



ROBBY GORDON – TODD ROMANO

DANIEL GRANGER – KYLE SWOBODA

SPEED  UTV

Design Presentation Document

FOR PUBLIC RELEASE: 04/15/2020

SPEED UTV 4 SEAT

SPEED UTV



GENERAL

SUSPENSION

STEERING

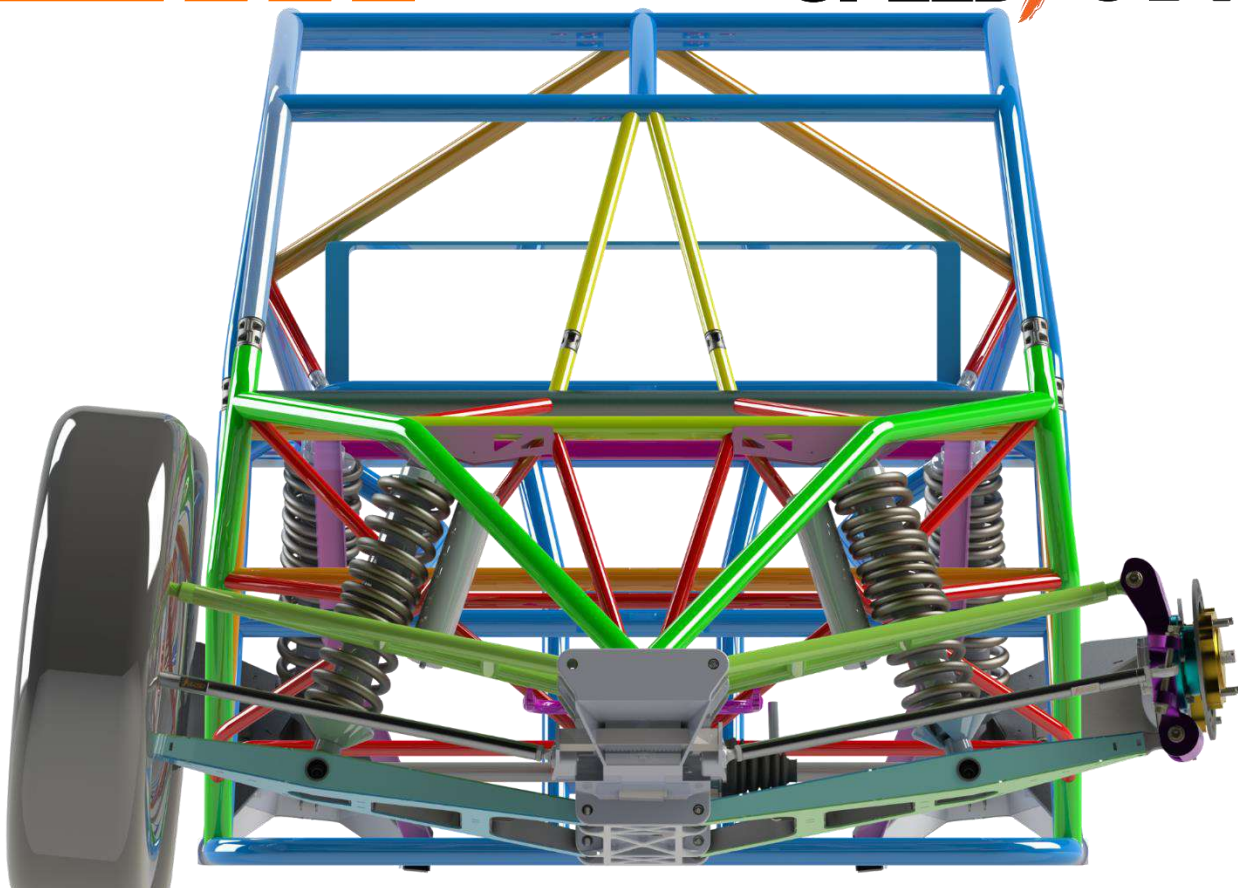
CHASSIS

BODY

INTERIOR

DRIVETRAIN

- **Horsepower: 230hp-300hp (e85)**
- **Wheelbase: 120"**
- **Ground clearance: 15"**
- **32" tires stock , will clear up to 35" tires**





sean_lorenzindustries How many parts and gears are already developed and being used and available on the market. What % of this trans is going to have to be poured and made from furnaces and new molds?



Building gears and shafts and moulds from scratch is the biggest challenge we see you facing in the next 7 months. Give us insight into those realities. Saying "your not on that 3-4 year development train" is not a sufficient answer. Telling us 90% of the gears are already on the shelf is a reasonable answer.

2h 1 like Reply



robbygordon @sean_lorenzindustries Sean, thanks for the tough question and I will do my best to answer. Do you want me to send you some popcorn 🍿 while you sit on the couch and watch 🤪🤪



51m Reply



sean_lorenzindustries @robbygordon yes.



I'm not trying to be an ass by asking the tough questions in public that people are asking in private. I do want to see this succeed.

You have my 2 requests, post them on your media feeds. Ill ask a couple more when your ready on the live feed this week.

Bearings and bolts are high quality purchased items, everything else, gears, shafts, shifting forks are all newly designed, cast or forged



tcc553 With most other UTV brands, the dif and gearboxes weak link seems to be the cheeper China bearings. Will Speed be using a better quality bearing vs the competition? Assuming with Albins & Weddles input they would be recommending a better bearing. Also is their some sort of built in fuse to protect the driveline?



2h 1 like Reply

Bearings are a key part of any rotating system. We will make sure to provide the highest quality we can. Albins, Weddle and other experienced off road engineers have provided amazing support and will continue to in the aftermarket. As for the “driveline fuse” yes we have incorporated a torque limiting clutch that will protect the drivetrain to torque spike loads and will discuss in this presentation.



