

# **RSS+ 2M MUFFLER**

## **SERVICE INSTRUCTIONS**

**WABCO**



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## EN 1 General Information

### Symbols used in this document

#### **DANGER**

Description of an immediate situation which will result in irreversible injury or death if the warning is ignored.

#### **WARNING**

Description of a possible situation which may result in irreversible injury or death if the warning is ignored.

#### **CAUTION**

Description of a possible situation which may result in irreversible injury if the warning is ignored.

#### **NOTICE**

Description of a possible situation which may result in material damage if the warning is ignored.



Important information, notes and/or tips



Reference to information on the internet

#### 1. Action step

⇒ Consequence of an action

#### ■ List

 **Note on the use of a tool/WABCO tool**

### How to Obtain Additional Maintenance, Service and Product Information

Call the WABCO North America Customer Care Center at 855-228-3203. WABCO publications are also available on our website: [www.wabco-na.com](http://www.wabco-na.com).

Refer to MM0888, RSSplus™ Trailer ABS with Roll Stability Support: 2S/2M and 4S/2M, for additional information.

## WABCO Academy



<https://www.wabco-academy.com/home/>

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## WABCO online product catalog



<http://inform.wabco-auto.com/>

## Your direct contact to WABCO

WABCO North America  
WABCO USA LLC  
1220 Pacific Drive  
Auburn Hills, MI 48326  
Customer Care Center: (855) 228-3203

## EN 2 Safety Information

### Provisions for a safe work environment

- Only trained and qualified technicians may carry out work on the vehicle.
- Read this publication carefully.
- Follow all warnings, notices and instructions to avoid personal injury and property damage.
- Always abide by the vehicle manufacturer's specifications and instructions.
- Observe all accident regulations of the respective company as well as regional and national regulations.
- The workplace should be dry, sufficiently lit and ventilated.
- Use personal protective equipment if required (safety shoes, protective goggles, respiratory protection and ear protectors).

Read and observe all Danger, Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

#### **WARNING**

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

#### **WARNING**

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip or fall over. Serious personal injury and damage to components can result.

## 3 RSS+ 2M Muffler Service Guidelines

### 3.1 Inspection

RSS+ 2M mufflers should be inspected regularly when operating under conditions that could lead to contaminated mufflers. This includes, but is not limited to, winter conditions in regions that use road surface deicing chemicals.

To ensure proper RSS+ 2M unit function, it is also recommended that the driver verify brakes apply and release as part of their daily pre-trip inspection.

### 3.2 RSS+ 2M Muffler Removal, Cleaning and Installation

RSS+ 2M valve mufflers can be removed to be cleaned using following instructions. This process can be performed with the valve installed or removed from the vehicle. Mufflers can also be replaced using replacement part number S432 407 027 2 (kit comes with one muffler). Please see the following pages for removal and installation instructions.

#### CAUTION

Due to cold temperatures, it is possible to damage the plastic housing on the muffler during removal. Use caution to avoid damage.

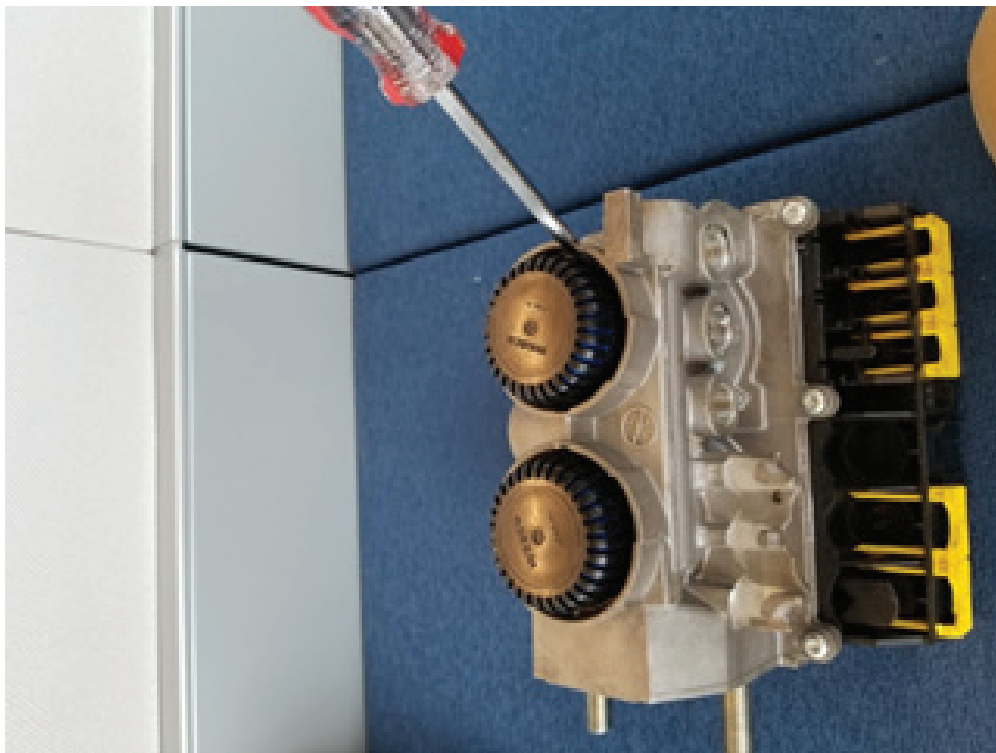
## Removal, Cleaning and Reinstallation Procedure

