

MORITZ

TRAILERS & TRUCK BODIES

TB & TBA SERIES

ALUMINUM/STEEL TRUCK BED OWNER'S MANUAL



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1. INTRODUCTION

Information provided in this manual was current as of the issue date. Moritz International, Inc. reserves the right to make design changes without further notice or liability.

Information furnished in this instruction does not include all of the details of design, production, or variations of the equipment. It does not cover all the possible contingencies, which may arise during installation. Should special problems arise, or further information be desired, please contact Moritz International, Inc.

Equipment modifications from original design and specifications are strictly prohibited.

Read and understand this instruction before installing truck body. This instruction begins with any existing truck bed or body already removed from truck. These instructions do not cover the removal procedure. Contact the truck manufacturer for removal information and also for information regarding the installation of this truck body.

2. SAFETY

2.1 SAFETY ALERT SYMBOLS AND SIGNAL WORDS


An installation instruction that provides general information cannot cover all of the specific details necessary for the proper combination of every truck and truck body. You must read, understand and follow the instructions given by the truck manufacturer, as well as the instructions in this manual.


The safety information in this manual is denoted by the safety alert symbol:




This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

The level of risk is indicated by the following signal words:

 DANGER
DANGER - Indicates a hazardous situation, which, if not avoided, WILL result in death or serious injury.

 WARNING
WARNING - Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

 CAUTION
CAUTION - Indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE
<i>NOTICE - Indicates a situation that could result in damage to the equipment or other property.</i>


2.2 INSTALLATION HAZARDS

Installation must be performed by a vehicle outfitter, experienced in truck body installation.

2.2.1 OBSERVE ALL SAFETY INFORMATION

Read, understand and observe all safety warnings in this manual, safety decals on vehicle and truck body, and use general common sense when installing truck body.

2.2.2 FUEL TANKS AND FUEL LINES

 WARNING
Fire and explosion hazard.
Keep all ignition sources away from fuel tank, fuel lines and fuel filler assembly.

Verify location of fuel tank and fuel related components before welding, cutting, drilling or grinding.

2.2.3 WEAR APPROPRIATE PROTECTIVE EQUIPMENT

 WARNING
Prevent serious injury or death.
Wear personnel protective equipment appropriate for the task.

2.2.4 SAFETY COMPLIANCE

Installation and completed vehicle must comply with Federal Motor Vehicle Safety Standards. Go to www.fmvss.dot.gov for a list of safety standards.


3. INSTALLATION

3.1 BODY INSTALLATION

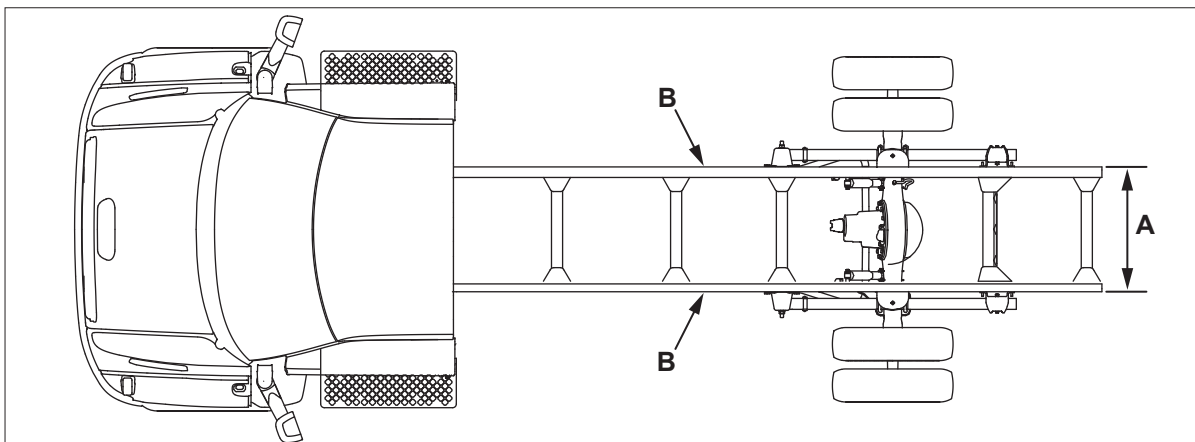
1. Identify all truck body components.
2. Verify that you have the correct body for the truck.

NOTICE
<p><i>Prevent equipment damage.</i></p> <p><i>Disconnecting negative (-) ground cable may not be sufficient to protect vehicle electrical system from damage. Refer to the vehicle manufacturers manual before plasma cutting or welding on vehicle.</i></p>

3. Park truck on a firm level surface, switch engine off, set parking brake and perform vehicle manufacturers recommended steps to protect vehicle electrical system.