Jaime De La Torre 

Maybe it was covered already but what tire will you be using? Sorry my question wasn't transmission related.

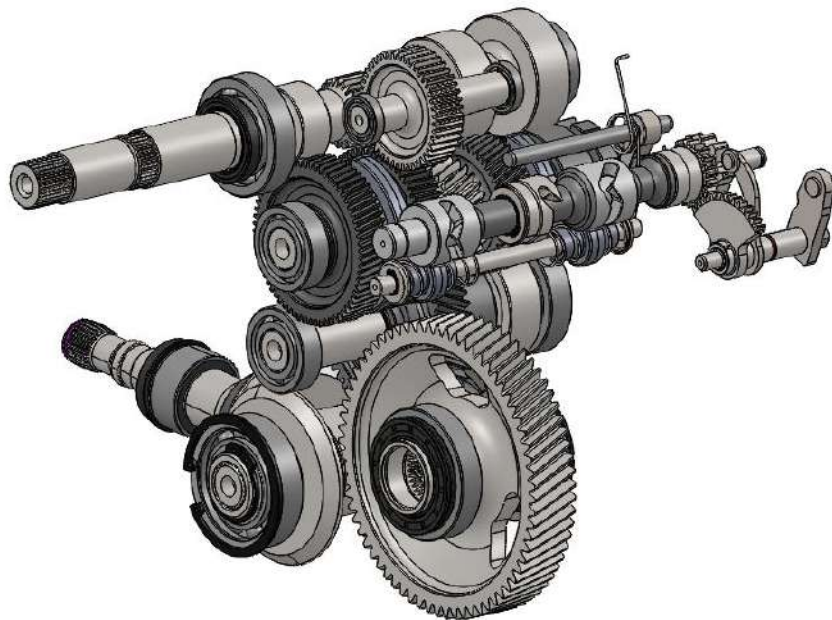
12m Like Reply

**We have designed our own Speed Branded tire. And there is a 75% chance these will be on all LE cars.
Stay tuned for a sneak peak at the end of this presentation.**

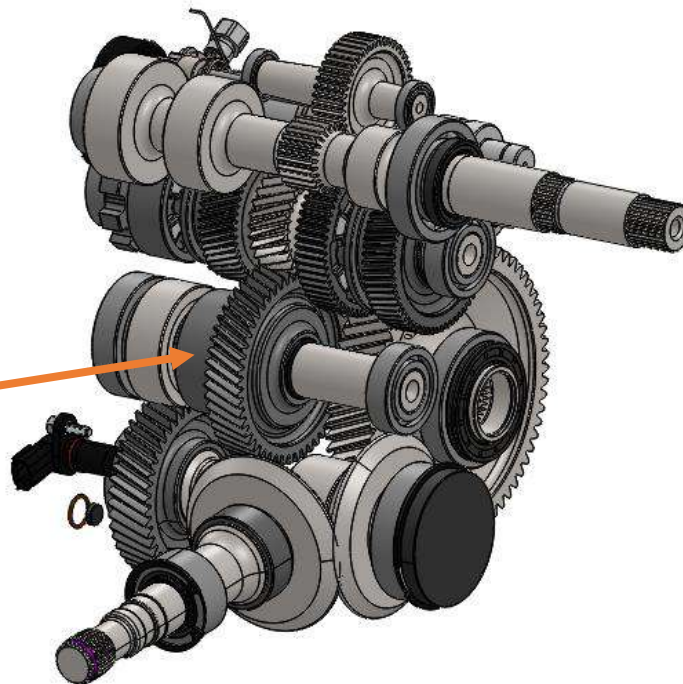
- High Pressure cast aluminum
- First shifter for P-R-N-Lo-Hi-Cruise
- Second shifter for 2wd-4wd-Front Locker



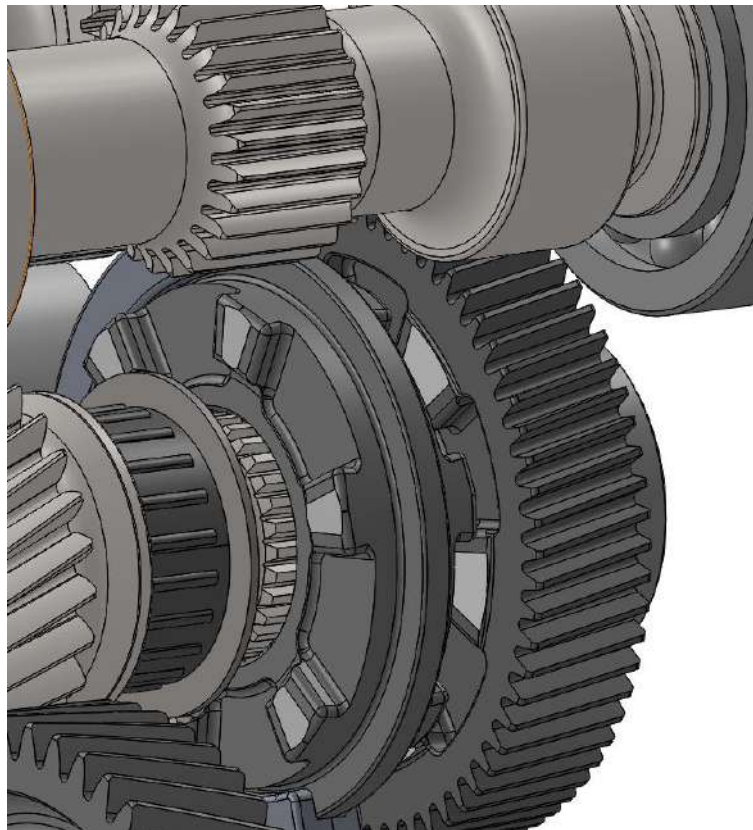
- **3 Forward Gears**
 - **P-R-N-Lo-Hi-CRUISE**
- **Largest input shaft on the market**
- **Industry Leading gear face width.**
- **Industry exclusive torque limiting clutch.**



