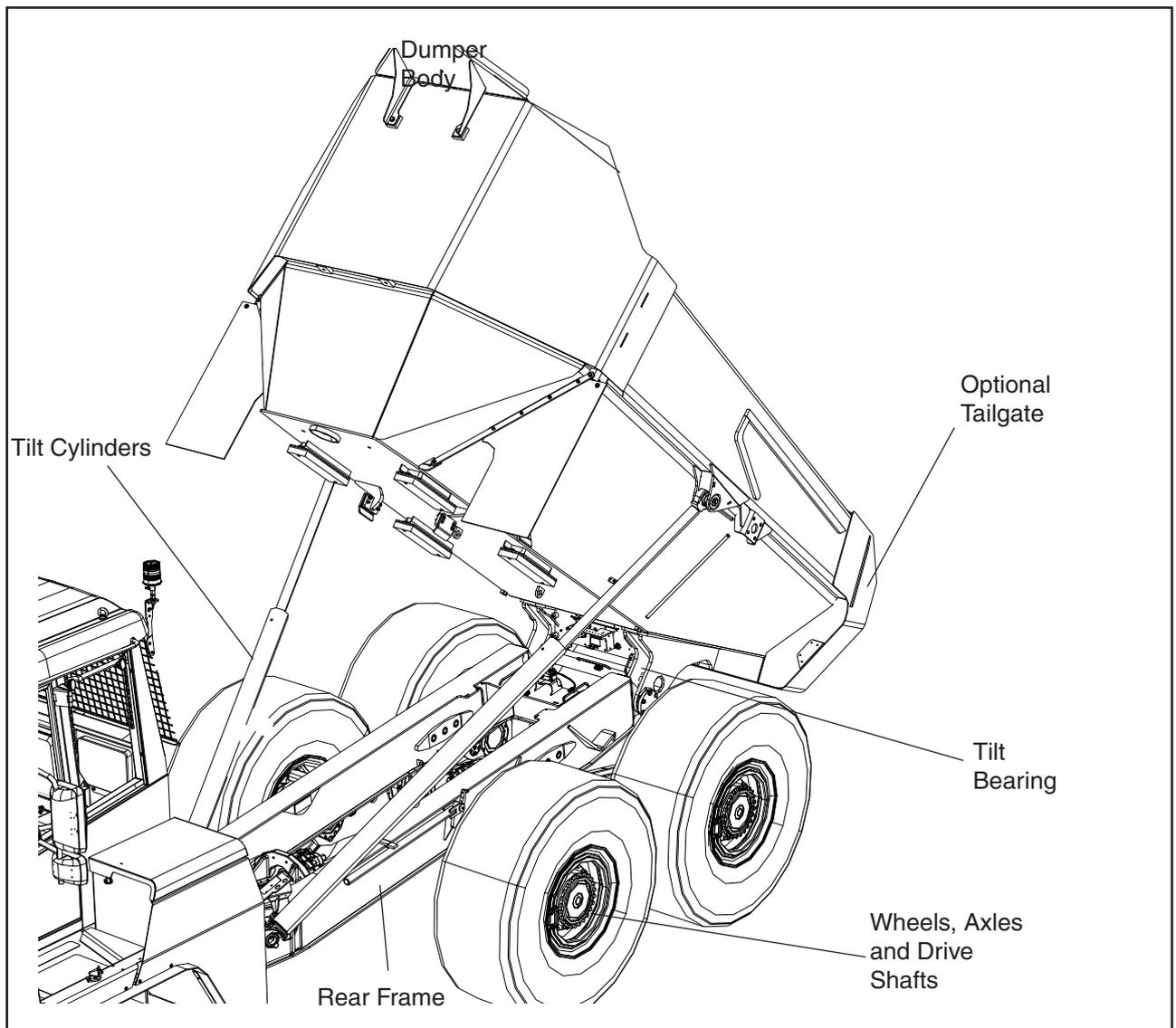


Figure 1

## 8.2 Dumper Body

### Dumper Body

Thoroughly clean the dumper body and tilt bearings for accumulated dirt.

