

SPARTAN MOTORS CHASSIS, INC.



TSB10-110-001

April, 2010

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TECHNICAL SERVICE BULLETIN

SUBJECT: Cab Doors - Chrome Exterior Door Handle

APPLIES TO: Certain Spartan Motors Chassis Inc, Firetruck Cab/Chassis produced with Chrome Door Handles having a VDM (Vehicle Date of Manufacture) May 01, 2006 through September 01, 2008.

CONDITION: Chrome finish flaking off handles

PLEASE READ THE ENTIRE BULLETIN BEFORE PROCEEDING WITH ANY WORK. CONTACT SPARTAN CHASSIS IF THERE ARE ANY CONCERNS WITH THE PROCEDURES CONTAINED IN THIS DOCUMENT.

PART / SERVICE INFORMATION:

**Labor Time: 1.00 Hr. Per Handle
0.25 Hr. Per Truck for Gasket Install**

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	S-2236-001	Kit- Ext Door Handle Replacement Chrome
1	S-2236-002	Kit- Ext Door Handle Replacement Chrome
1	S-2236-003	Kit- Ext Door Handle Replacement Chrome
1	S-2236-004	Kit- Ext Door Handle Replacement Chrome

Kit # S-2236-001 Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	0630-EE3-001	Assembly RealWheels Chrome Plate
2	0202-BB1-015	Screw-M06-1.0 x 20MM Pan Head Torq Dr.
2	0202-BB1-017	Screw-M06-1.0 x 16MM Pan Head Torq. Dr.
3	RW204-1RS-S0101	Rubber Gasket
1	TSB10-110-001	Document Instructions

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.

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Kit # S-2236-002 Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
2	0630-EE3-001	Assembly RealWheels Chrome Plate
4	0202-BB1-015	Screw-M06-1.0 x 20MM Pan Head Torq Dr.
4	0202-BB1-017	Screw-M06-1.0 x 16MM Pan Head Torq. Dr.
2	RW204-1RS-S0101	Rubber Gasket
1	TSB10-110-001	Document Instructions

Kit # S-2236-003 Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
3	0630-EE3-001	Assembly RealWheels Chrome Plate
6	0202-BB1-015	Screw-M06-1.0 x 20MM Pan Head Torq Dr.
6	0202-BB1-017	Screw-M06-1.0 x 16MM Pan Head Torq. Dr.
1	RW204-1RS-S0101	Rubber Gasket
1	TSB10-110-001	Document Instructions

Kit # S-2236-004 Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
4	0630-EE3-001	Assembly RealWheels Chrome Plate
8	0202-BB1-015	Screw-M06-1.0 x 20MM Pan Head Torq Dr.
8	0202-BB1-017	Screw-M06-1.0 x 16MM Pan Head Torq. Dr.
1	TSB10-110-001	Document Instructions

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards, disconnect any necessary power source, and secure vehicle for installing exterior door handle(s).

CHROME HANDLE INSTALLATION

2. Window **must** be in the lowered position before disassembling.

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3. If **applicable** remove window crank. Retain window crank and screw for reuse.

4. Loosen screws retaining door panel. Retain all hardware for reuse

NOTE: Depending on door panel style the number of fastening screws may vary.

5. If **applicable** remove all screws from the ABS door trim panel that secure it to the inner door trim panel support. Retain all hardware and panels for reuse.

NOTE: DO NOT let door open to the full extent as paint damage may occur.

6. Remove (5) 1/4-20 bolts and washers that attach the door check strap to the door. Retain bolts and washers for reuse.

7. Lift the door panel approximately 2 inches and pull the door panel away from the inner door trim panel support.

8. If **applicable** remove the aluminum inner panel (ABS door panels only).

9. Reach behind door panel and detach 2 locking rods from door panel.

10. The door trim panel support is free from the door and the window regulator pivot point is still in the window glass channel. Lift the door trim panel support, slightly away from the window glass so that you can see behind the door trim panel support.

11. Slide the regulator arm pivot point to the end of the channel slot that allows the regulator to become free from the window glass channel.

12. If **applicable** disconnect power window and power lock connectors.

13. Remove the door trim panel support from the door assembly.

14. Raise window glass and support so it does not fall.

15. Remove (4) screws from chrome handle and remove door handle. Retain door handles for return to Spartan Chassis Inc.,.

NOTE: Chrome door handles must be returned to Spartan Chassis, Inc.

16. Install new chrome door handle, using new hardware provided in kit. Torque screws to 45 lbs. in.

17. Lower window glass.

18. Slide the regulator arm pivot point back into the window glass channel slot.

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19. If **applicable** reconnect power window and power lock connectors.

20. If **applicable** install the aluminum inner panel (ABS door panels only).

21. Reinstall door trim panel support(s).

NOTE: Depending on door panel style the number of fastening screws may vary.

22. Reinstall the door trim panel to the door trim panel support, reusing 10-32 screws. Secure as needed.

23. Reinstall the door check strap to the door trim panel, reusing (5) ¼"-20 bolts and washers retained from previous steps.

NOTE: With door in the fully opened position check door clearance. Ensuring no contact is made between door and cab, adjust door check strap as needed.

24. Reinstall window crank to the window regulator crank stem, using 10-32 screw. Secure as needed.

25. Cycle window 3-4 times to verify that there are no visual or audible problems with the assembly. For further instructions contact Spartan Chassis Customer Service.

26. Check door handle to ensure it functions correctly.

27. All fasteners to be fully driven, seated, not stripped, and torqued (if specified) to the proper values.

28. Repeat steps for remaining handles.

NOTE: If not replacing all chrome door handles follow RUBBER GASKET INSTALLATION for remaining chrome door handles.

RUBBER GASKET INSTALLATION

1. Begin by cleaning the area where the rubber gasket will be applied. Lift the handle and use a clean towel with a non-residue cleaner such as Windex® to thoroughly clean the area where the gasket will be applied.

2. Refer to FIG. 5-1. Before peeling the backing, be sure to test fit the gasket to see how it will line up with the base of handle. Then remove white backing from rubber gasket.

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3. Refer to FIG. 5-2. Lift grip portion of handle and place one end of rubber gasket at the end of base as shown. Make sure strip lays straight and flat across the rest of base. Do not stretch gasket during installation. Press firmly for 30-60 seconds to allow for proper adhesion.
4. Refer to FIG. 5-2. This is what gasket should look like once it has been installed with handle in the open position.
5. Refer to FIG. 5-3. Here is what the finished product looks like with the handle in the closed position. Repeat steps 1-5 on the remaining handles and you are finished!
6. Reconnect any power source previously disconnected.



GASKET INSTALLATION
FIG. 5-1



GASKET INSTALLATION
FIG. 5-2



FINISHED PRODUCT
FIG. 5-3

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