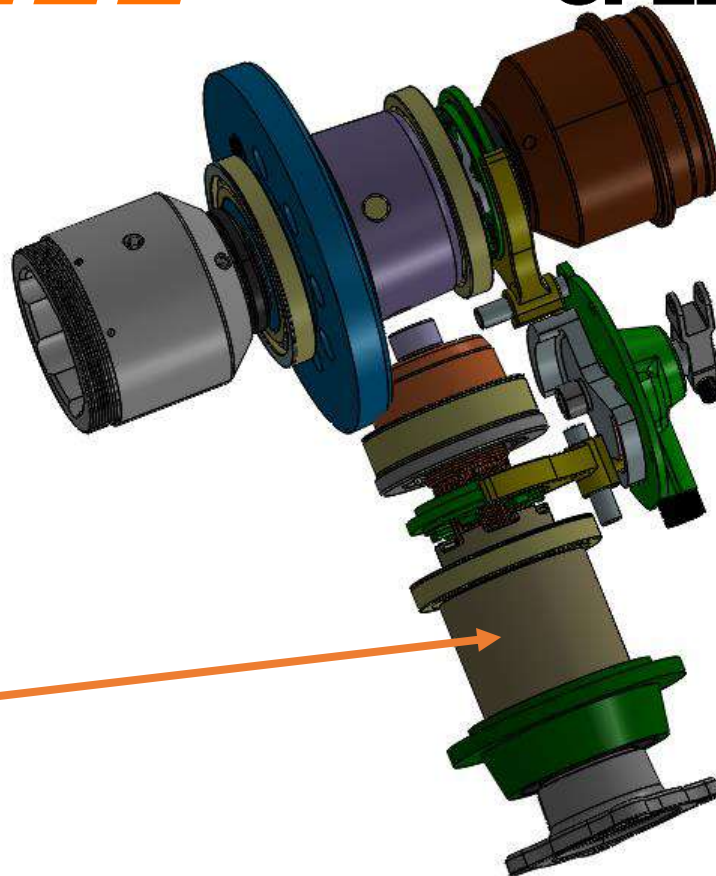
- **3 Forward Gears**
 - P-R-N-LOW-HI-CRUISE
 - 3rd Ratio is 1:1
- **Industry exclusive torque limiting clutch built into a reduction gear**



- Dogged gears
LOW-HI-CRUISE



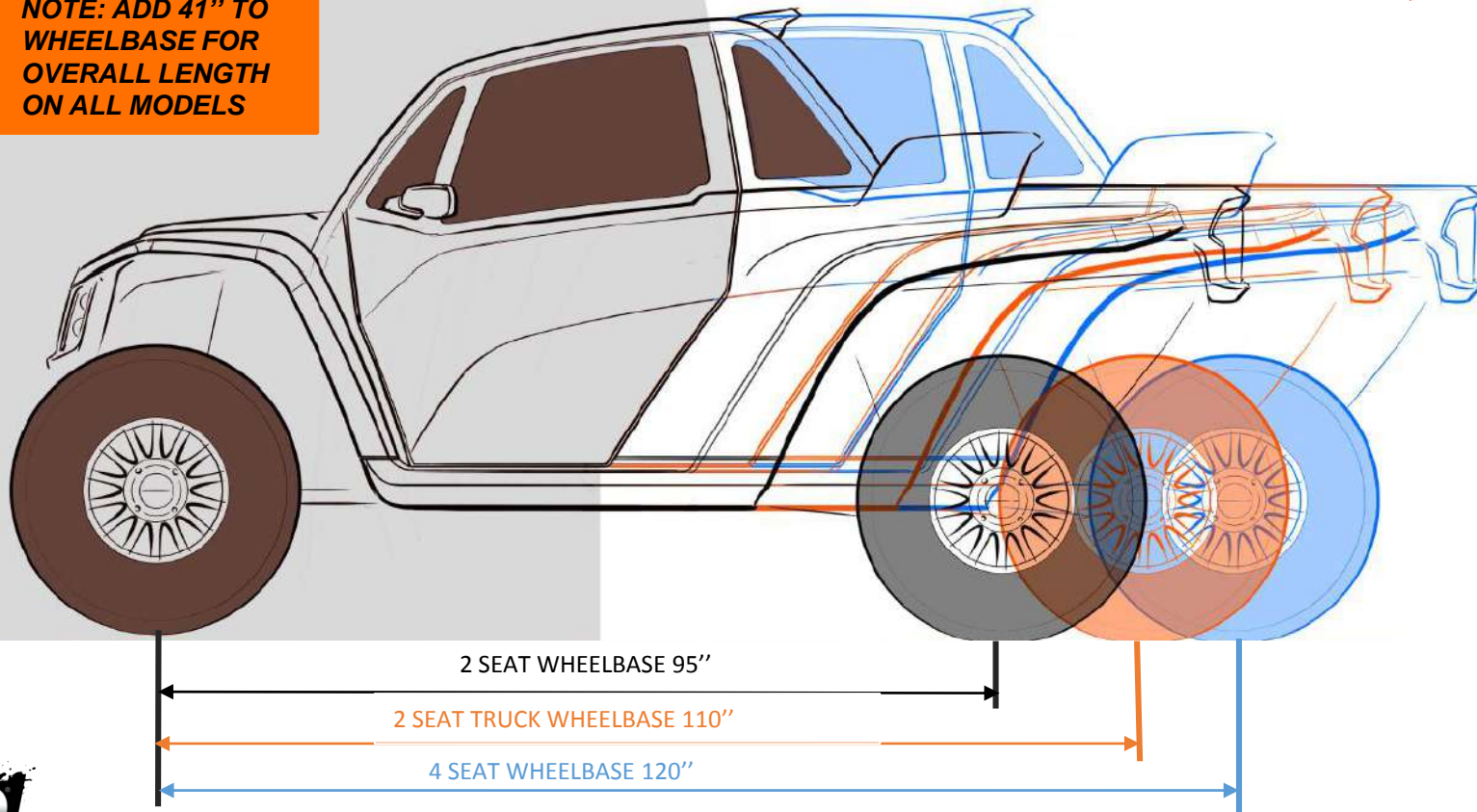
- Manual 4WD and Front Locker
- Shift on the fly thanks to Dog engagement
- Larger Ring and Pinion
- Patented CV locking mechanism (front and rear)
- Torque limiting clutch for driveline protection