To remove Dumber Body, remove the hydraulic tilt cylinders.

Hook the crane to the dumper body front lifting point, and lift the body to release the safety stand, and lower the body until resting on the rear frame.

Disconnect the tailgate operating chains, if equipped, by opening one shackle on each side.

Remove the lubrication lines on tilt bearings and tailgate arms.

Attach the lifting device in all three dumper body lifting points, and lift to release the weight on the tilt bearings.

Remove tilt bearing bolts.

Lift body aside and place on level ground, resting on wooden blocks, tilt bearing ears shall not touch the ground.



### WARNING

Be aware of the risk of injury to people and equipment when handling heavy objects!

#### Installation

Lift body over the rear frame, and position to align tilt bearings.

Attach tilt bearings.

Connect tailgate operating chains if equipped.

Hook the crane to the dumper body front lifting point, and lift the body to engage the safety stand.

Attach the hydraulic tilting cylinders.

#### Control

Check that all parts are located as before removal, and that all hoses are correctly routed.

Check hydraulic functions.

Check the tilt bearings.

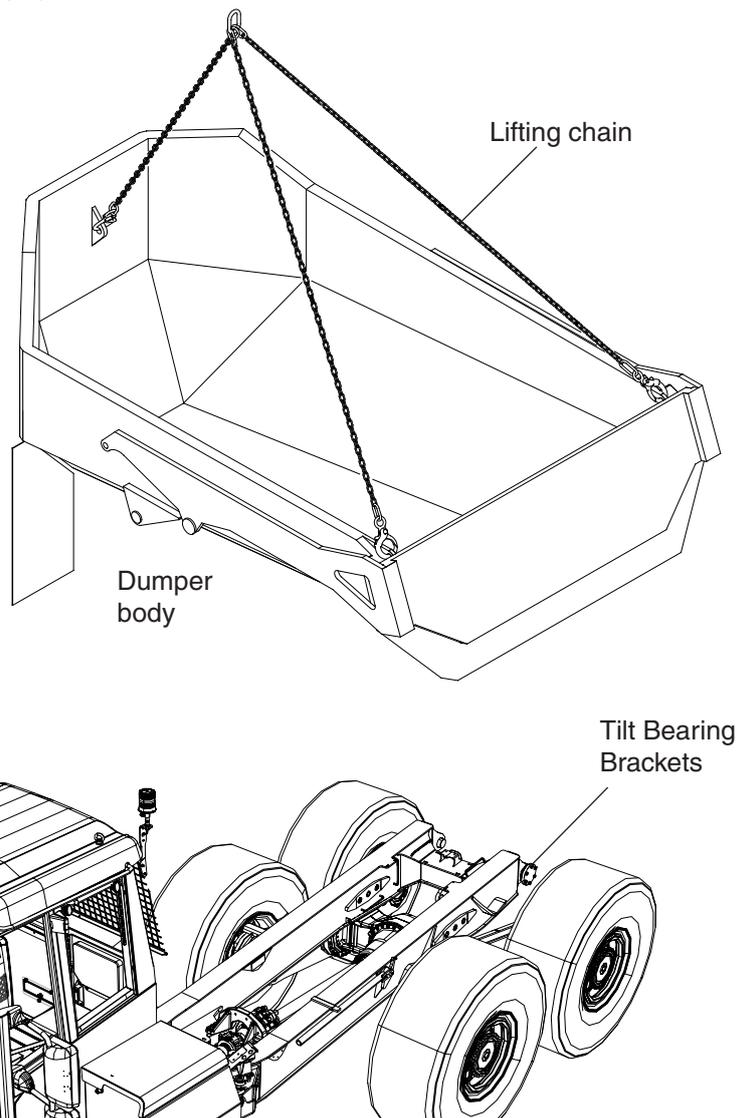


Figure 2

## Tilt Bearing

If tilt bearings only are going to be replaced it is not necessary to disconnect the tilt cylinders, tailgate operating chains, and remove the body.