 WARNING
<p>Prevent serious injury or death.</p> <p>Truck body weight varies by body, model and size. Use adequate lifting devices to safely raise truck body.</p> <p>Never go under a raised truck body.</p>

4. Connect an adequate lifting device to truck body.
5. Measure width of truck frame rails (A).
6. Position body frame rails to same width as truck frame rails. Body frame rails must be equal distance from outside of body, so body will be centered on truck. Tighten body frame rails to body.

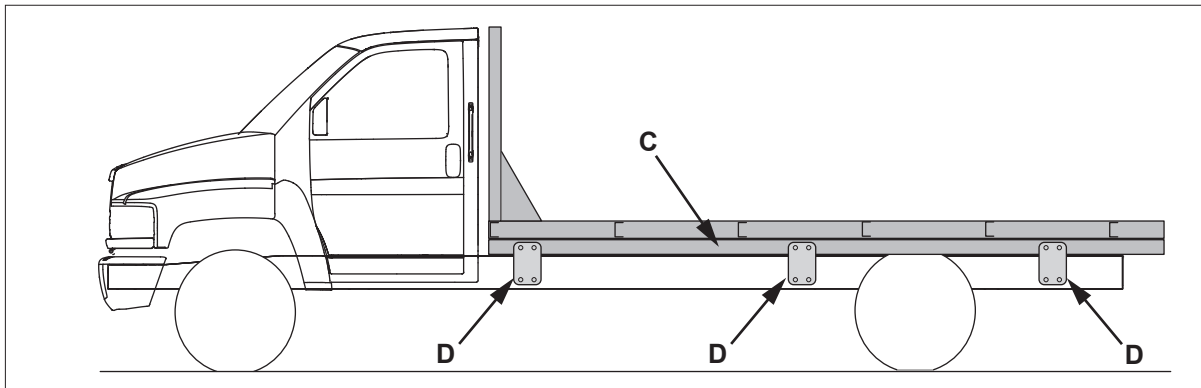


7. Position truck body on truck frame directly on top of truck frame rails (B) and at least 4 inches from truck cab. Do not disconnect lifting device.

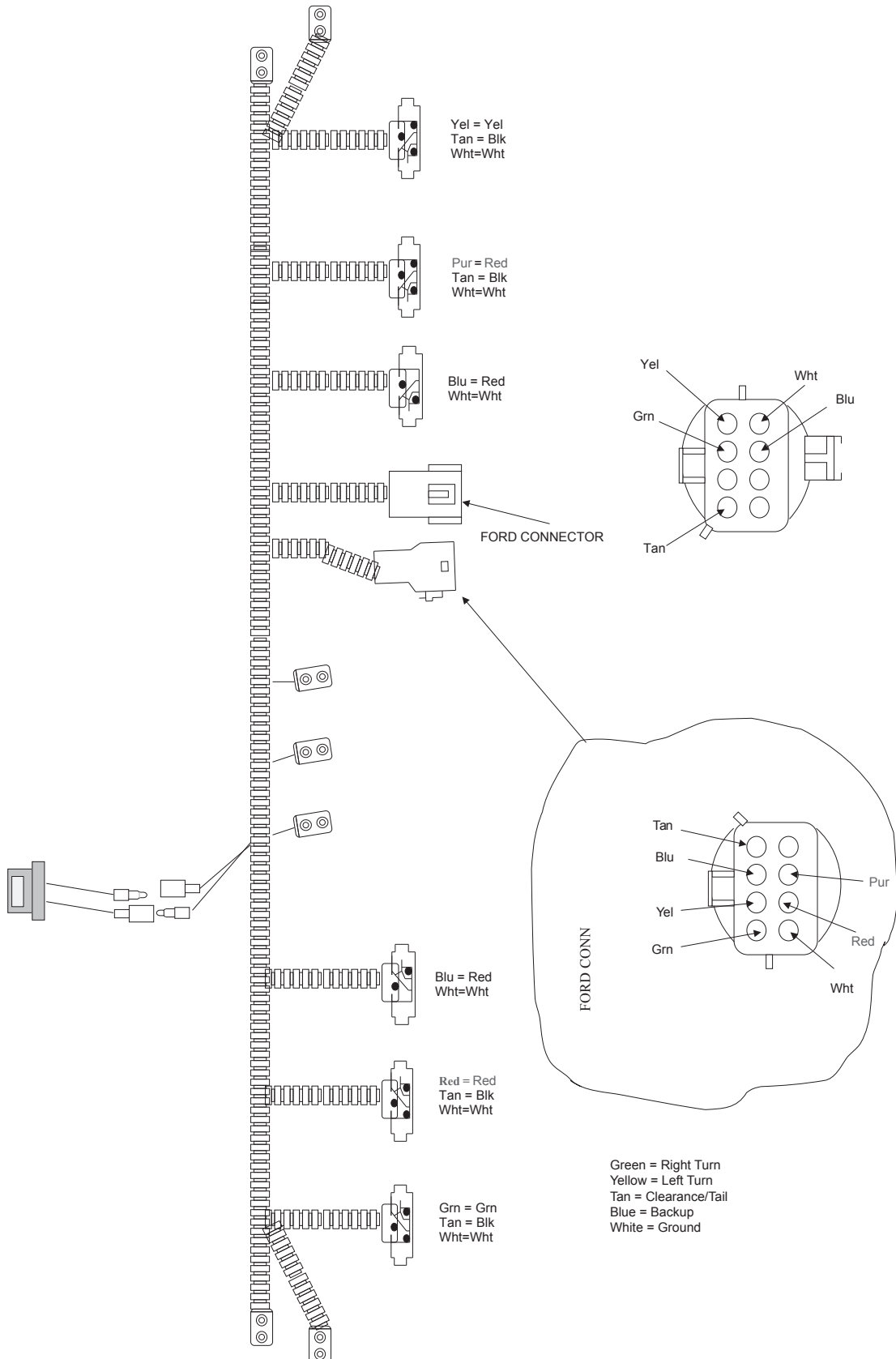
8. Install and adjust bulkhead to be no more than 1 inch above cab.