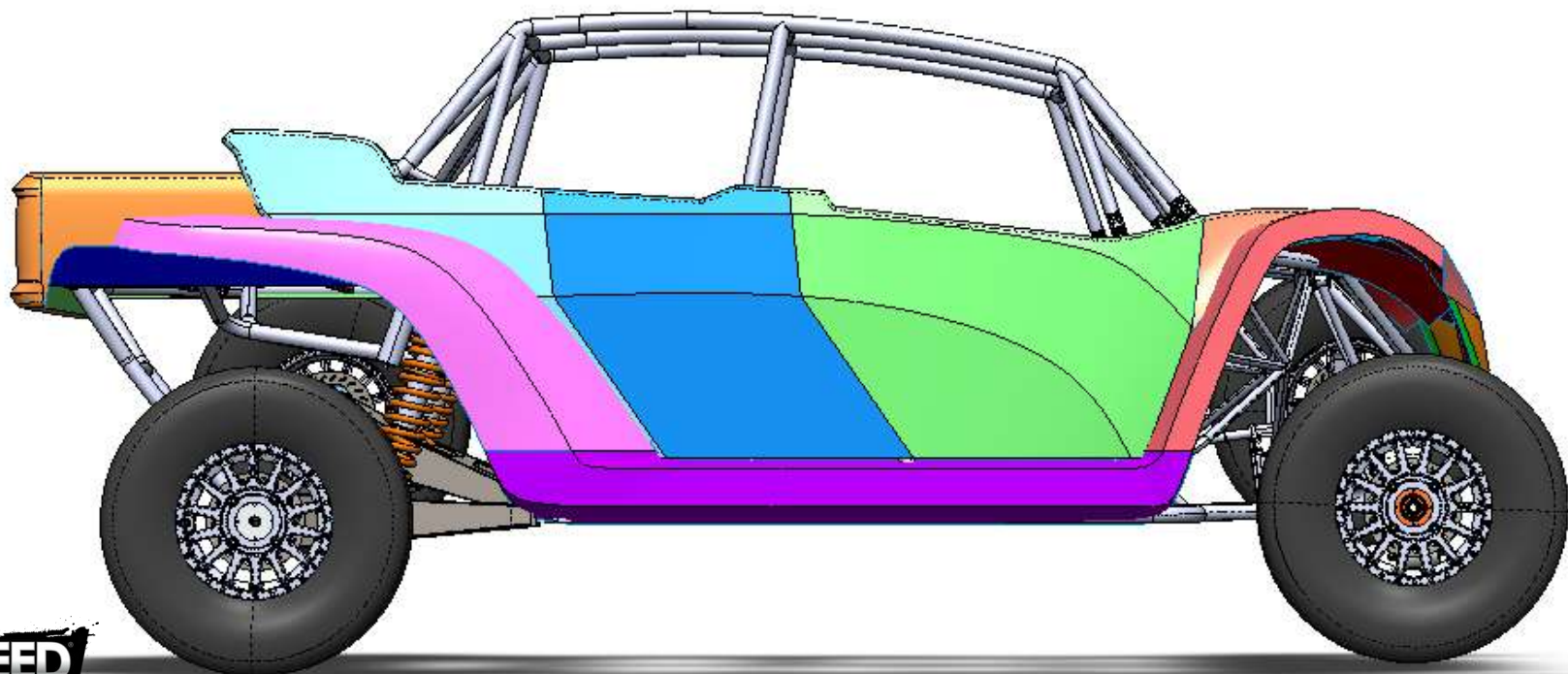


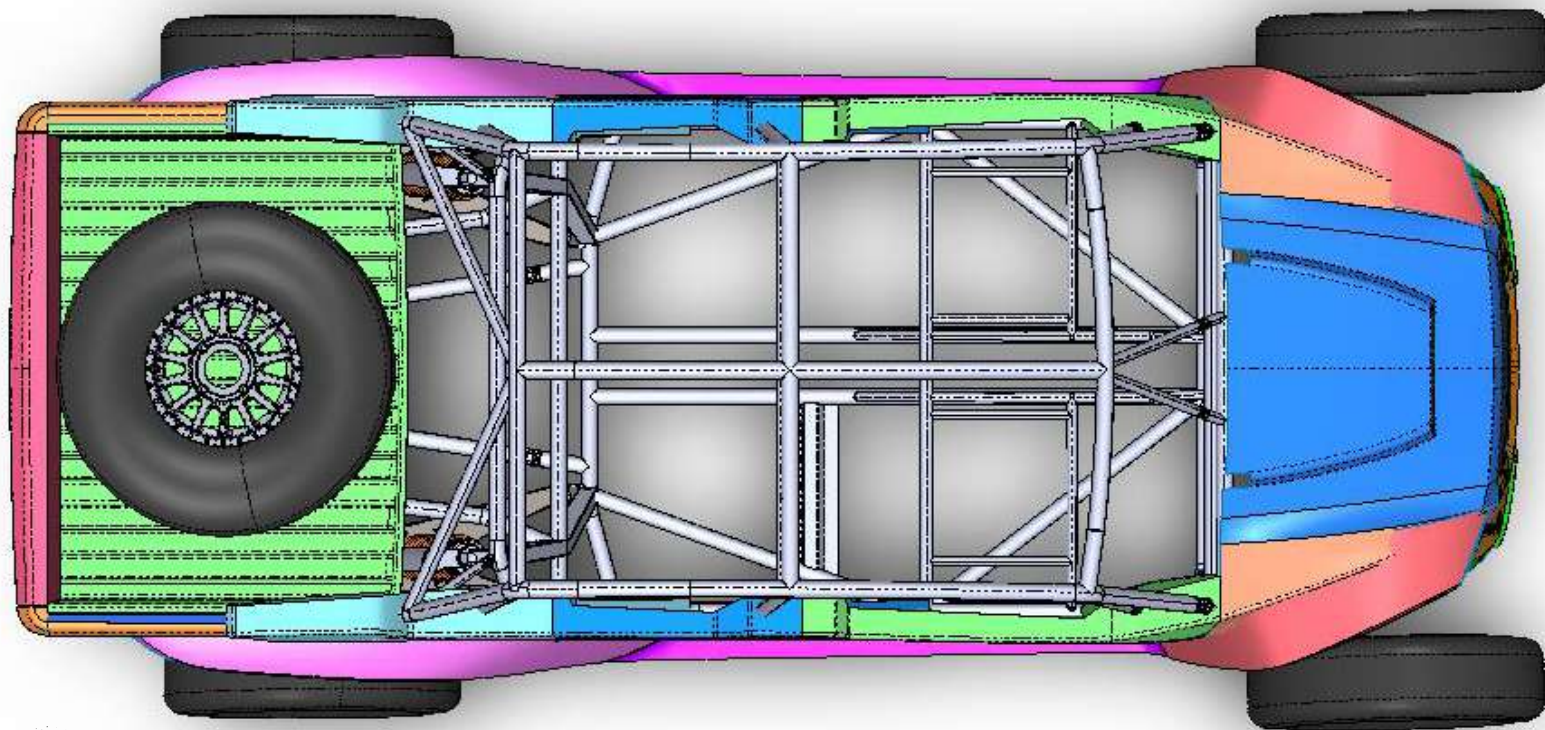
WHEELBASE

SPEED UTV

- **NOTE: ADD 41" TO WHEELBASE FOR