

*Towing and
Road Service Guide
For
Isuzu Medium Duty Trucks
(N & F Series)*



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**AAA Towing and Roadside Assistance Guide for Isuzu Medium Duty Trucks
January 2, 2004**

GENERAL TOWING INFORMATION

Proper equipment must be used to minimize damage to vehicles during any towing. State and local laws which apply to vehicles in tow must be followed. Vehicles should not be towed at speeds in excess of 50 mph (80 km/h).

Connect to the main structural parts of the vehicle. DO NOT attach to bumpers, tow hooks or brackets. Use only equipment designed for this purpose. Follow instructions of the towing equipment manufacturer.

Safety chains, independent of the primary lifting and towing attachment, must be used on all tows.

No towing operation which for any reason jeopardizes the safety of the wrecker operator or any bystanders or other motorists should be attempted.

The procedures in this guide must be followed when towing to minimize possible damage.



N-SERIES HIGHLIGHTS:

- Handles loads up to 11,303 lbs.
- Gas & Diesel
- Exceptional maneuverability



F-SERIES HIGHLIGHTS:

- Handles loads up to 23,758 lbs.
- Industry-leading diesel engine
- Highly customizable

NOTE: “F” SERIES VEHICLES ARE AVAILABLE WITH AIR BRAKES. ENSURE PROPER BRAKE RELEASE PROCEDURES ARE FOLLOWED WHEN TOWING AIR BRAKE EQUIPPED VEHICLES.

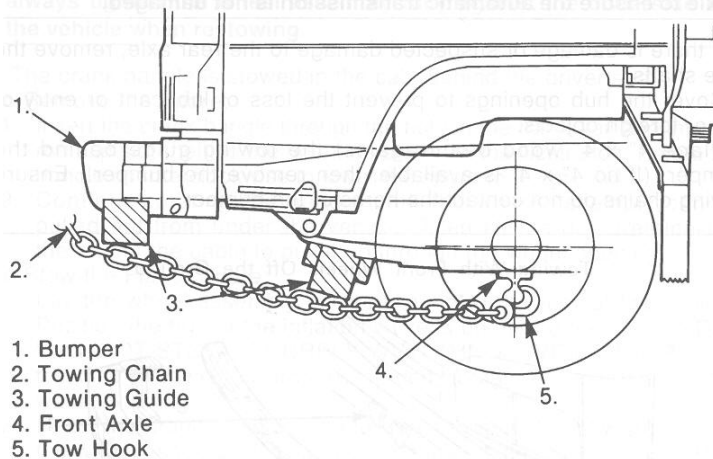
FRONT END TOWING WITH A TRUCK BAR OR SLING (FRONT WHEEL OFF THE GROUND):

To prepare a disabled vehicle for front end towing with the front wheels off the ground, the following steps are necessary:

- Block the rear wheels of the disabled vehicle to prevent it from rolling.
- Mark the location of the propeller (drive) shaft in relation to the rear axle yoke.
- Disconnect the propeller (drive) shaft at the rear axle
- Secure any loose driveline parts, like universal joint bearing caps and u-bolts, to ensure they are not lost during transportation.
- Secure the propeller (drive) shaft to the frame or cross member in a way so that it will not fall off the vehicle during transportation.

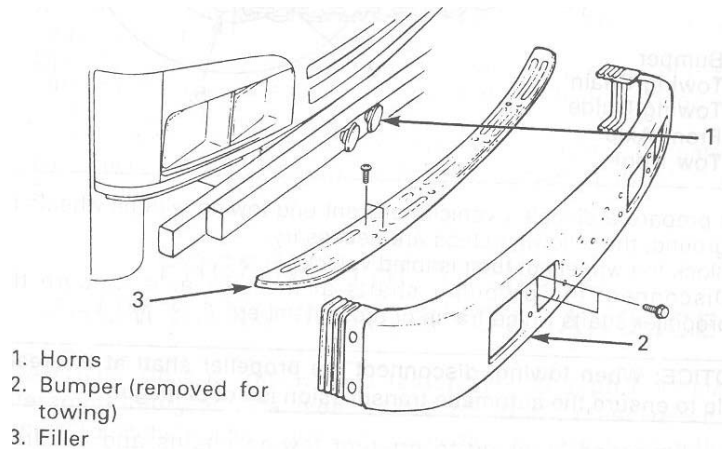
NOTICE: When towing, disconnect the propeller (drive) shaft at the rear axle to ensure the transmission is not damaged during towing operation.