1. To remove the RSS+ 2M valve mufflers, use a suitable tool to pry up on the muffler locking clips as shown in Figure 1.

### CAUTION

Due to cold temperatures, it is possible to damage the plastic housing on the muffler during removal. Use caution to avoid damage.

Fig. 1



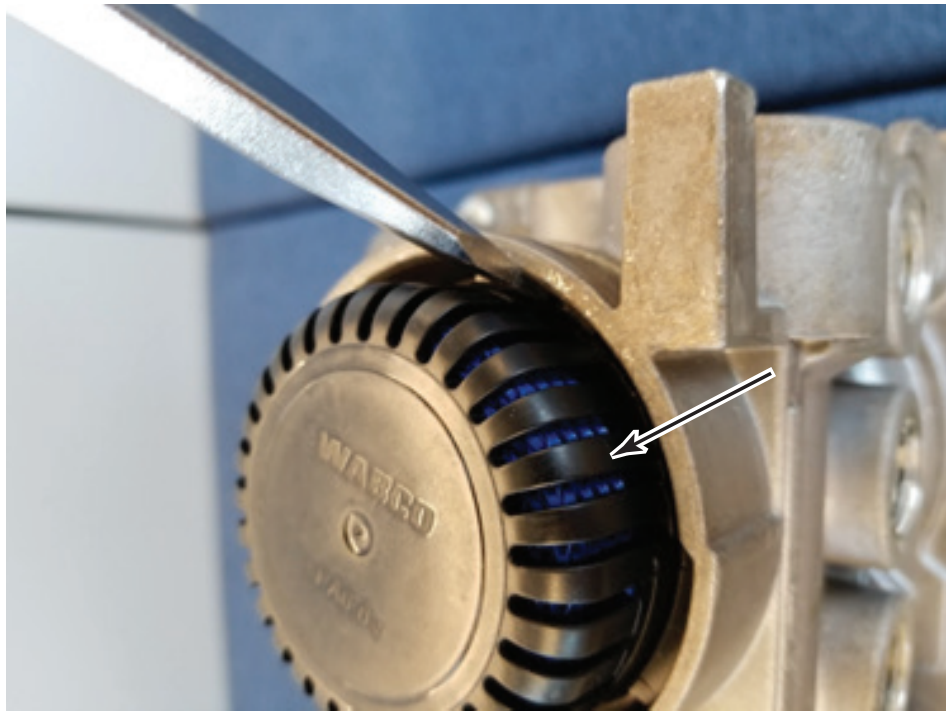
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2. There are four locking clips on the black plastic muffler housing. Notice that only two will be holding the muffler housing to the valve; the other two will be visible as shown in Figure 2.



