

# *FRONT 1/2 Specifications*



## *GASOLINE ENGINE*

GM ECOTEC Engine (Standard equipment)  
210H.P, 195 Ft Lbs. Torque (est.)

Type: In-line four cylinder  
Displacement: 2401 cc (2.4L)  
Compression ratio: 10.0:1  
Bore x stroke: 86.00 x 96.00mm  
Fuel system: sequential fuel injection  
Rev Limit: 6000 rpm  
Block: cast aluminum  
Cylinder head: cast aluminum  
Intake manifold: composite  
Connecting rods: forged powder metal  
Complete AN Fitted Fuel System  
Cad designed motor mounts to isolate vibration.

## *COOLING SYSTEM*

Purpose-built high density core cross flow alloy radiator.  
Waterproof electric dual fans, fan shroud.

## *EXHAUST SYSTEM*

OE cast iron high flow manifold into a custom single exit 2" computer controlled mandrel bent stainless steel exhaust system with Magnaflow high flow, low noise level muffler.  
Laser cut copper gaskets at three bolt 3/16" flanges.  
Ceramic coating in matte grey enhance exhaust tone and longevity.

## *INTAKE SYSTEM*

Isolated K&N element filter in a dry sock (for adverse conditions) upon a mandrel bent alloy plenum.

### TRANSMISSION

Five Speed Aisin-Warner AX15 Manual transmission (standard equipment)

McLeod/OEM GM hydraulic clutch system

Model. . . . . 52108118AB

Synchronization. . . . . All Gears

Main Case. . . . . Cast Aluminum

Shift Cover . . . . . Aluminum alloy

Gear Bearing. . . . . Caged roller

Gears. . . . . Helically cut

Lubrication. . . . . DCX#4761839AC

Oil Capacity. . . . . 3.25 quarts

Gear ratios:

1st. . . . . 3.83:1

2nd . . . . . 2.33:1

3rd . . . . . 1.44:1

4th . . . . . 1.00:1

5th . . . . . .79:1

Reverse . . . . . 5.04:1

### TRANSFER CASE

New OEM Production spec New Process NP231 transfer case is competition proven and freeway friendly, too.

Featuring shift on the fly 4 capability high range 4x4, 2.72 low range, and massive international parts support.

Novak Improved shift controller.

Advance Adapters Slip Yoke Eliminator.

Case: Cast Aluminum Alloy

Weight: 86 lbs. (dry)

Ratios:

Low Range: 2.72:1

High Range: 1:1

### FRAME

Hand crafted 2"x4"x 0.140" mandrel-bent mild steel rails utilize state of the art bending technology to create a rigid, wrinkle-free frame rail. All accessory mounts are precision laser cut and formed to exact dimensions. Chassis-specific jig tables are used, and all welding is completed by certified welders.

### AXLES & DIFFERENTIALS

Custom width Production Jeep Rubicon based solid axle assemblies.

4.10:1 ratio.

1/2 Ton driveshafts, with 1310 joints, high strength steel shaft bodies.

Rear CV joint.

Electric locking differentials standard equipment.

Three position illuminated locker control switch located on dash.

### SUSPENSION SYSTEM

Platform specific design featuring 24" true wheel travel front and rear..