OVERALL LENGTH ON ALL MODELS**



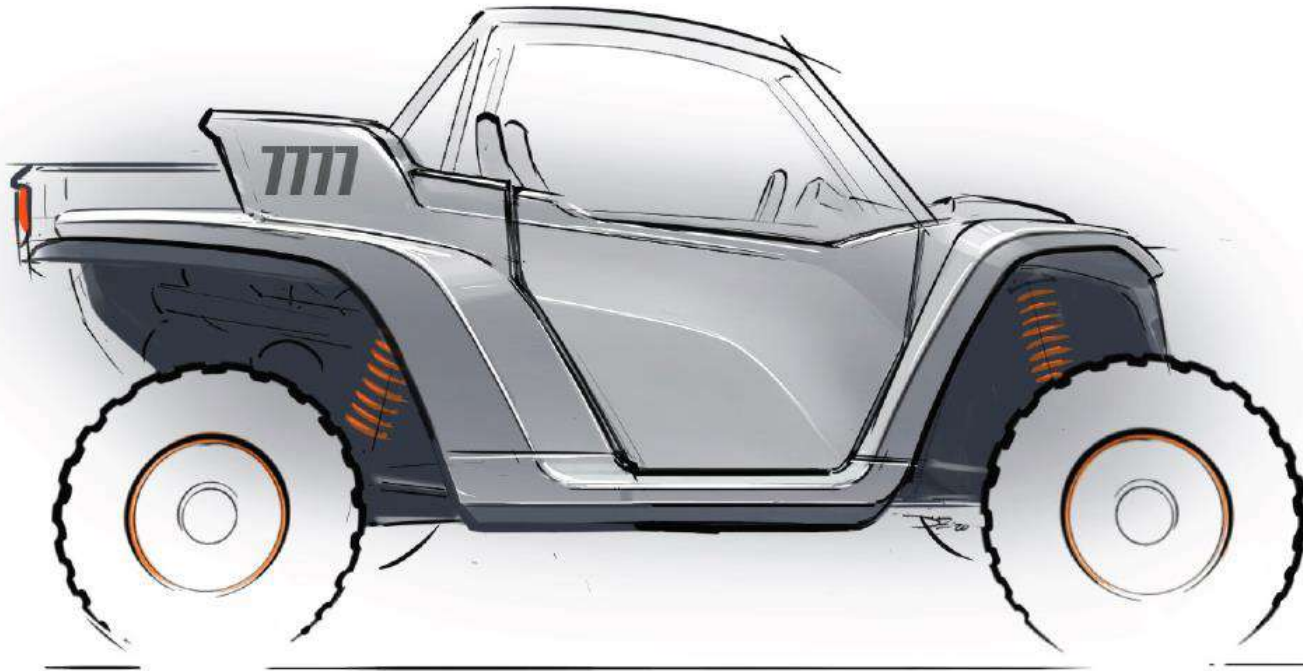


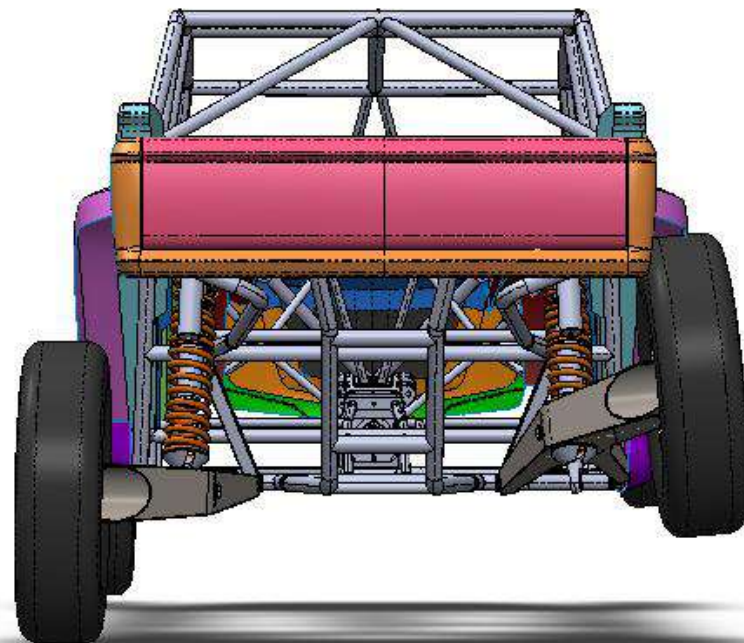