Remove the six bolts securing each tilt bearing bolt to the dumper body..

Disconnect lubrication lines if equipped.

Lift by the two rear lifting points to release the weight of the dumper body, and drive the bolts out, using a soft dowel. Retrieve the thrust washers.

Lift clear, and place wooden blocks between body and rear frame.



### WARNING

**Be aware of the risk of injury to people and equipment when handling heavy objects!**

#### Installation

Check the condition of bolts, bushings, thrust washers and seals, renew if necessary.

Place, seal ring and thrust washer on bearing bolts, and position dust seals in rear frame.

Position dumper body to align the tilt bearings, and drive the bolts in, taking care to line up the holes for the securing screws.

Tighten securing screws and replace lubrication lines if equipped.

Lubricate the bearings by grease gun or lubrication system.

#### Control

Check that all parts are located as before removal, and that hoses are correctly routed.

Tilt dumper body, and check the operation of the tilt bearings.

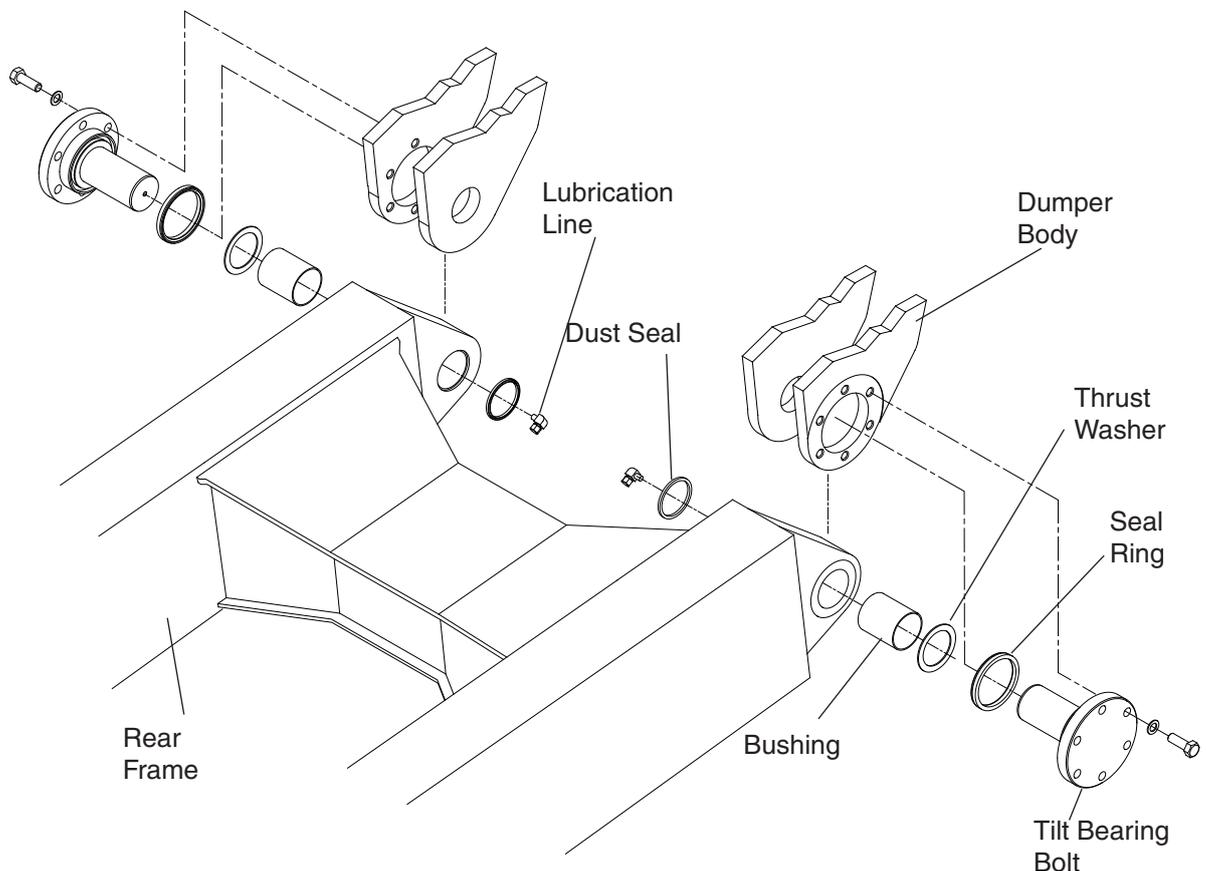


Figure 3  
Tilt Bearing

## 8.3 Remove rear axle from rear frame

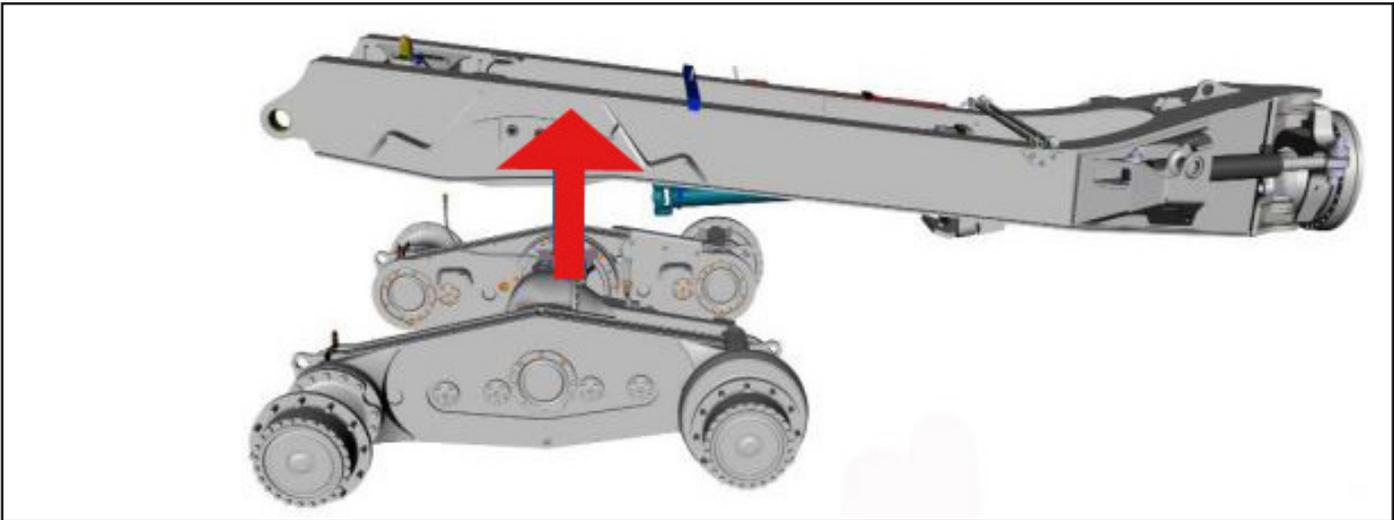


Figure 4



### WARNING

Be aware of personal injury.

- Remove the hoses from the tandemhousing and from the axelhousing.

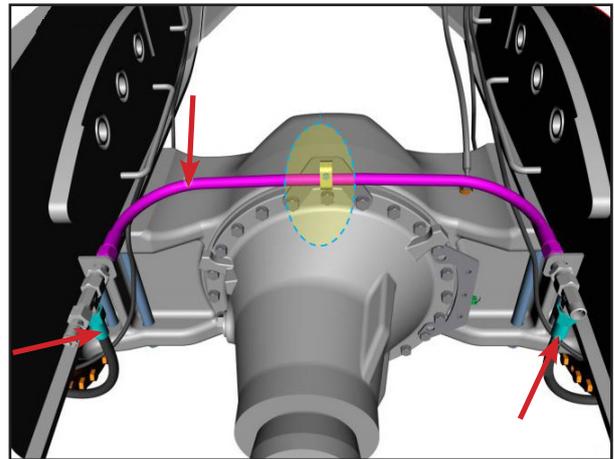


Figure 5

- Remove the 4 screws and detach the driveshaft from the rear axle.

