




## URGENT SERVICE INFORMATION

WABCO Wheel End Components Submerged in Salt and/or Contaminated Flood Waters due to Hurricanes Harvey & Irma.

### RISK OF OPERATIONAL ISSUE AS A RESULT OF INTERNAL CORROSION

This Service Information is being issued in the wake of Hurricanes Harvey & Irma. Fresh and salt water submersion of wheel end components may increase the risk for internal corrosion and operational issues. Salt water flooding elevates the potential for abnormal conditions due to its highly corrosive and conductive nature. Salt residues also continue to corrode and remain conductive even after the affected components and vehicle have dried.


 <b>WARNING</b>	<p><b>Potential Contact with Hazardous Substances from Flood Water</b></p> <p>The U.S. Environmental Protection Agency (EPA) warns that flood waters can be contaminated with hazardous substances. Contact can result in severe injuries or death.</p> <ul style="list-style-type: none"> <li>– <i>Take all appropriate precautions to minimize exposure including use of masks, safety glasses and gloves.</i></li> <li>– <i>Wash exposed skin thoroughly after any contact with flood damaged components.</i></li> <li>– <i>Visit <a href="http://www.epa.gov">www.epa.gov</a> for complete EPA recommendations regarding flood water safety.</i></li> </ul>
 <b>WARNING</b>	<p><b>Potential Rollaway of the Vehicle</b></p> <p>During repairs and/or inspection on the wheel end the vehicle must be parked on a level surface with wheels chocked to prevent rollaway. Rolling vehicles can cause severe injuries or death.</p> <ul style="list-style-type: none"> <li>– <i>Use only approved equipment for lifting and chocking of the vehicle.</i></li> <li>– <i>Refer to vehicle manufacturer specifications for proper procedures as needed.</i></li> </ul>
 <b>CAUTION</b>	<p><b>Potential Body Injury or Damage of the Wheels</b></p> <p>If the wheels are cleaned with pressurized air/water, there is a risk of damaging rubber components or bodily injury</p> <ul style="list-style-type: none"> <li>– <i>Do not clean the wheel end with pressurized air/water or other high pressure devices.</i></li> </ul>

### GENERAL INFORMATION

This service instruction provides the inspection procedure only for WABCO components.


Before starting the inspection the complete wheel end should be cleaned with an applicable cleaning solution to ensure that all contaminants are removed.

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 Before starting the vehicle, inspect complete braking system for possible water ingress according to vehicle manufacturer instruction.

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### COMPONENTS INSPECTION

	<p>This service instruction does not provide complete service information. For appropriate service instructions related to your product visit our website: <a href="http://www.inform.wabco-auto.com">www.inform.wabco-auto.com</a></p>
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## AIR DISC BRAKES

WABCO Air Disc Brakes are designed to be water tight to minimize the possibility of water ingress. However, components totally submerged into water should be inspected for possible water ingress and/or corrosion of internal parts.

- Remove the brake chamber from the brake caliper.
- Inspect via the interface for possible water ingress and/or corrosion of internal parts.

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**!** Ensure that no contaminants or moisture enters the brake when removing the brake chamber. If evidence of water, contamination and/or corrosion is found, the Air Disc Brake should be replaced.

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## BRAKE ROTOR

- Refer to rotor manufacturer documentation where applicable.
- Inspect the brake rotor for corrosion and damage caused by submersion.
- Remove any surface corrosion with a light emery cloth and clean all brake rotor surfaces.
- Ensure brake rotor ventilation channels (if applicable) are clear of any debris.
- Thoroughly clean the ABS tone wheel and remove any surface corrosion from the face of the tone wheel and the air gaps between teeth.

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**!** If rotor surface corrosion is too extensive and ventilation channels and tone wheel cannot be cleared, the rotor should be replaced.

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## BRAKE CHAMBER

- Check the air lines for possible water and/or mud ingress.
- If there is contamination, disconnect the air lines for cleaning (carefully remove the contamination/water with air pressure).
- If the contamination cannot be removed, replace the air lines.
- Remove and inspect the Brake chambers for possible contamination/water ingress through air pressure inlet port(s).
- If the Brake chambers are affected by contamination/water ingress, replace the Brake chambers.

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**!** In addition, WABCO DDSB brake chambers equipped with IBV should be inspected for possible contamination/water ingress through the protection cap (caging bolt). IBV brake chambers with contamination/water ingress into spring room should be replaced.

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## AUTOMATIC SLACK ADJUSTER

WABCO does not recommend that Automatic Slack Adjusters subjected to flood water submersion be returned to service.

- Replace the complete slack adjuster assembly.

## FINAL VEHICLE INSPECTION

- Check the complete braking system according to vehicle manufacturer instruction.

- Inspect the vehicle air supply system for water intrusion and repaired as needed.
  - ⇒ If the system is functioning properly, no leakage is observed, and all components have been inspected properly per manufacturer instructions, the vehicle may return to service.

## RE-EVALUATION AFTER RETURNING TO SERVICE

WABCO recommends that any inspected wheel end components that were returned to service after flood water inspection be re-evaluated 30 days after the vehicle has been returned to service. Components should be re-evaluated for contamination and tested for proper operation.

## WARRANTY INFORMATION

The inspection procedure presented in this document is intended to reduce, not eliminate, the risk of component failure as the result of flood water submersion. WABCO components damaged as the result of being partially or totally submerged in flood water is not considered a defect in material or workmanship, and will not be covered under warranty.

## DISCLAIMER

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