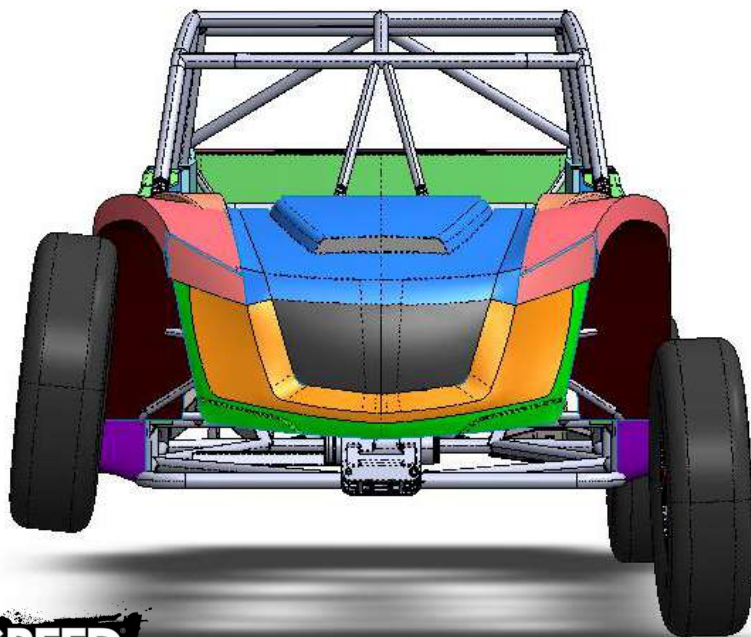


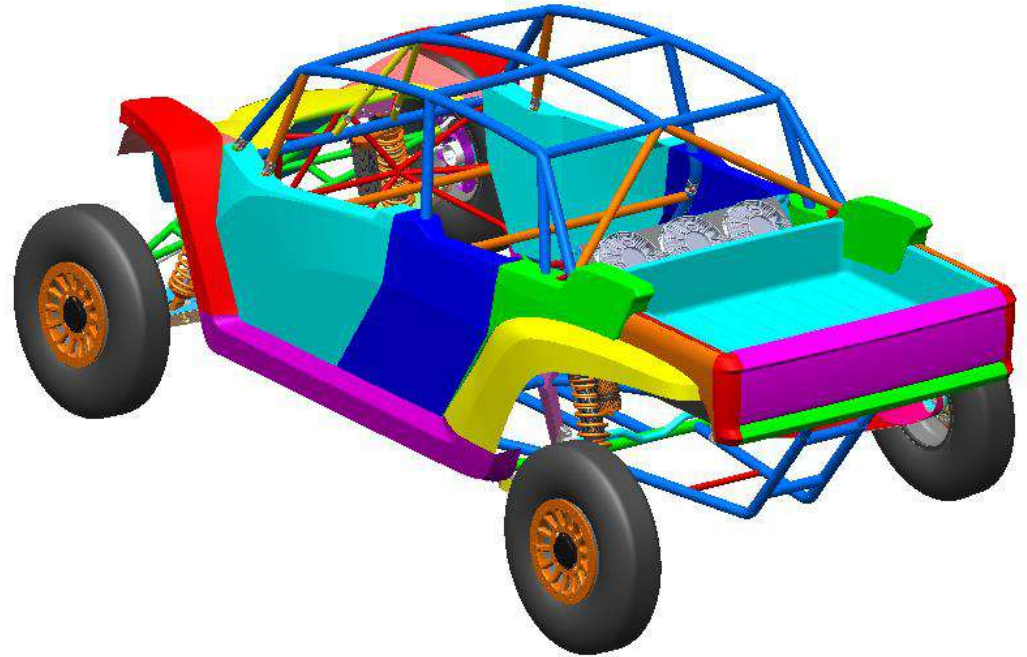
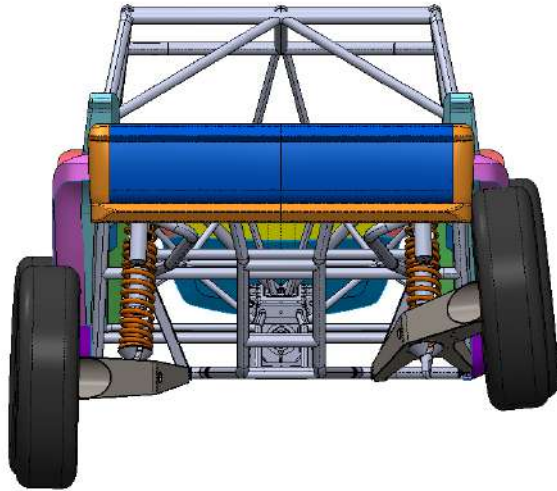
SPEED UTT: 2 SEAT 110" WHEELBASE