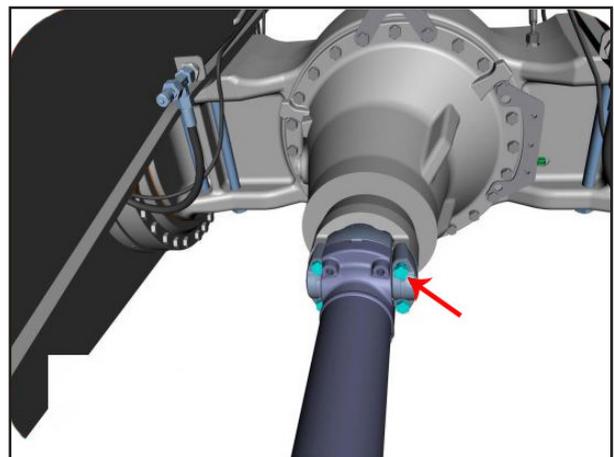


Figure 6

- Remove the 8x M24 x 380 screws. Now the rear axle can be detached and lifted up from the guid pin's.

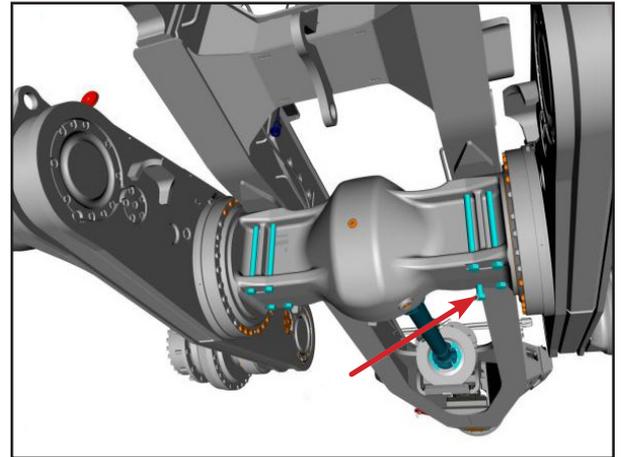


Figure 7

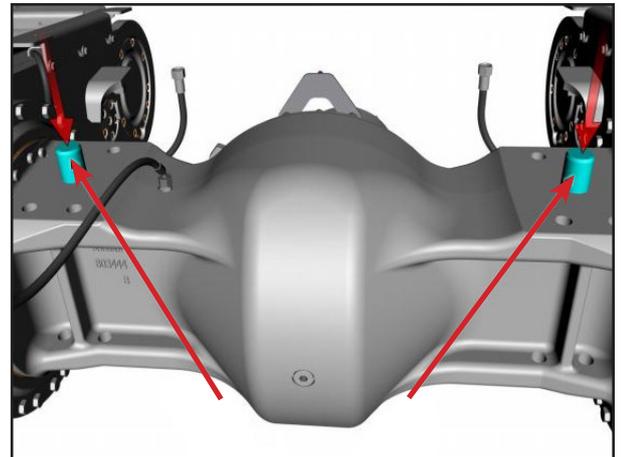


Figure 8

