*** ISUZU TRUCK CHALLENGE ***







NPR-HD Crew Cab vs. RAM 4500 CC

NPR-HD Crew Cab Advantages Over RAM 4500 Crew Cab:

- Proven Isuzu 4H Family of Engines with B-10 Life of 310,000 Miles. Ram uses outsourced 6.7 Cummins Engine
- NPR-HD has two wheelbases 150, 176 with longer Cab to Axle options allowing longer bodies, but shorter turning radius
- NPR-HD can accommodate 14% more cargo capacity with body up to 16 ft. in length vs. a maximum 14 ft. on Ram
- Built from the ground up as a commercial vehicle for a long life. RAM 4500 is derived from a pickup.
- NPR-HD 14,500 GVWR versus RAM 4500 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 RAM 4500 varies camber with load, contributing to tire wear
- NPR-HD Front Tapered leaf springs provides a smoother ride then RAM 4500 Coil springs
- N-Series rear axle capacity of 14,550 is 21% higher than RAM at 12,000 lbs.
- Greater payload capacity because of lighter truck weight. NPR diesel weighs approximately 1300 lb. less than comparable RAM 4500
- Tilt cab allows easy engine access. Limited engine access on RAM 4500 with very high reach-over to engine area.
- Tighter turning diameter curb-to-curb for comparable cab-to-axle ratio (45.3 ft./150 in. WB vs. 50.4 ft./197 in. WB) improves maneuverability by 11%
- 16-inch truck tires average 50% less expensive to replace and more readily available than 19.5-inch tires on Ram 4500
- Wider door opening for easy entry and exit 85 degree vs. 70 degree
- Durable tricot breathable woven seat material is comfortable and long lasting. Solid vinyl on RAM 4500
- Standard tilt and telescopic steering column contributes to driver comfort
- Grab handle to assist entry and exit contributes to safety on the job. Not available on RAM 4500
- Longer scheduled maintenance intervals helps reduce downtime and service costs
- Standard fold-down center seat includes convenient work area on NPR; base seat on RAM 4500 is non-folding bench
- Greater visibility with larger windshield, larger side windows, larger side mirrors and lower dash to improve vision.
- 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.RAM's under-hood fluid-checks



SPECIFICATIONS		
	Isuzu NPR-HD CC	RAM 4500 CC
GVWR	14,500 lb.	16,000 lbs
Engine type	5.2 Liter Inline 4HK1-TC	6.7 Liter Cummins Inline 6 Cylinder
Horsepower	215HP @ 2550	305HP@ 3000
Torque	452 @ 1850	610 @ 1600
Transmission	Aisin 6 Spd with Dual OD	Aisin 6 Spd with Dual OD
Steering	Power Steering	Power Steering
Front axle, lb.	6,830 Reverse Elliot I-Beam	7,000
Front springs, lb.	6,830 Tapered Leaf	7,000 Coil
Rear axle, lb.	14,550	12,000
Rear springs, lb.	9,880 Multi Leaf	12,000 Multi Leaf
Wheels	16 x 6 in. 6-bolt	19.5 x 6 in.
Tires	215/85R16E	225/70R19.5F
Brakes, front	11.5 in. disc	15.35 in. disc
Brakes, rear	12.6 x 2.95 in. drum	15.35 in. disc
Frame, psi	44,000	50,000
Frame width, in	33.5	33.8
Frame RBM	316,800	N/A
Battery, CCA (gas)	2x750	1x750
Fuel tank, gal.	30 in-frame	52 in-frame
Seating	Driver & 6 passengers.	Driver and 5 passengers
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	150.0/88.5	173/60
	176.0/114.5	197/84
WB/Turning Diameter	150.0/45.3	173/44.8
(curb-to-curb, ft.)	176.0/51.9	197/50.4
WB/Body lengths	150.0/12	173/10
	176.0/14, 16	197/12, 14
EQUIPMENT		Mark William
Vehicle Health Reports	Standard	Not Available
N	C4	N - + A : - -
Drop-design windows	Standard	Not Available
Exhaust brake	Standard	Standard
Exhaust brake Tilt/telescopic steering column	Standard Standard	Standard Standard Tilt
Exhaust brake Tilt/telescopic steering column Tricot fabric	Standard Standard Standard	Standard Standard Tilt Optional Fabric
Exhaust brake Tilt/telescopic steering column Tricot fabric Tilt cab	Standard Standard Standard Standard	Standard Standard Tilt Optional Fabric Not Available
Exhaust brake Tilt/telescopic steering column Tricot fabric Tilt cab Folding center seat	Standard Standard Standard Standard Standard Standard	Standard Standard Tilt Optional Fabric Not Available Standard
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