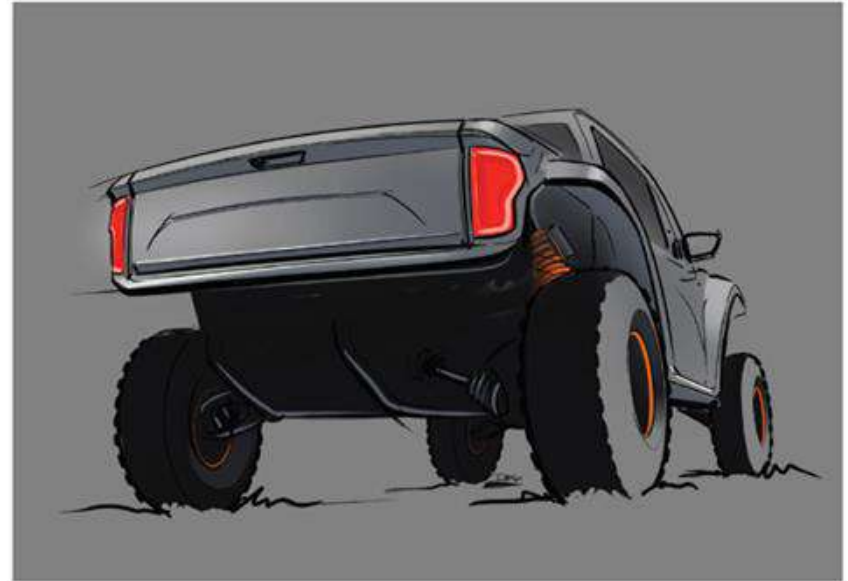
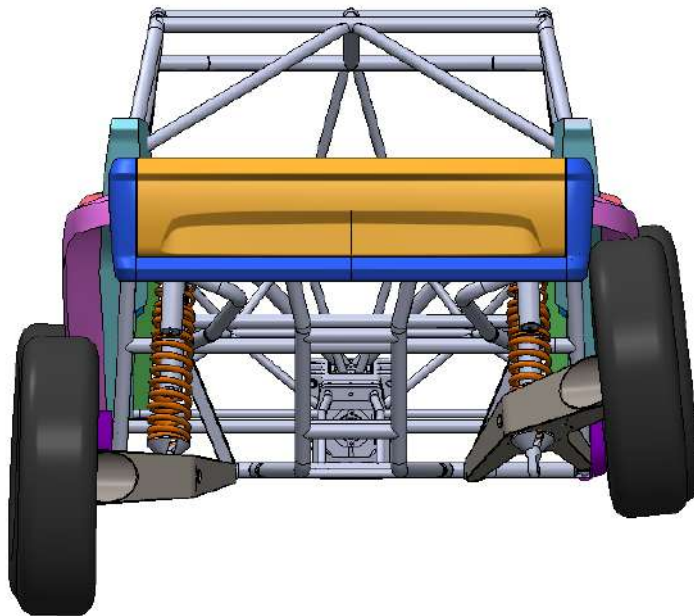
SPEED UTV



