

USER GUIDE

Cleaning System for Electric Contact Surfaces

PASSENGER CARS



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1 Cleaning System for Electric Contact Surfaces

Oxidation and corrosion increase contact resistance on electric contact surfaces. Contact surfaces can be professionally cleaned with the cleaning system. After cleaning, the contact resistance is less, and the full electric current is once again available to the electric components (e.g., starter).

1.1 Components of the cleaning system

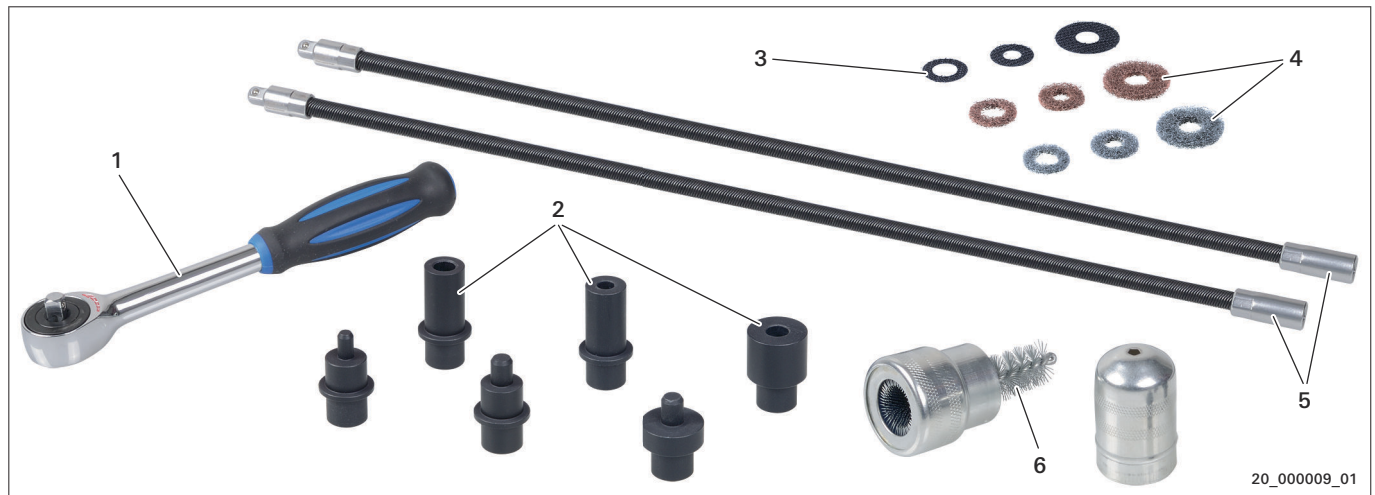


Fig. 1 Components of the cleaning system

- | | |
|---|---|
| 1 1/4" through-ratchet with rotary handle | 2 1/4" adapter |
| 3 Hook-and-loop pad (self-adhesive) | 4 Web ring |
| 5 1/4" extension (flexible) | 6 Battery contact cleaner with protective cover |

1.2 Assemble the cleaning tool

1. Select the appropriate adapter (2), hook-and-loop pad (3), and web ring (4).
2. Place the adapter (2) on the through-ratchet (1).
3. Bond the hook-and-loop pad (3) to the adapter (2).
4. Fasten the web ring (4) on the hook-and-loop pad (3).

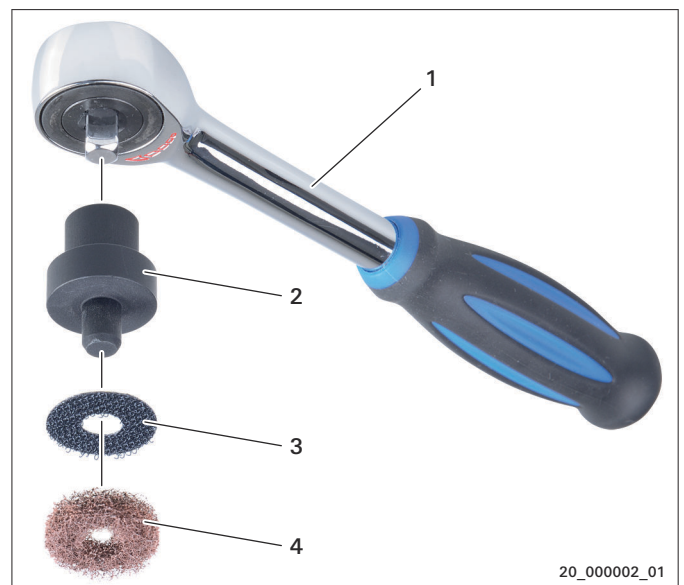


Fig. 2 Cleaning tool

1.3 Clean the electric contact surfaces

NOTICE

Coated surfaces may become damaged. If the electroplated protective layer becomes damaged, the metal corrodes and oxidizes. The electric resistance increases due to corrosion and oxidation.