## 8.4 Body

### Overview of the dumper body

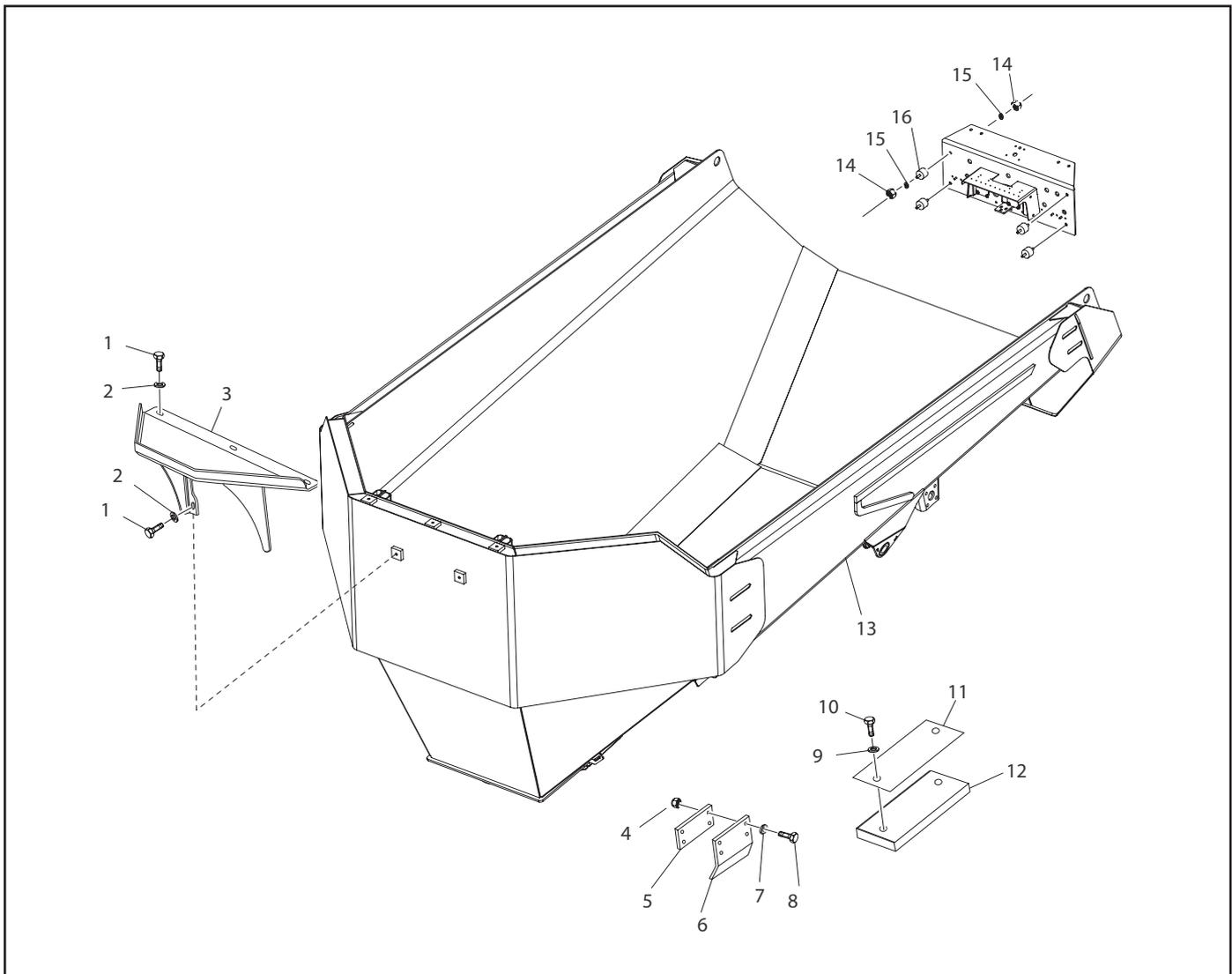


Figure 9

Position	Item	Position	Item
1	5x Screw	9	8x Washer
2	5x Washer	10	Screw
3	Cover	11	Shim
4	8x Nut	12	4x Rubber cushion
5	Shim	13	Body
6	2x Plate	14	8x Nut
7	8x Washer	15	8x Washer
8	Screw	16	4x Damper