- If there is damage or suspected damage to the rear axle, remove the axle shafts and cover the hub openings to prevent the loss of lubricant or entry of dirt or foreign objects.
- On air-brake equipped vehicles, cage brakes or air up system to release brakes.
- Place a 4" x 4" wood beam against the towing guide behind the bumper.
- Ensure that the towing chains do not contact the horns or the bumper.



Courtesy Isuzu Motors Limited

- If no 4" x 4" wood beam is available then remove the front bumper to prevent damage.



Courtesy Isuzu Motors Limited

- Attach secondary attachment, safety chains between towing and disabled vehicle.
- On air brake equipped vehicles, cage brakes or air up system to release
- Install direction tow lights and any other necessary towing devise in accordance to local regulation in your area.

FRONT END TOWING WITH A WHEEL LIFT/UNDER-REACH (FRONT WHEEL OFF THE GROUND):

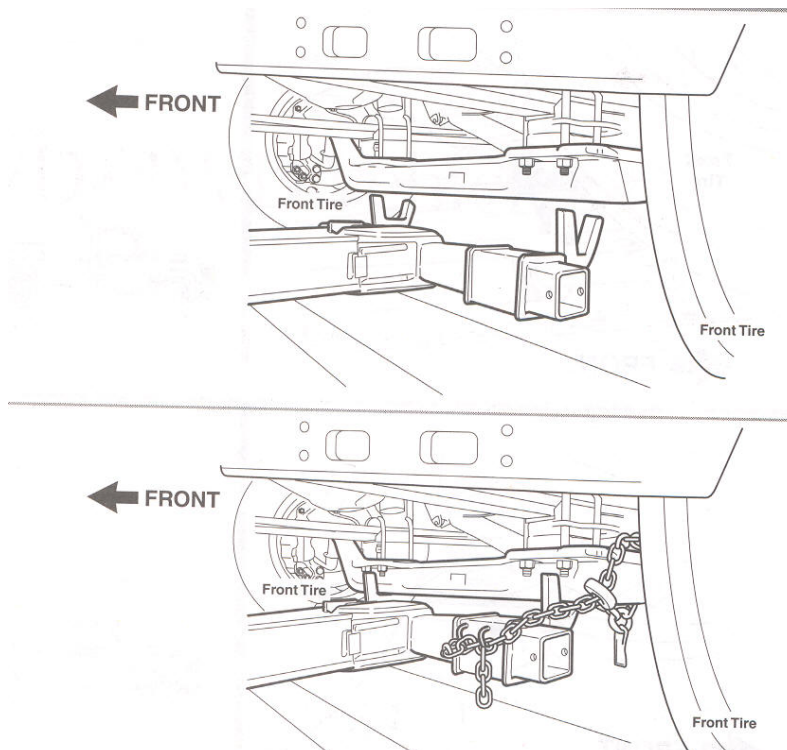
- Block the rear wheels of the disabled vehicle to prevent it from rolling.
- Mark the location of the propeller (drive) shaft in relation to the rear axle yoke.
- Disconnect the propeller (drive) shaft at the rear axle.
- Secure any loose driveline parts, like universal joint bearing caps and u-bolts, to ensure they are not lost during transportation.
- Secure the propeller (drive) shaft to the frame or cross member in a way so that it will not fall off the vehicle during transportation

NOTICE: When towing, disconnect the propeller (drive) shaft at the rear axle to ensure the transmission is not damaged during towing operation.

- If there is damage or suspected damage to the rear axle, remove the axle shafts and cover the hub openings to prevent the loss of lubricant or entry of dirt or foreign objects.
- Position under reach forks on the front axle beam in proper position for lifting.