- ⇒ Select the appropriate web ring depending on the surface coating, soiling, corrosion, and oxidation.
- ⇒ Carefully perform the cleaning process. If necessary, repeat the process several times and check the surface coating for damage in the meantime.

NOTICE

An incorrect tightening torque may damage the screw connection. Rust solvent, contact spray, grease, etc. reduce the static friction in the thread. The specified tightening torque is therefore exceeded when the screw connection is tightened.

- ⇒ Do **not** use rust solvent, contact spray, grease, etc.
- ⇒ Tighten screw connections to the specified tightening torque. Observe the vehicle manufacturer specifications.



- Use the gray web ring for lighter soiling and coated surfaces (e.g., cable eyes).
- Use the red web ring for heavier soiling and uncoated surfaces (e.g., grounding point to the body).

1.3.1 Clean the battery terminals and battery terminal clamps

Clean the battery terminals

1. Loosen the battery terminal clamp and remove it from the battery terminal (2). Observe the vehicle manufacturer specifications.
2. Check the battery terminals (2) for corrosion and soiling.
3. If necessary, clean the battery terminals (2) with the battery contact cleaner (1).

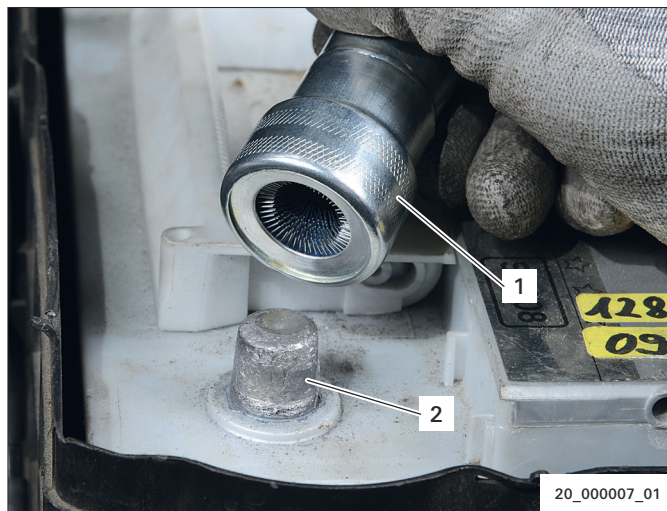


Fig. 3

Cleaning System for Electric Contact Surfaces

4. Keep cleaned battery terminals (1) dry and free of grease. Do **not** apply preservatives to the battery terminals (1).

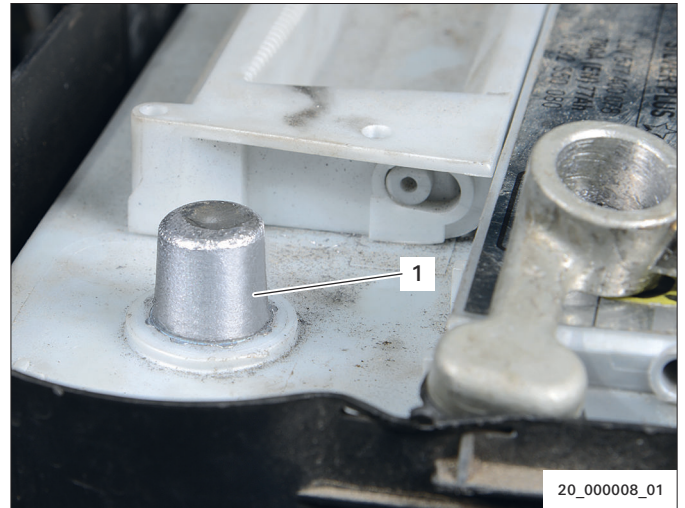


Fig. 4

Clean the battery terminal clamps

5. Check the battery terminal clamps (2) for corrosion and soiling.
6. If necessary, clean the battery terminal clamps (2) with the battery contact cleaner (1).

