BUSINESS CLASS M2 WORKSHOP MANUAL

Models: M2 100
     M2 106
     M2 106V
     M2 112
     M2 112V
Foreword
The purpose of this manual is to assist the service technician when the vehicle is serviced. Major drivetrain component service information is not included in this manual, but is located in each manufacturer’s service manual.
Instructions and procedures are those recommended by Freightliner Trucks or the component manufacturer.
Maintenance schedules and additional service information are included in the Business Class® M2 Maintenance Manual.

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Refer to www.Daimler-TrucksNorthAmerica.com and www.FreightlinerTrucks.com for more information, or contact Daimler Trucks North America LLC at the address below.

Environmental Concerns and Recommendations
Whenever you see instructions in this manual to discard materials, you should attempt to reclaim and recycle them. To preserve our environment, follow appropriate environmental rules and regulations when disposing of materials.

NOTICE: Parts Replacement Considerations
Do not replace suspension, axle, or steering parts (such as springs, wheels, hubs, and steering gears) with used parts. Used parts may have been subjected to collisions or improper use and have undetected structural damage.

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Daimler Trucks North America LLC distributes the following major service publications in paper and electronic (via ServicePro®) formats.

**Workshop/Service Manual**
Workshop/service manuals contain service and repair information for all vehicle systems and components, except for major components such as engines, transmissions, and rear axles. Each workshop/service manual section is divided into subjects that can include general information, principles of operation, removal, disassembly, assembly, installation, specifications, and troubleshooting.

**Maintenance Manual**
Maintenance manuals contain routine maintenance procedures and intervals for vehicle components and systems. They have information such as lubrication procedures and tables, fluid replacement procedures, fluid capacities, specifications, and procedures for adjustments and for checking the tightness of fasteners. Maintenance manuals do not contain detailed repair or service information.

**Driver’s/Operator’s Manual**
Driver’s/operator’s manuals contain information needed to enhance the driver’s understanding of how to operate and care for the vehicle and its components. Each manual contains a chapter that covers pretrip and post-trip inspections, and daily, weekly, and monthly maintenance of vehicle components. Driver’s/operator’s manuals do not contain detailed repair or service information.

**Service Bulletins**
Service bulletins provide the latest service tips, field repairs, product improvements, and related information. Some service bulletins are updates to information in the workshop/service manual. These bulletins take precedence over workshop/service manual information, until the latter is updated; at that time, the bulletin is usually canceled. The service bulletins manual is available only to dealers. When doing service work on a vehicle system or part, check for a valid service bulletin for the latest information on the subject.

**Parts Technical Bulletins**
Parts technical bulletins provide information on parts. These bulletins contain lists of parts and BOMs needed to do replacement and upgrade procedures.

Web-based repair, service, and parts documentation can be accessed using the following applications on the AccessFreightliner.com website.

**ServicePro**
ServicePro® provides Web-based access to the most up-to-date versions of the publications listed above. In addition, the Service Solutions feature provides diagnostic assistance with Symptoms Search, by connecting to a large knowledge base gathered from technicians and service personnel. Search results for both documents and service solutions can be narrowed by initially entering vehicle identification data.

**PartsPro**
PartsPro® is an electronic parts catalog system, showing the specified vehicle’s build record.

**EZWiring**
EZWiring™ makes Freightliner, Sterling, Western Star, Thomas Built Buses, and Freightliner Custom Chassis Corporation products’ wiring drawings and floating pin lists available online for viewing and printing. EZWiring can also be accessed from within PartsPro.
Warranty-related service information available on the AccessFreightliner.com website includes the following documentation.

**Recall Campaigns**
Recall campaigns cover situations that involve service work or replacement of parts in connection with a recall notice. These campaigns pertain to matters of vehicle safety. All recall campaigns are distributed to dealers; customers receive notices that apply to their vehicles.

**Field Service Campaigns**
Field service campaigns are concerned with non-safety-related service work or replacement of parts. All field service campaigns are distributed to dealers; customers receive notices that apply to their vehicles.
Introduction

Page Description

For an example of a Business Class M2 Workshop Manual page, see Fig. 1.

Threaded Fasteners

Fastener Replacement

When replacing fasteners, use only threaded bolts, nuts, and washers. Wear personal protective equipment when necessary. Use an appropriate wrench to loosen the fasteners before removing them. Use an impact wrench to tighten the fasteners after installation. Use a new washer and nut whenever possible. Use lubrication to prevent corrosion and damage to the fasteners. Do not exceed the torque limits specified in the manual, as overtightening can cause damage to the fasteners.

Fastener Tightening

Do not overtighten the fasteners. Over tightening can cause damage to the fasteners and the parts they are securing. Use the torque wrench to tighten the fasteners to the torque specified in the manual. Do not exceed the torque limits specified in the manual, as overtightening can cause damage to the fasteners.

Fastener Selection and Installation

When selecting fasteners, choose those that are appropriate for the application. Use high-quality fasteners to ensure durability and performance. Use thread locking compound on the threads of the fasteners to prevent loosening. Use a torque wrench to tighten the fasteners to the torque specified in the manual. Do not exceed the torque limits specified in the manual, as overtightening can cause damage to the fasteners.

Thread Locking Compound Application

When using thread locking compound, apply it to the threads of the fasteners. Use a small amount of compound to ensure proper application. Use a torque wrench to tighten the fasteners to the torque specified in the manual. Do not exceed the torque limits specified in the manual, as overtightening can cause damage to the fasteners.
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