

# ★ ★ ★ ISUZU TRUCK CHALLENGE ★ ★ ★



## **NPR-HD vs. Ford F-450**

### **NPR-HD Advantages Over Ford F-450 Super Duty:**

- Proven Isuzu 4H Family of Engines with B-10 Life of 310,000 Miles. Ford has new 6.7 Liter Engine
- Proven Aisin medium duty transmission versus Ford transmission used in pick up truck applications
- NPR has four wheelbases 109, 132, 150, 176 with longer Cab to Axle options allowing longer bodies, but shorter turning radius
- NPR-HD can accommodate 25% more cargo capacity with body up to 20 ft. in length vs. a maximum 16 ft. on F-Series
- Built from the ground up as a commercial vehicle for a long life. F-450 is derived from a pickup
- NPR-HD 14,500 GVWR versus Ford F-450 16,000 GVWR but has about the same body and payload allowance due to lighter total chassis weight
- Reverse Elliot I-Beam front axle is strong and durable. Mono I Beam used on F-450 varies camber with load, contributing to tire wear
- NPR-HD Front Tapered leaf springs provides a smoother ride then F-450 Coil springs
- N-Series rear axle capacity of 14,550 is 21% higher than Ford at 12,000 lbs.
- Tilt cab allows easy engine access. Limited engine access on F-450 Super Duty with very high reach-over to engine area. Some technical procedures on F-450 requires cab to be removed
- Tighter turning diameter curb-to-curb for comparable cab-to-axle ratio (31.5 ft./109 in. WB vs. 42.3 ft./141 in. WB ) improves maneuverability by 34%
- 16-inch truck tires average 50% less expensive to replace and more readily available than 19.5-inch tires on F-450
- Wider door opening for easy entry and exit 85 degree vs. 60 degree
- Durable tricote breathable woven seat material is comfortable and long lasting. Solid vinyl on F-450 Super Duty
- Standard tilt and telescopic steering column contributes to driver comfort. Optional tilt steering wheel on F-450
- Grab handle to assist entry and exit contributes to safety on the job. Not available on F-Series
- Longer scheduled maintenance intervals helps reduce downtime and service costs
- Standard fold-down center seat includes convenient work area on NPR; base seat on F-450 is non-folding bench
- Higher frame yield strength contributes to 18% higher capacity and durability (44,000 psi vs. 36,000 psi)
- Standard diesel exhaust brake can contribute up to 30% improved brake life and braking performance. Not available on F-450
- Greater visibility with larger windshield, larger side windows, larger side mirrors and lower dash to improve vision. Front sight line of 8.6 ft. for NPR vs. 23.8 ft. for F-450
- Standard daytime running lamps vs. optional
- Battery box on frame rails of NPR helps extend battery life by removing batteries from hot under-hood area
- Easier serviceability with in-cab fluid checks vs. Ford's under-hood fluid-checks

**SPECIFICATIONS**

	<b>Isuzu NPR-HD</b>	<b>Ford F-450 Super Duty</b>
GVWR	14,500 lb.	16,000 lb.
Engine type	5.2 Liter Inline 4HK1-TC	6.7 Liter V-8
Horsepower	215 HP @ 2550	300HP @ 2800
Torque	452 @ 1850	660 @ 1600
Transmission	Aisin 6 Spd with Dual OD	TorqShift 6 Spd with OD
Steering	Power Steering	Power Steering
Front axle, lb.	6,830 Reverse Elliot I-Beam	7,000 Mono Beam
Front springs, lb.	6,830 Tapered Leaf	Coil Springs
Rear axle, lb.	14,550	12,000
Rear springs, lb.	9,880 Multi Leaf	9,750 Multi Leaf
Wheels	16 x 6 in. 6-bolt	19.5 x 6
Tires	215/85R16E	225/70R19.5G
Brakes, front	11.5 in. disc	14.53 in. disc
Brakes, rear	12.6 x 2.95 in. drum	15.35 in. disc
Frame, psi	44,000	36,000
Frame width, in	33.5	34
Frame RBM	316,800	313,200
Battery, CCA (gas)	2x750	2x750
Fuel tank, gal.	30 in-frame	40 in-frame
Seating	Driver & 2 passenger	Bench driver & 2 passenger
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	109.0/86.5	141/60.0
	132.5/110.0	165/84.0
	150.0/127.5	189/108.0
	176.0/153.5	201/120.0
WB/Turning Diameter	109.0/31.5	141/42.3
(curb-to-curb, ft.)	132.5/38.7	165/48.6
	150.0/42.7	189/54.8
	176.0/51.2	201/57.9
WB/Body lengths	109.0/12	141/10
	132.5/14	165/12
	150.0/16,18	189/14
	176.0/18,20	201/16

**EQUIPMENT**

Vehicle Health Reports	Standard	Not Available
Drop-design windows	Standard	Not Available
Exhaust brake	Standard	Not Available
Tilt/telescopic steering column	Standard	Optional Tilt
Tricot fabric	Standard	Optional Fabric
Tilt cab	Standard	Not Available
Folding center seat	Standard	Uplevel equipment
Daytime running lamps	Standard	Optional
Cruise control	Standard	Optional
PTO prep.	Standard	Optional
Air conditioning	Standard	Standard
Power windows	Standard	Optional
Power door locks	Standard	Optional
Floor mat	Standard	Standard
Tachometer	Standard	Standard
Convex mirrors	Standard	Standard
Engine block heater	Optional	Optional
Engine oil pan heater	Optional	Not Available
AM/FM/CD	Optional	Optional,
Air deflector	Optional	Not Available
Spare wheel	Optional	Optional
Engine protection system	Optional	Optional
Engine hour meter	Optional	Not Available
Backup alarm	Optional	Optional
Chrome wheel sim.	Optional	Optional
Heated mirrors	Optional	Optional

**WARRANTY**

Base warranty	36 months/unlimited mileage	36 months/36,000 miles
Engine warranty	36 months/unlimited mileage	60 months/100,000 miles