The following mounting plate instructions are not specific requirements. Mounting plate design is the responsibility of the installer. Follow vehicle manufacturer requirements when attaching plates to the truck frame.

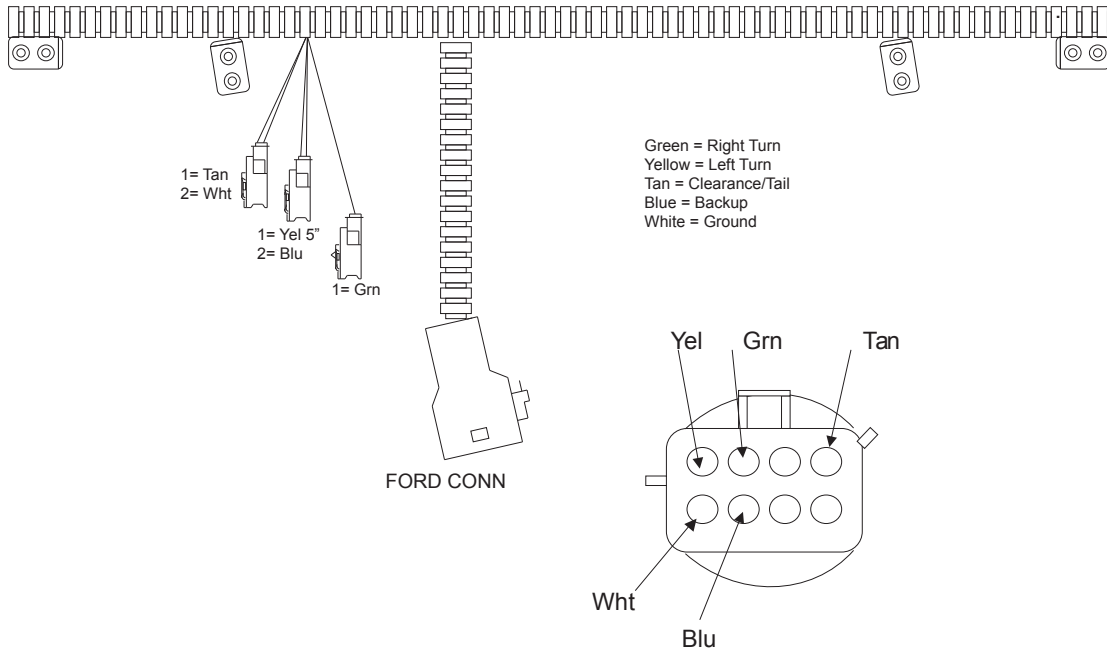
9. Determine attachment points on your vehicle. The body frame rails (C) must be attached to the vehicle at a minimum of three places per frame rail. The front and rear attachment points must be located 2-12 inches from the end of the body frame rails. The center attachment point should be centered between the end mounting plates, or near the gooseneck hitch mounting plate. Mounting plates (D) are not included.
10. Each mounting plate (D) must be a minimum 3/8 inch thick hot rolled steel flat plate. Do not alter mounting plates in any way that would weaken plate. Plates must be bolted or welded to the body frame rails. If bolted, each plate will require a minimum of four 5/8 inch diameter grade 5 bolts. Bolts may be located no closer than 4 inches on center and 1 inch from any edge. If welded, a minimum of 8 inches of 5/16 inch fillet weld must be used to fasten each attachment plate to the body rails. Follow safe weld procedures. These attachment plate instructions are recommendations and not specific requirements. Attachment design is the responsibility of the installer. Follow vehicle manufacturer requirements when attaching mounting plates to truck frame.



