DIVERSIFIED METAL FABRICATORS, INC.

509009 00-08 GM C/K25HD WHEEL ADAPTER KIT



August 2008

SERIAL NUMBER (FRONT)	
SERIAL NUMBER (REAR)	

NOTE:

Please refer to the serial numbers when ordering parts or inquiring about warranty items.

GM Wheel Adapter Kit

Description

Diversified Metal Fabricator's 509009 Wheel Adapter Kit allows for the use of factory Accuride rims on '00-'08 GM 25HD, 3500 SRW, and 2500 Suburban vehicles for use on rail.

Kit Contents

Spacer Kit w/ wheel (509009)

(5)	28680	Accuride Rim 19.5x6-3/4
(4)	10822	Wheel Adapter
(2)	551002	3/16 Spacer (REAR ONLY)
(32)	10826	M20 Split Flange Lug Nut

Spacer Kit w/o wheels (509014)

(4)	10822	Wheel Adapter
(2)	551002	3/16 Spacer (REAR ONLY)
(32)	10826	M20 Split Flange Lug Nut

Tires

DMF has tested and recommends the following tires for this application:

Mud/Snow/All position

Goodyear G124	245/70R19.5
Michelin XDF M/S	245/70R19.5

Steer/Highway

Goodyear G647 245/70R19.5

Other tires may be suitable but the customer must verify that the tread width is sufficient to ensure rail coverage.

Lug-Nut Torque

Vehicle Hub to Adapter (14mm)	140 ft-lbs
Adapter to Accuride Rim (20mm)	250+ ft-lbs

Tire Pressure

Tires should be set according to the tire manufacturer's load charts based on axle loads. Typically this runs from 75-100 PSI. Ride and tire wear may be improved by avoiding excessive pressures but low pressures are not safe.

Installation

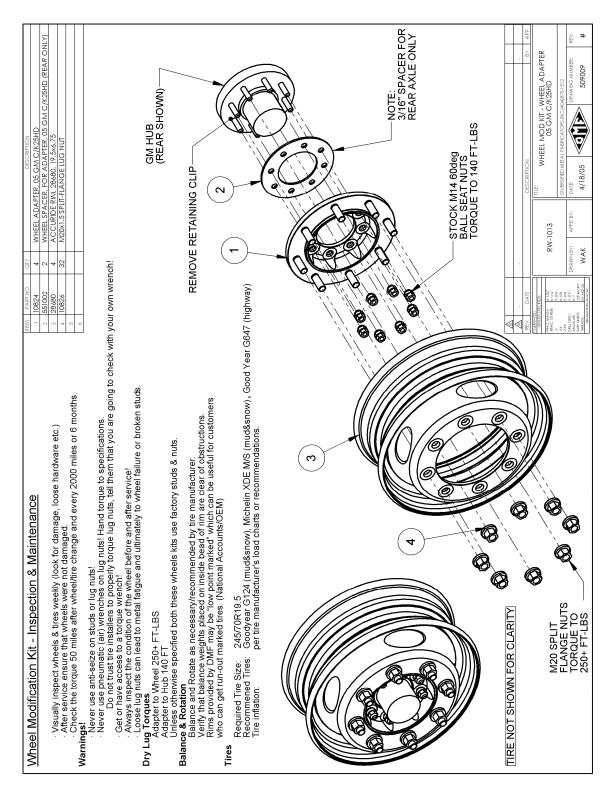


Figure 1: Wheel Adapter Assembly

Remove Stock Wheels & Tires

- 1. The tires must be mounted and balanced on the Accuride rims.
- 2. The vehicle should be lifted and properly supported.
- 3. The stock wheels and tires are removed and the stock lug nuts are retained

Install Steering Stops

- 4. Remove "Lower Kingpin Nut" from each side
- 5. Install Steering Stop as shown on each side using provided HNM16 Type C nut.
- 6. Move Steering from Lock to Lock and verify that Steering Stop is contacting stop surfaces.

Install Adapters, Wheels & Tires

- 7. (2) Retaining clips per hub (shown in fig 2) are removed and discarded
- 8. (4) Wheel Adapters are mounted using stock lug nuts. 3/16" spacers are used on rear axle only. Torque as specified above.
- 9. (4) Accuride Rims with tires are mounted to the Wheel Adapter using the provided M20 Split Flange Nuts. Torque as specified above.

Test and Verify Steering Stops

- 10. Verify that the rims do not contact the Upper A-Arms in any steering position, in normal suspension position and full suspension droop.
- 11. If clearance is excessive (+1/2"), the Steering Stops can be carefully ground to provide maximum steering angle.
- 12. Verify that all brake, ABS sensor and other wires or hoses are clear in all steering and suspension positions. Restrain if necessary.

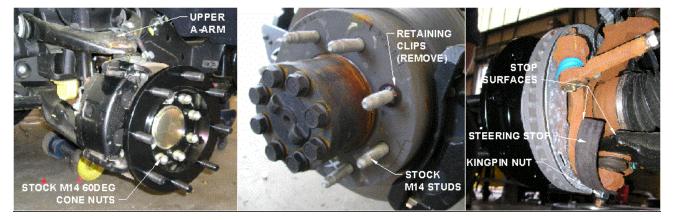


Figure 2: Wheel Adapter Details

Inspection & Maintenance

- Visually inspect wheels & tires weekly (look for damage, loose hardware etc.)
- After service ensure that wheels were not damaged.
- Check the torque 50 miles after wheel/tire change and every 2000 miles or 6 months. See Lug-Nut Torque on page 2.

Warnings!

- Never use anti-seize on studs or lug nuts!
- Never use pneumatic (air) wrenches on lug nuts! Hand torque to specifications. Do not trust tire installers to properly torque lug nuts, tell them that you are going to check with your own wrench!
- Get or have access to a torque wrench!
- Always inspect the condition of the wheel before and after service!
- Loose lug nuts can lead to metal fatigue and ultimately to wheel failure or broken studs.

Balance & Rotation

Balance and Rotate as necessary/recommended by tire manufacturer. Verify that balance weights placed on inside bead of rim are clear of obstructions.