NOTE: do not get under raised vehicle unless it is properly supported on safety stands

- Attach securement chains around axle beam and to wheel lift cross bar.
- Secure vehicle to towing devise.
- Attach secondary attachment, safety chains, between towing and disabled vehicle.
- On air brake equipped vehicles, cage brakes or air up system to release
- Install direction tow lights and any other necessary towing devise in accordance to local regulation in your area.



Courtesy General Motors Corporation

REAR END TOWING (Rear wheels off ground):

NOTE: This operation may not be possible due to the type of body installed on the chassis or other aftermarket or dealer installed accessories.

- Secure the steering wheel in a straight ahead position with a device designed for this purpose.
- Attach towing device to vehicle and secure properly, according to wrecker manufacturer's recommendation.
- If using a sling or truck style tow bar, ensure that damage will not occur to vehicle due to frame flex of lifting a loaded vehicle with this type of towing equipment.
- Make sure that the front axle is not loaded above the front axle Gross Axle Weight Rating (GAWR) as indicated on the vehicle's VIN and Weight Rating plate.
- Attach secondary attachment, safety chains, between disabled and towing vehicle.
- On air brake equipped vehicles, cage brakes or air up system to release
- Install direction tow lights and any other necessary towing device in accordance to local regulation in your area.

NOTE: When towing a vehicle backward, ensure that all doors, windows and storage compartments of the towed vehicle are closed and locked if possible. Wind forces on a vehicle in an opposite direction from which it was designed to travel can cause damage to parts of the vehicle. Secure all loose and protruding parts. Fold in side mirrors, if possible, to prevent lens breakage or frame damage.

AFTER TOWING

- Block the vehicle wheels to prevent vehicle from rolling.
- Install any vehicle equipment that was removed for safe towing or inform repair facility of location of removed parts.

NOTE: Do not get under raised vehicle unless it is properly supported on safety stands.

- If possible, apply parking brake on vehicle before disconnecting from towing vehicle.
- Inform repair facility of any item removed and reinstalled for towing so they can check for proper fastener tightness.

JUMP-STARTING:

These vehicles have 12-volt starting systems and a negative grounded electrical system. Conventional automotive jump starting, will in most cases, be able to jump start these vehicles. Some of the diesel models will have a 2 battery system. The procedure in this section can be used to start a single-battery vehicle from any of the diesel vehicle's batteries. However, at low temperatures, it may not be possible to start a diesel engine from a single battery in another vehicle.

CAUTION: Never tow the vehicle to start because the surge forward when the engine starts could cause a collision with the tow vehicle.

INSTRUCTIONS:

CAUTION: Batteries produce explosive gases, contain corrosive acid and supply levels of electrical current high enough to cause burns. Therefore, to reduce the risk of personal injury when working near a battery:

- Shield eyes and avoid leaning over a battery whenever possible.
- Do not expose a battery to open flames or sparks.
- When possible, ensure battery fluid is at proper level.
- Do not allow battery acid to contact your skin or eyes. If contact occurs, flush affected area with water thoroughly and get medical help immediately.
- Position vehicles so that they are not touching but close enough for the jumper cables to reach both vehicles.
- On both vehicles, turn off ignition lights and all accessories except essential ones like hazard flashers and anything else necessary to aid in the operation.
- Apply parking brake of the disabled vehicle and shift the automatic transmission to Park (P) or the manual transmission to Neutral.
- Connect from the positive terminal of the good battery to the positive terminal of the discharged battery using the jumper cables. Ensure the cable clamp does not touch any other object on either of the vehicles.
- Connect from the negative terminal of the good battery to the frame rail chassis or of a solid stationary metal non-painted object on the engine at least 18 inches away from the battery.
- Ensure that the cables are not going to contact any moving engine part on either vehicle when started.
- Start the vehicle with the good battery and let it run at slightly higher than idle speed for a couple of minutes to put a charge in the discharged battery.
- Attempt to start the disabled vehicle. Do not crank for longer than 15 seconds at a time and then allow the starter to cool down for a couple of minutes between attempts.
- Once disabled vehicle starts, disconnect jumper cables in reverse order taking care not to contact any metal object or interfere with moving parts.

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