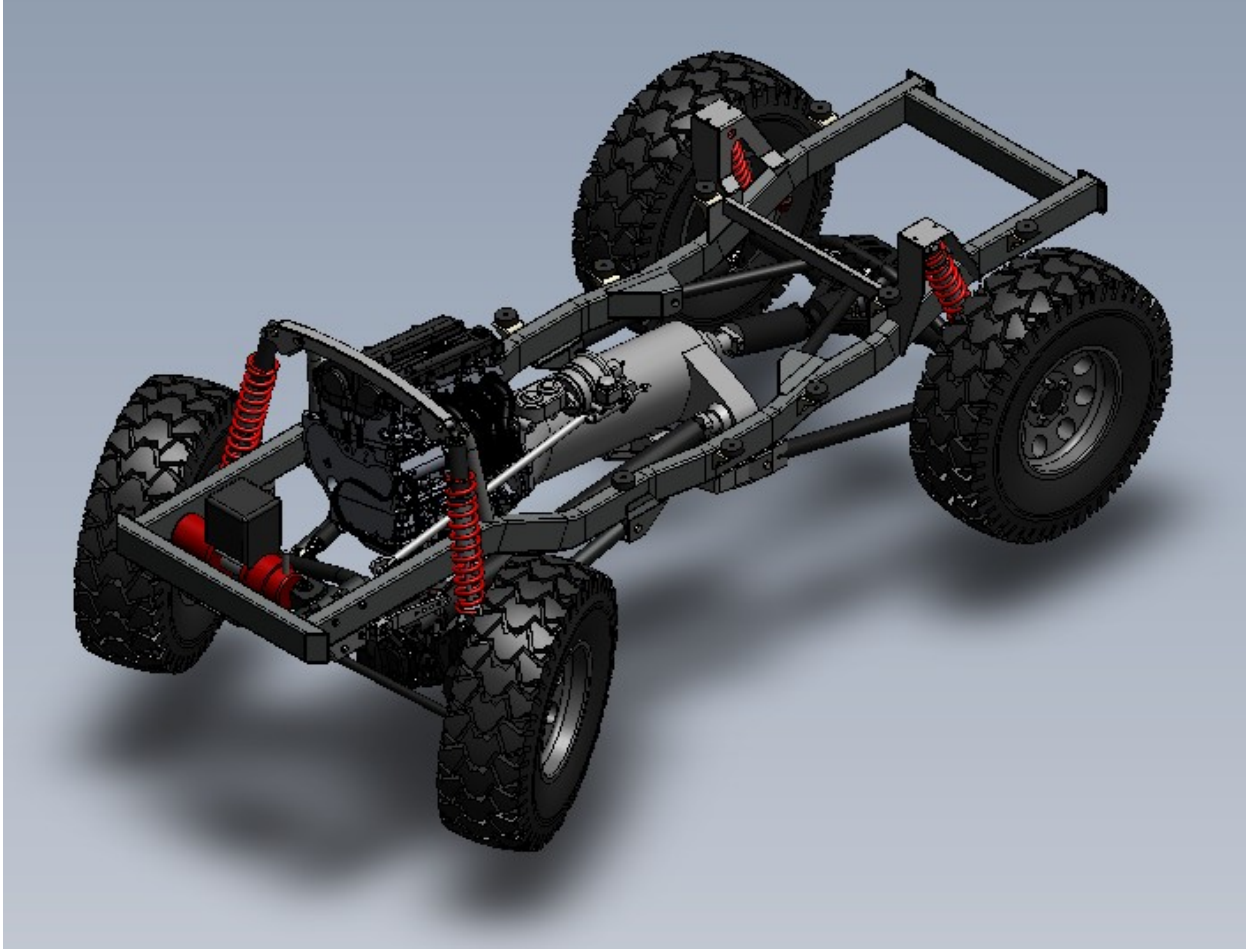
Four wheel progressive rate coil suspension, with triangulated four link rear, and panhard front linkage designs.

Fox Racing 2" Nitrogen charged shocks with remote reservoirs.

Front torsion bar based sway bar with adjustable and quick release links.

Heavy duty Johnny joints and .188" wall 2" O.D. equal length steel control arms.

Energy bump stops.



### BRAKE SYSTEM

Common US parts based power assisted four-wheel vented disc brakes.

Dual diaphragm booster with GM style master cylinder.

Stainless steel system plumbing (hard and flex lines).

### PARKING BRAKE

Isolated to rear brakes by shrouded stainless cable.

Floor actuated with dash warning light.

### FUEL SYSTEM

Non-vented 10.6-gallon powder-coated black steel fuel tank.  
Stainless steel system plumbing (hard and braided lines).  
Large serviceable fuel filter, in-tank fuel pump.  
Frame mounted fuel pressure regulator.

### STEERING SYSTEM

Designed for mild power effect, and maximum control in all environments.  
Lee Engineering Stage Four (4 rotations left to right) steering box.  
13:1 to 16:1 mild variable ratio for safe high speed and low speed off-pavement control.  
Nascar style alloy GM type II high efficiency pump with reservoir.  
Single turn steering shaft with Borgeson joint.  
3/4 ton lower steering arms and ends.  
US made Teflon lined Heim joints.  
Ididit designed custom tilt collapsible steering column.  
Hellcat 16" steering wheel.

### ELECTRICAL SYSTEM

Purpose built wiring harness, ignition and dash switches.  
Triple seal connectors, cross-link wire, and in-cabin sealed fuse panel.  
Isolated engine harness.  
DOT legal LED headlights.  
LED turn, tail, running and dash indicator lights.  
90 AMP single wire alternator.  
Integrated master kill switch.  
Optima battery.

### INSTRUMENTATION & DASH CONTROLS

Reliable American made Auto Meter gauges (MPH, RPM, oil pressure, fuel level, engine temperature and volts).  
Submersible high beam floor switch.  
Jewelry grade hand crafted CNC'ed stainless steel knurled, engraved and enameled dash knobs.  
LED lights indicating turn signals, high beam, parking brake.  
Three position illuminated locking differential control switch.  
12 volt marine rated power port in dash.  
Steel windshield frame latches allow for the windshield to be dropped to the hood for maximum clearance.

