

Specifications for a Standard Cab Pickup Truck

Model Year

The vehicle shall be a model year 2020 or newer and shall be in new condition with less than 500 miles on the odometer. The unit shall meet emissions in all States of the U.S.

Specs shown are for a Ram however rough equivalents from other makes or models will be considered

Mechanical Features

Engine

The vehicle shall be equipped with a 6.4-liter heavy duty V8 engine with multi-displacement fuel saver cylinder deactivation technology. The engine shall produce 410 peak horsepower and 429 lb./ft of peak torque.

Transmission

The transmission shall be a ZF Group 8HP75 model transmission with 8 forward speeds.

Four Wheel Drive

The vehicle shall be equipped with a part time four-wheel drive with a manual shift on the fly transfer case and automatic locking front wheel hubs.

Axles

The rear axle shall be an 11.5-inch unit with a 3.73 gear ratio and equipped with an anti-spin differential. It shall be a rigid type axle with a capacity of 6010 lbs.

Front axle shall be a non-independent type, be equipped with a 3.73 gear ratio, and have a capacity of 5250 lbs.

Suspension

Front and rear suspensions shall be multi-link type with coil springs. The suspensions shall be rated as heavy duty and shall have heavy duty type shock absorbers.

Brakes

All four wheel shall be equipped with power assisted, disc type brakes. The braking system shall be equipped with an anti-lock brake system, electronic stability control, hill start assist, and traction control.

Wheels and Tires

The wheel rim size shall be 17X7.5 inches for all four wheels. Wheel rims shall be styled steel. Tires shall be LT245/70SR17 all season type. Tire weight capacity shall be 3000 lbs. for each tire. One spare tire and wheel rim shall be provided with the vehicle.

Fuel Tank Capacity

The vehicle shall be equipped with a 32-gallon fuel tank.

Electrical System

The vehicle shall be equipped with two alternators with a combined rating at 380 amps and a battery rated at 730 cold cranking amps.

Inverter

The vehicle shall have a 400-watt power inverter to convert 12-volt DC power to 115-volt AC. A 115-volt receptacle shall be located in the cab of the vehicle.

12-Volt DC Outlets

Two 12-volt DC power outlets shall be located in the cab of the vehicle.

Vehicle Dimensions

The exterior dimensions of the vehicle shall be:

- Wheelbase 140.5 inches
- Overall vehicle length 232 inches
- Maximum overall width without mirrors 79.4 inches
- Overall height 80.2 inches
- Ground clearance 8.5 inches

The cargo bed area shall have the following dimensions:

- Cargo bed floor length 98.3 inches
- Cargo bed width 66.4 inches
- Cargo bed width between wheel housings 51 inches
- Cargo bed height 20.2 inches
- Tailgate width 60.4 inches
- Total cargo bed area 74.4 cubic feet

The interior dimensions of the vehicle shall be:

- Passenger capacity 3
- Front head room 39.8 inches
- Front leg room 40.9 inches
- Front shoulder room 65.9 inches
- Front hip room 65.9 inches

Vehicle Weight Information

The vehicle shall have the following weight ratings:

- Gross Axle Weight Rating – Front 5500 lbs.
- Gross Axle Weight Rating – Rear 6000 lbs.
- Curb weight – front 3688 lbs.

- Curb weight – rear 2622 lbs.
- Gross Vehicle Weight Rating – 10000 lbs.
- Gross Combined Weight Rating – 21500 lbs.

Pickup Cargo Box

The pickup bed shall have a spray in bedliner material applied to it. It shall also be equipped with pickup cargo box lights.

Trailer Hitch

A trailer hitch shall be installed at the rear of the vehicle and shall be attached to the vehicle's frame. It shall be rated to tow 14720 lbs. with a max tongue weight of 1472 pounds.

The truck shall also be equipped with a 7-pin and a 4-pin trailer wiring harness connector. A trailer brake control unit shall be installed in the cab of the vehicle as well.

Power adjust, heated tow mirrors with a manually rotated mirror head shall be provided as well.

Interior Features

The vehicle shall be equipped with the following features:

- Manual adjust 4-way driver and passenger vinyl seats
- Manual tilt steering column
- Air Conditioning
- Heavy duty vinyl 40/20/40 split bench seat
- Full vinyl / rubber floor covering

Safety Features

The vehicle shall be equipped with the following safety features:

- Electronic stability control
- Roll stability control
- Anti-lock brake system and driveline traction control
- Side impact beams
- Dual stage driver and passenger seat mounted side airbags
- Tire specific low tire pressure warning
- Dual stage driver and passenger front air bags
- Curtain 1st row air bags
- Airbag occupancy sensor
- Outboard front lap and shoulder safety belts including height adjusters and pretensioners
- Parkview back-up camera

Snowplow

Snow Chief Group

The vehicle shall be equipped with an anti-spin rear differential, instrument panel mounted auxiliary switches, LED clearance lamps, and a transfer case skid plate.

Western Brand Snowplow

A Western Brand model MVP3 plow shall be included and installed on the vehicle at the time of delivery. The unit shall be the 8' 6" stainless steel model and include wear shoes and utilize the Western brand UltraMount 2 mounting system.

Cargo Bed Cap

The truck shall be furnished with an A.R.E. model DCU Max Cargo Bed Cap.

Cap Height

The unit shall be 29 inches high and shall be colored white.

Cap Interior

The unit will not have any interior skin and shall have no front window.

Rear Doors

The unit shall feature full height double rear doors to access the truck bed. This shall necessitate the removal of the RAM factory installed cargo bed tailgate. The tailgate shall be shipped loose to RTS so that it can be reinstalled in the future if it is needed.

Side Doors

There shall be full length side doors located on both the passenger and driver's side. Each door shall have a horizontal hinge that allows the door to swing upwards when opened.

Toolboxes

A full-length toolbox shall be located behind each side door on both the passenger and driver's sides. A full-length shelf shall be provided in each toolbox.

Interior Lighting

Rope style LED lighting shall be supplied inside each side toolbox, and along each side door. A switch shall be installed that will activate the lighting when the side door is opened. Rope style LED lighting will also be installed in the interior of the cap. A switch shall be installed to activate the interior lighting when the rear doors are opened.

Ladder Rack

A ladder rack with two center supports and a third leg shall be affixed to the cap.

Backup Camera

A backup camera with wiring harness shall be installed. The unit shall be wired into the existing wiring from when the tail gate was removed in order to use the display screen supplied by RAM.

Safety Lighting

There shall be six yellow LED strobe type lights installed and wired into the auxiliary switches supplied by RAM that are in the truck dash. The location of the lights shall be on the upper corners of the sides and rear of the truck cap.

There shall be two beacons located on the top of the cap at the front and rear. These shall also be wired into the auxiliary switches.

Cargo Glide

An A.R.E. CG1500XL 8 foot Cargo Glide bed extension shall be installed. The unit shall have a 1500 lbs. capacity at 100% extension and shall be constructed of steel with a complement of 36 full ball roller bearings.