# Removal, Cleaning and Reinstallation Procedure

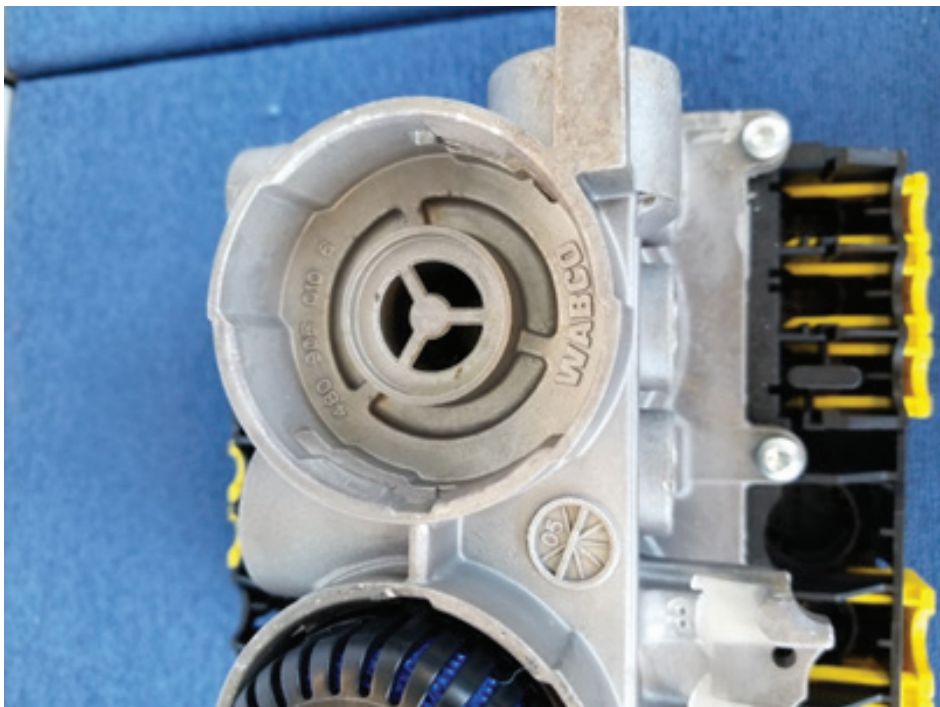
Fig. 2



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3. Once the muffer is removed, inspect the exhaust port on the RSS+ valve for a build up of road debris. If a build up of road debris is found, clean it off using water. Take care to prevent any excess water from entering the valve to prevent damage. Be sure to allow any water that may have entered time to drain.

Fig. 3



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# Removal, Cleaning and Reinstallation Procedure

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4. Inspect the blue muffler material inside of the muffler housing. If necessary, use water to clean the material. The material may also be removed for further cleaning.

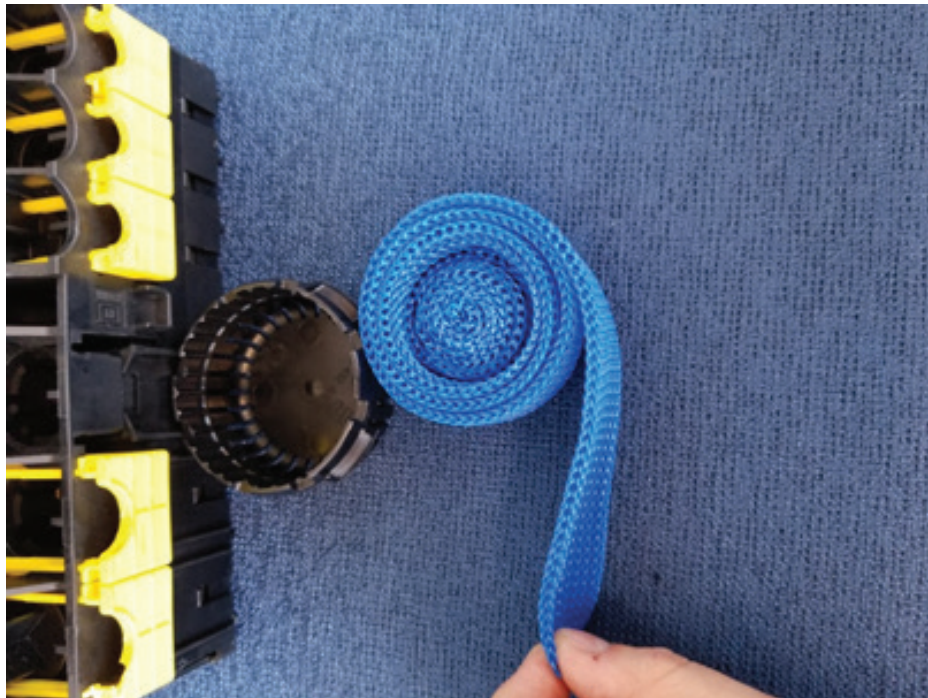
Fig. 4



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5. If further cleaning is necessary, remove the muffler material from the muffler housing and un-wrap it. Use water to clean it as needed then wrap it back up and reinstall it in the muffler housing.