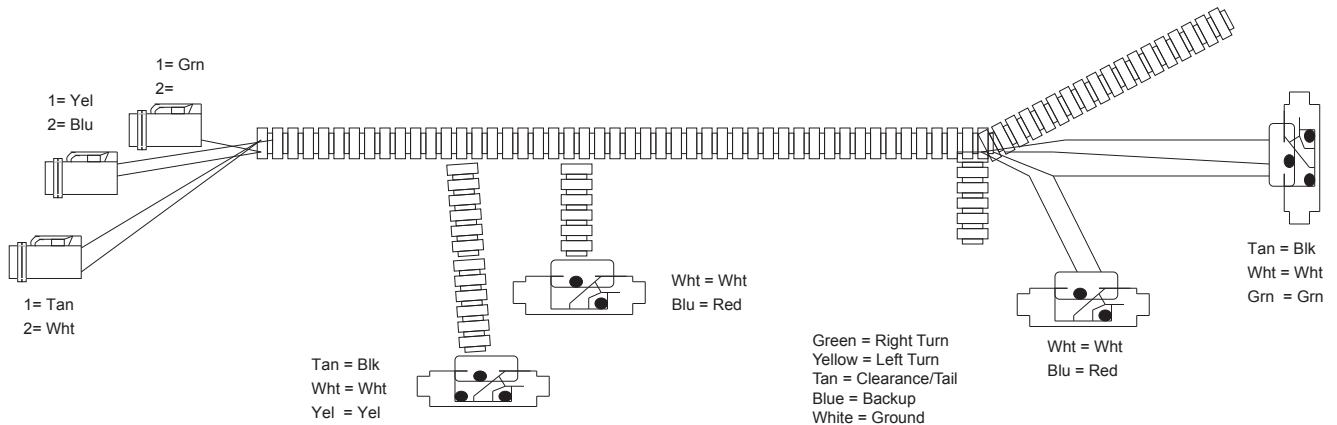
3.2 REAR BODY HARNESS



3.3 FRONT BODY HARNESS



3.4 HEADACHE RACK HARNESS



3.5 ELECTRICAL HARNESS INSTALLATION

Observe all vehicle manufacturer recommendations when connecting to vehicle electrical system. Verify that vehicle negative (-) cable is disconnected from battery before connecting harness.

Connect vehicle wiring harness to truck bud harness. Verify that lighting system function properly and comply with FMVSS and vehicle manufacturer recommendations.

3.6 FUEL FILLER INSTALLATION

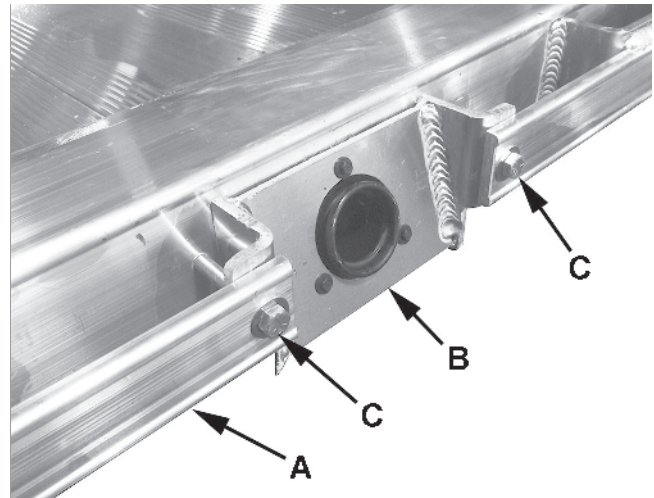
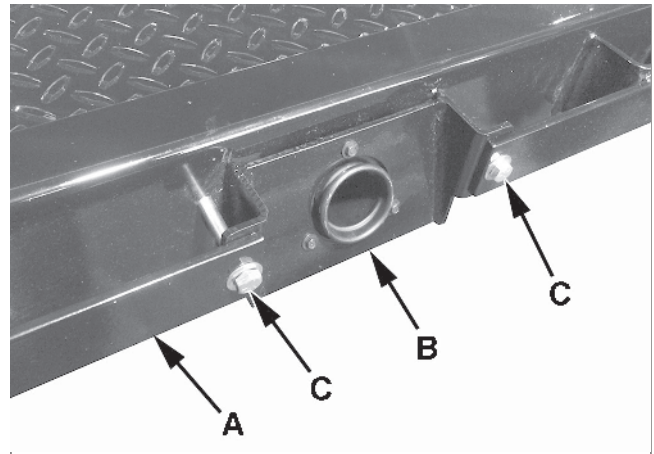
! WARNING

Fire and explosion hazard.

