



Diversified Metal Fabricators Technical Reference Bulletin TRB0006

Title	Freightliner M2 106 Front End Conversion
Document No.	TRB0006 Rev A
Issue Date	02/26/2016 (TAM)
Release	As Needed
Units Affected	Freightliner M2 106 w/ 8 in. bolt-on front frame extension
Purpose	Allows Rail Gear Installation

Identification:

Some Freightliner M2-106 models may be equipped with an optional 8" bolt-on factory front frame extension. Freightliner has not approved these 8" factory frame extensions for use in vertical load applications such as snow plows or rail gear. The number and description of this option may vary depending on if it is PDI installed, or factory installed.

Truck specification sheets will typically list these frame extensions under the "Wheelbase & Frame" section, as one of the following options:

- # "549-090 PDI INSTALLED 8 INCH BOLT ON FRONT FRAME EXTENSION"
- # "549-093 8 INCH BOLT ON FRONT FRAME EXTENSION"



Figure 1.
M2 106 with 8" bolt-on frame extension; driver's side



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Figure 2.

M2 106 in standard configuration (no frame extensions); driver's side

Summary:

In accordance with Freightliner's guidelines, DMF recommends against attempting to attach rail gear to the 8" factory frame extensions. DMF also recommends against modifying the factory frame extensions to accept rail gear.

DMF recommends that the factory front frame extensions be removed, and converting the truck back to the "standard" configuration front end, using parts supplied by a Freightliner dealership.

Once converted to a standard configuration front end, DMF-supplied frame extensions will allow the installation of rail gear.



Figure 3.

DMF frame extensions installed on standard configuration front end; driver's side



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Process:

Required parts for the front end conversion are listed in Table 1 below. Because of the involved nature of the required work, DMF recommends having the conversion performed at a Freightliner dealership.

Freightliner Part Number	Qty. Required	Approx. Cost
15-23686-001	1	\$123
15-23686-000	1	\$116
A15-23688-000	1	\$49
A15-23688-001	1	\$49
A21-28596-004	1	\$74
A21-28596-005	1	\$74
15-24609-000	2	\$13

Table 1. Freightliner-supplied parts for standard front end conversion

Part numbers for DMF front frame extensions are listed in Table 2 below. Installation of these components *requires* converting to standard front end first. They are *not compatible* with factory 8" frame extensions. For *new* rail gear purchases where an M2 106 chassis is specified, DMF includes these frame extensions with your order by default.

DMF Part Number	Description	Qty. Required
810368	FRAME EXTENSION ASSY LH, '09 FL M2 106	1
810369	FRAME EXTENSION ASSY RH, '09 FL M2 106	1

Table 2. DMF supplied parts for rail gear installation on standard front end

DMF will replace defective parts under DMF's warranty terms. DMF may require the return of affected parts to determine coverage.

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