Fig. 5



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6. To reinstall the muffler, simply push the muffler housing back on by hand until the locking clips engage and secure the muffler to the RSS+ valve.

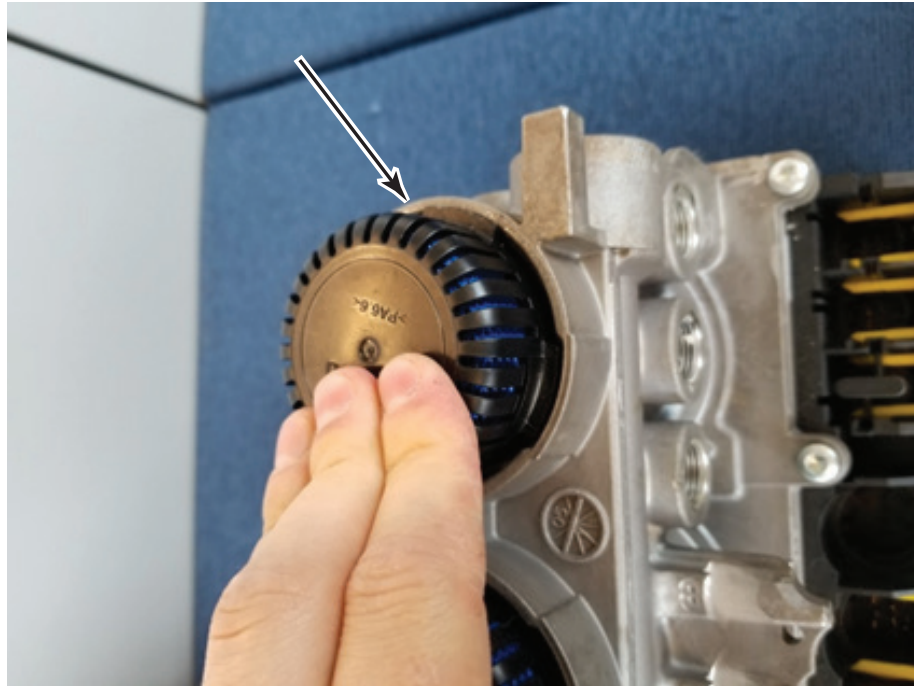
# Removal, Cleaning and Reinstallation Procedure

## CAUTION

Use only your hand to install the muffler on the housing. Do not use a hammer or other object to strike the muffler to force it on, or damage to the muffler housing can result.

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Fig. 6



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7. Check to ensure the muffler is fully seated and secured on the housing. When complete, return the unit to operation.

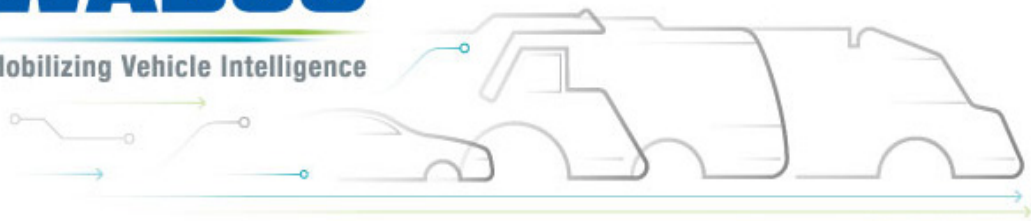
Fig. 7



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# WABCO

Mobilizing Vehicle Intelligence



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## About WABCO

WABCO (NYSE: WBC) is the leading global supplier of braking control systems and other advanced technologies that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO is powerfully “Mobilizing Vehicle Intelligence” to support the increasingly autonomous, connected and electric future of the commercial vehicle industry. WABCO continues to pioneer innovations to address key technology milestones in autonomous mobility and apply its extensive expertise to integrate the complex control and fail-safe systems required to efficiently and safely govern vehicle dynamics at every stage of a vehicle’s journey – on the highway, in the city and at the depot. Today, leading truck, bus and trailer brands worldwide rely on WABCO’s differentiating technologies. Powered by its vision for accident-free driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems and digital services that contribute to commercial fleet efficiency. In 2018, WABCO reported sales of over \$3.8 billion and has more than 16,000 employees in 40 countries. For more information, visit [www.wabco-na.com](http://www.wabco-na.com).



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