Keep all ignition sources away from fuel tank, fuel lines and fuel filler assembly.

Fuel tank filler must be installed according to the vehicle manufacturer requirements.

1. Verify that vehicle negative (-) cable is disconnected from battery and perform vehicle manufacturers recommended steps to protect vehicle electrical system.
2. Identify all fuel filler kit components.
3. Determine desired location for filler kit on the side of bed. Avoid interference of fill tube and fuel filler bracket bolts with bed cross members and be no closer than 2 inches to any stake pocket.
4. Mark the tie down rail (A) for a 6 inch opening in the desired location. Check under the bed that there is no cross members within 1 inch of these lines and remove a 6 inch section of tie down rail.
5. Mark a 2½ inch diameter hole on side of bed in the center of the 6 inch opening in the tie down rail. Center of hole must be 2⅞ inches from top of bed. Cut hole and remove all burrs.
6. Insert fuel tank fill pipe into fuel filler bracket (B) and trace mounting holes. Vent inside fuel tank fill pipe must be on top. Remove fuel tank fill pipe and drill appropriate size holes.
7. Insert fuel tank fill pipe through hole in the side of the bed and connect it to tank according to vehicle manufacturer requirements.
8. Insert fuel filler bracket down from the top behind tie down rail and over fuel fill pipe. Top of fuel filler bracket should be ¼ inch higher than the top of tie down rail and centered in the 6 inch opening. Fasten fuel filler bracket in place with clamps.
9. Drill a ⅜ inch hole on each side of the fuel filler bracket (B) through the tie down rail, fuel filler bracket and bed. Holes should be centered vertically on the tie down rail and ½ inch from cut edge of the tie down rail.
10. Install bolts (C) from outside of truck bed using flat washers, lock washers and hex nuts and tighten.
11. Connect fuel filler pipe flange to fuel filler bracket as required by vehicle manufacturer specifications.
12. Connect negative (-) cable to vehicle battery.



3.7 MUD FLAP AND BRACKET INSTALLATION

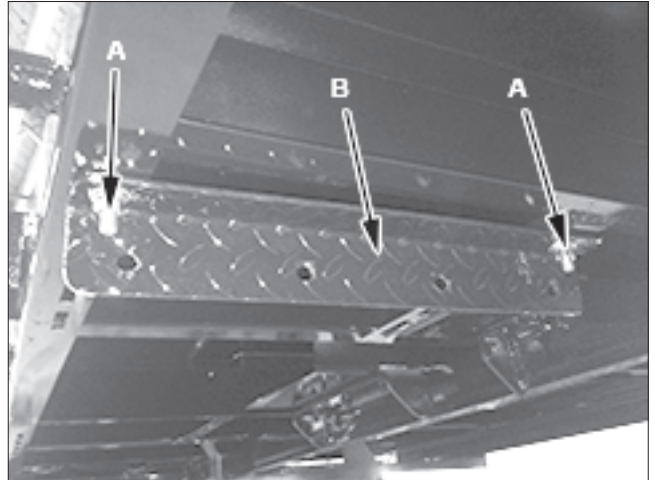
⚠ WARNING

Prevent serious injury or death.

Wear personnel protective equipment appropriate for the task.

3.7.1 STEEL TRUCK BODIES

1. Identify all mud flap and bracket kit components.
2. Determine desired location for mud flap brackets in slots under bed.
3. Apply anti seize to 1¼" carriage bolts (A). Insert 1¼" carriage bolts (A) in bed from the top side in desired slots.
4. Install mud flap brackets (B) over bolts with the bend toward rear of bed and install flat washers, lock washers and nuts and tighten.



3.7.2 ALUMINUM TRUCK BODIES

1. Identify all mud flap and bracket kit components.
2. Determine desired location for mud flap brackets under bed.
3. Apply anti seize to 1¼" carriage bolts (A). Insert 1¼" carriage bolts in supplied 3" x 5" aluminum plates (B).
4. Insert plates (B) between cross members under bed in desired location.
5. Install mud flap brackets over bolts with bend toward rear of bed and install flat washers, lock washers, and nuts and tighten.