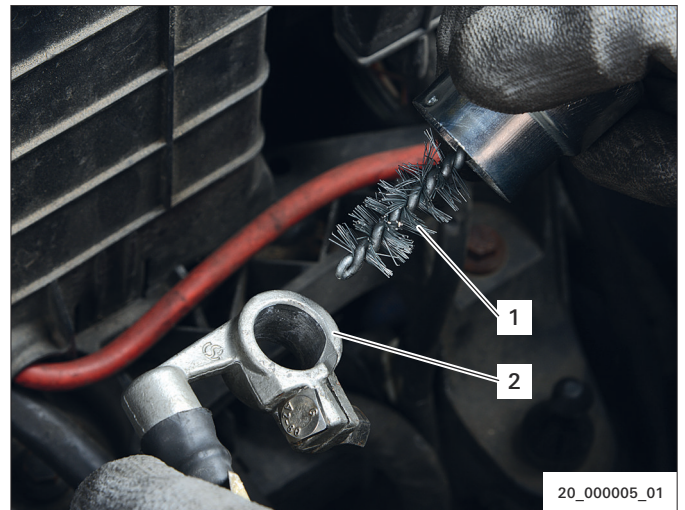


Fig. 5

7. Keep cleaned battery terminal clamps (1) dry and free of grease. Do **not** apply preservatives to the battery terminal clamps (1).



Fig. 6

1.3.2 Clean the electric contact surfaces

1. Loosen the screw connection of the electric contacts.
2. Check the electric contact surfaces (5) for corrosion, oxidation, and soiling.

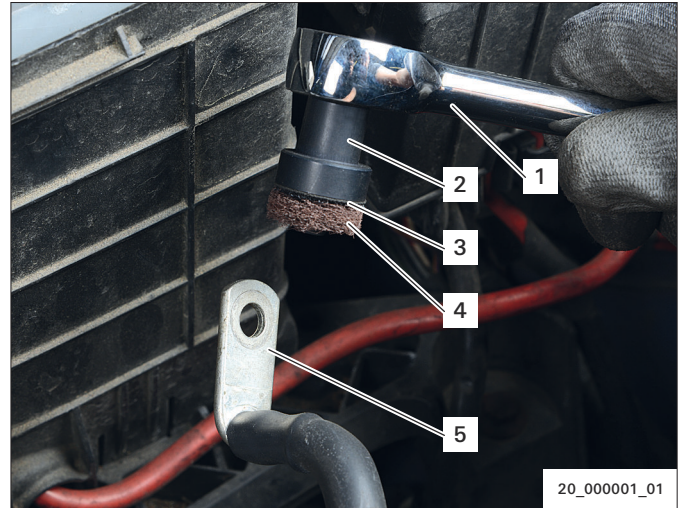


Fig. 7

3. If necessary, clean electric contact surfaces (5) with the appropriate adapter (2), hook-and-loop pad (3), and web ring (4).



- Use the gray web ring for lighter soiling and coated surfaces (e.g., cable eyes).
- Use the red web ring for heavier soiling and uncoated surfaces (e.g., grounding point to the body).