### INTERIOR

Seating for four, with three point belts for all.  
Polyurea floor surface coating.  
Large hidden storage bin under passenger seat.  
Standard seat surfaces finished in designer woven Chilewich marine rated UV stable vinyl.  
Rear seat fits two passengers, and is removable.  
Full Chrome Moly steel roll cage with integrated seat belt anchors and grab handles.  
Removable alloy shade canopy (affixes to cage structure).

## BODY

All-new steel body captures the original Willys character but with even greater longevity and resistance to the elements. The body is built by hand, and finished by hand by the leaders in replacement Jeep and Willys body parts for over four decades. The grill is designed and manufactured in California by ICON.

## BODY SURFACE COATINGS

The ICON is finished in a Teflon polyester hybrid super durable Cardinal powder coat originally conceived for exterior industrial architectural uses then developed specifically for the ICON. Each panel is hand finished before assembly, then the underside of the main body and fenders plus inside floor surfaces are coated in a heat cured polyurea coating for reduction of vibration and heat transfer as well as the surface environment. All finished require minimal maintenance with Fantastic-or-409 / 50% water, never needs waxing and survives many a harsh trail.

The proprietary ICON finish is available in seven standard colors (custom color option available);

*Rocky Mountain*

*Volcanic*

*Sand*

*Mayan Sun*

*Quartz*

*Spruce*

*Slate*

*Brick*

All ICON CJ3B will feature Volcanic Black windshield frames, in the spirit of the original design.

## WHEELS

BF Goodrich A/T or M/T 285/70/R17 tires with powder coated ProComp steel wheels (5).

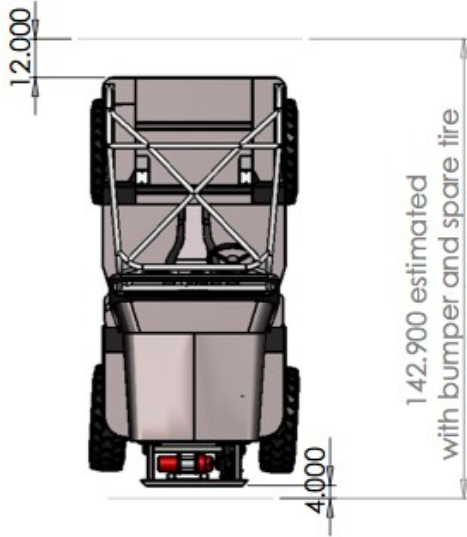
## BUMPERS

Front - Powder coated steel truss style with two D shackles. Integral pass through steel hawse fairlead.

Rear - Smittybilt with A frame custom tire carrier.

*DIMENSIONS* (estimated)

LENGTH..... 11'9" (142.9")  
HEIGHT..... 6'4.8" (77.73")  
TRACK WIDTH.....5'3" (63.85")  
WHEELBASE.....7' (84")  
CURB WEIGHT..... 3100 lbs.



*THE ENVIRONMENT*

We built ICON with the premise that the people who spend the most time in wild places have the greatest interest in preserving them. So the Icon is built with a sense of the environment and recycling responsibly. The Icon emits less harmful emissions in a day full of stop and go driving than the original inspirations did sitting in a field venting gasoline fumes. Its modern drive train design provides ample Horse Power and torque while reducing emissions and increasing efficiency thanks to its intelligent gearing, modern fuel injection system, oxygen sensor circuit, and sealed fuel system.

We further reduce environmental impact by recycling an older vehicle instead of producing of a new one.

No CFCs or VOCs are emitted in the production of the Icon.

## OPTIONS

The purpose of this Limited Edition is to refine our design, and trial all of the CAD files by physical fit, to ensure perfection of our vision. Your Limited Edition CJ3B may come with additional features and options, as we realize some of the peripheral options and accessories to further the brand. We will review a list of standard options together, to better match your style and utility needs. Special design needs or requests invited.

## AVAILABILITY

All Icon are built by hand in California by dedicated craftsmen in very low volume. Production is extremely limited. Please inquire.

Our vehicles are hand built by the designer and a small dedicated crew, and serial tagged in sequence.

In the future, our production model may vary in many ways. Pure electric variants, diesel variants, and engineered component vehicle sales programs are all under consideration. Thank you for allowing us to realize our designs!

## CONTACT INFORMATION

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ICON CJ3B™



ICON FJ40™



ICON FJ43™



ICON FJ45™



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