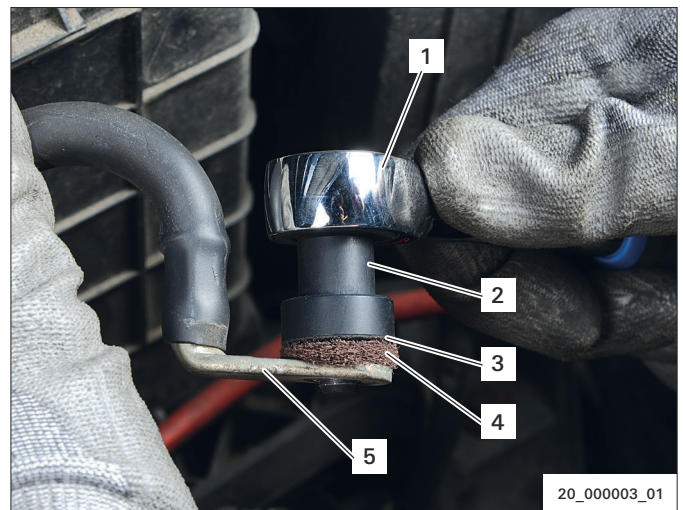


Fig. 8

4. Keep cleaned electric contact surfaces dry and free of grease.

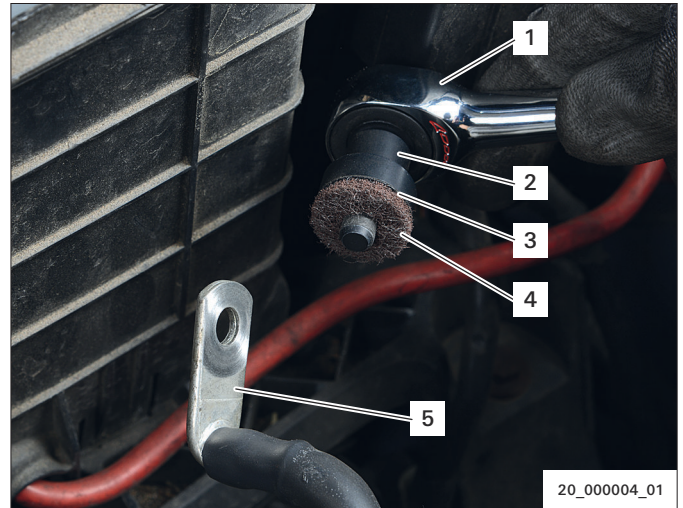


Fig. 9

5. Tighten the screw connection of the electric contact to the specified tightening torque. Observe the vehicle manufacturer specifications.
6. Apply a preservative to the screw connection of the electric contact.
7. Connect the battery terminal and tighten it to the specified tightening torque. Observe the vehicle manufacturer specifications.

1.3.3 Apply a preservative to the screw connections of the electric contacts

Applying a preservative to the screw connections of electric contacts prevents oxidation and corrosion.

Requirements:

- Electric contacts are not damaged.
 - Electric contacts are clean and dry.
1. Tighten the screw connections to the specified tightening torque. Observe the vehicle manufacturer specifications.
 2. Select the preservative.
 3. Spray the preservative all around the screw connection of the electric contact.
-  **Preservative**
- Contact points with normal temperatures (e.g., body): Use a preservative that is approved for the temperature range. Observe the vehicle manufacturer specifications.
 - Contact points with high temperatures (e.g., engine, transmission, etc.): Use a preservative that is approved for the temperature range. Observe the vehicle manufacturer specifications.
 - Due to capillary action, the preservative also reaches the cavities of the screw connection.

1.4 Spare parts and consumables

If spare parts and consumables are required, they can be ordered directly from the manufacturer of the cleaning system.

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Technolit item no.	Item	Quantity	Packaging unit
701 640	Cleaning system case	1	Unit(s)
701 640 01	¼" adapter (short) for 22-x-8-mm hook-and-loop pad	1	Unit(s)
701 640 02	¼" adapter (short) for 15-x-6-mm hook-and-loop pad	1	Unit(s)
701 640 03	¼" adapter (short) for 15-x-8-mm hook-and-loop pad	1	Unit(s)
701 640 04	¼" adapter (short) for 22-x-8-mm hook-and-loop pad	1	Unit(s)
701 640 05	¼" adapter (long) for 15-x-6-mm hook-and-loop pad	1	Unit(s)
701 640 06	¼" adapter (long) for 15-x-8-mm hook-and-loop pad	1	Unit(s)
701 640 07	Flexible ¼" extension	2	Unit(s)
701 640 08	¼" through-ratchet with rotary handle	1	Unit(s)
701 640 09	Battery contact cleaner with protective cover	1	Unit(s)
701 640 10	Hook-and-loop pad, 15 x 6 mm	50	Bag
701 640 11	Hook-and-loop pad, 15 x 8 mm	50	Bag
701 640 12	Hook-and-loop pad, 22 x 8 mm	50	Bag
701 640 13	Web ring (red), 22 x 8 mm	150	Bag
701 640 14	Web ring (gray), 15 x 8 mm	150	Bag
701 640 15	Web ring (gray), 15 x 6 mm	150	Bag
701 640 16	Web ring (red), 15 x 6 mm	150	Bag
701 640 17	Web ring (gray), 22 x 8 mm	150	Bag
701 640 18	Web ring (red), 15 x 8 mm	150	Bag

Tab. 1 Parts list



Fig. 10

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