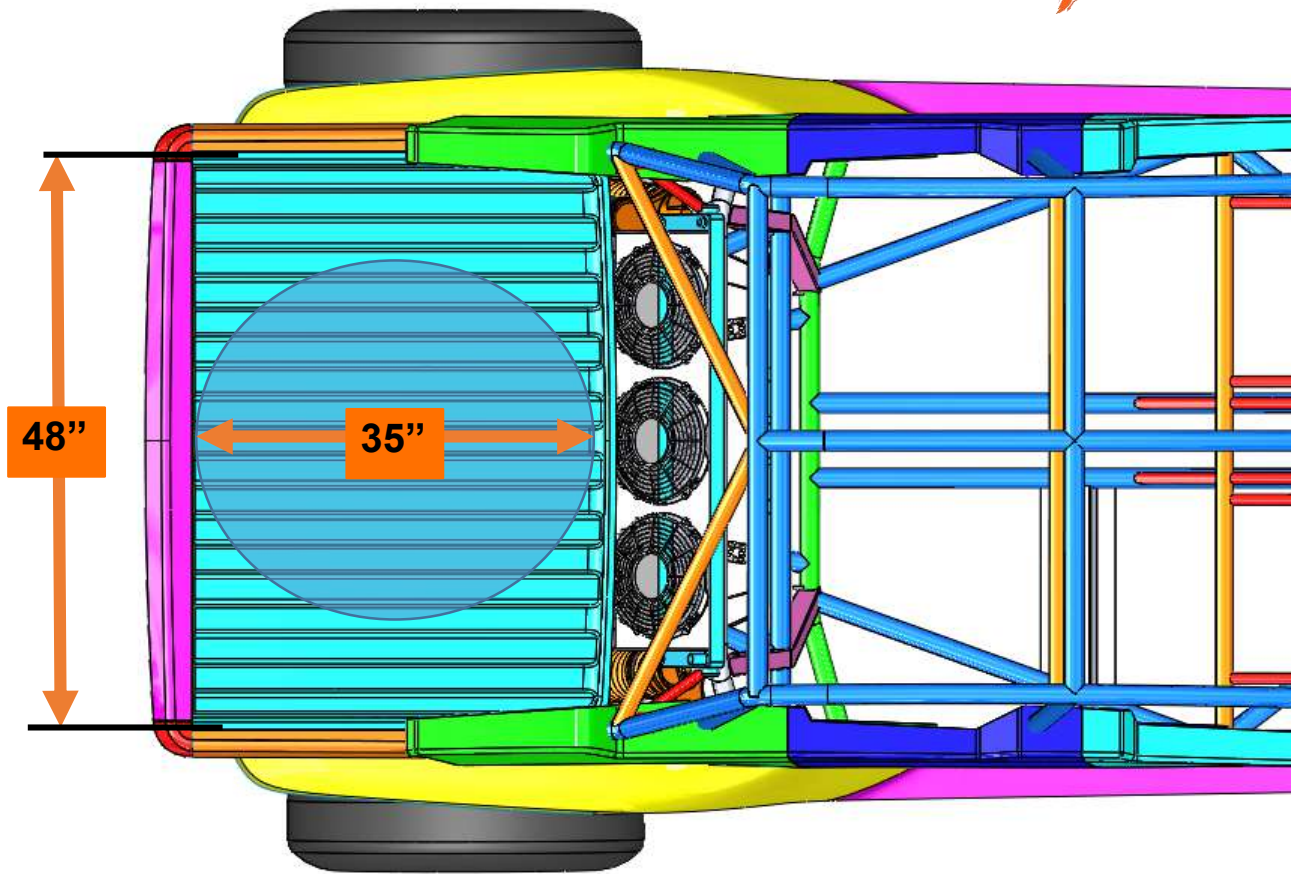


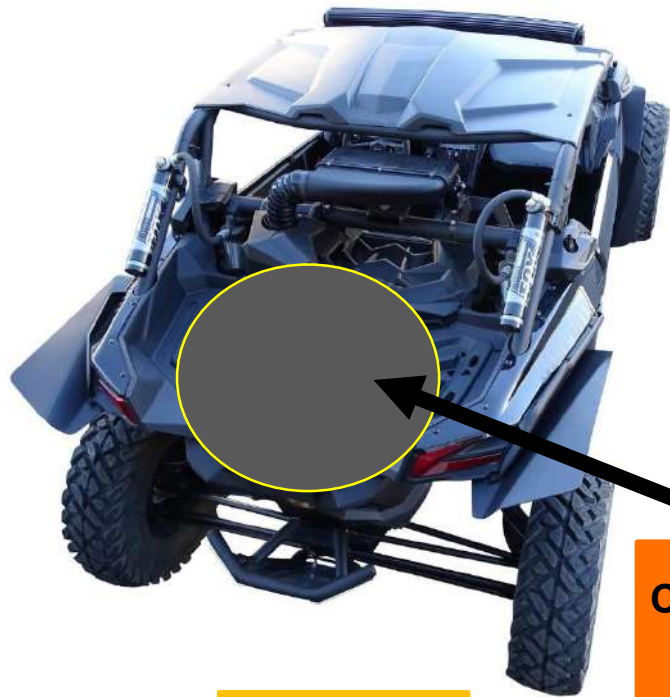






- Bed is sized to accommodate 35" spare plus many additional accessories





CanAm X3

**Can't fit spare tires
in bed**



Polaris RzR

- 10" Configurable Display
- Bluetooth & Wi-Fi connectivity
- Phone screen mirroring (Google maps, maps.me, buddy tracker, etc.)



WHEELS: WITH TIRES

SPEED  **UTV**



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BODY

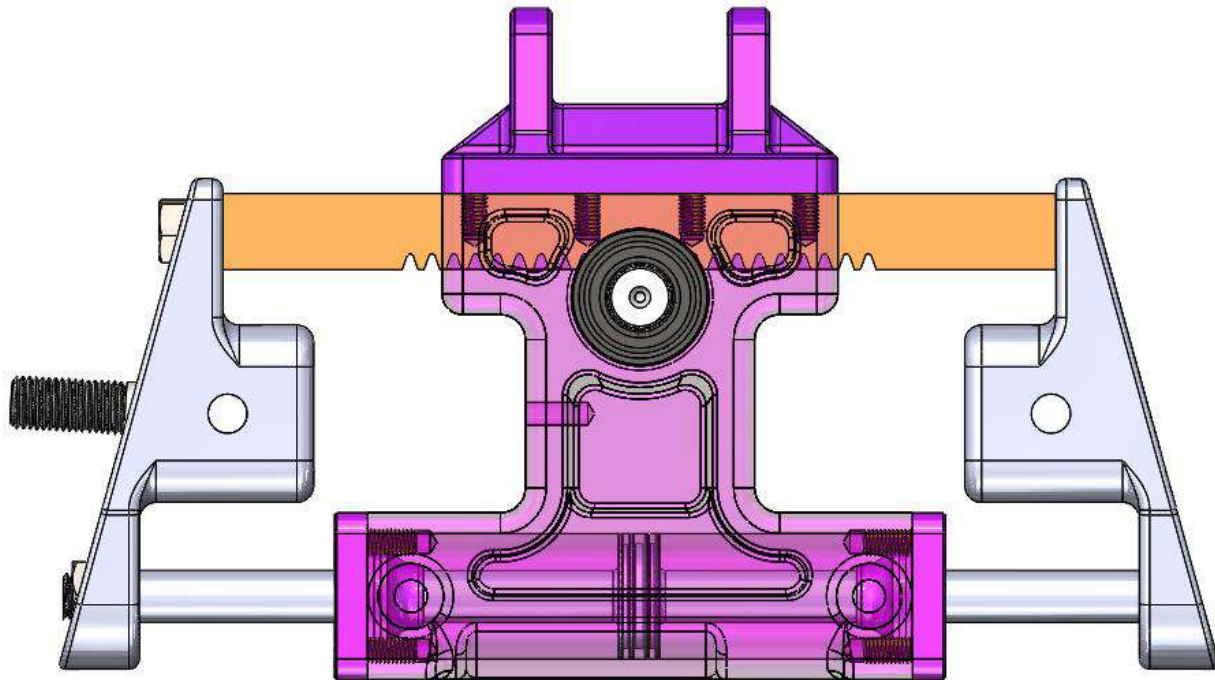
INTERIOR

DRIVETRAIN

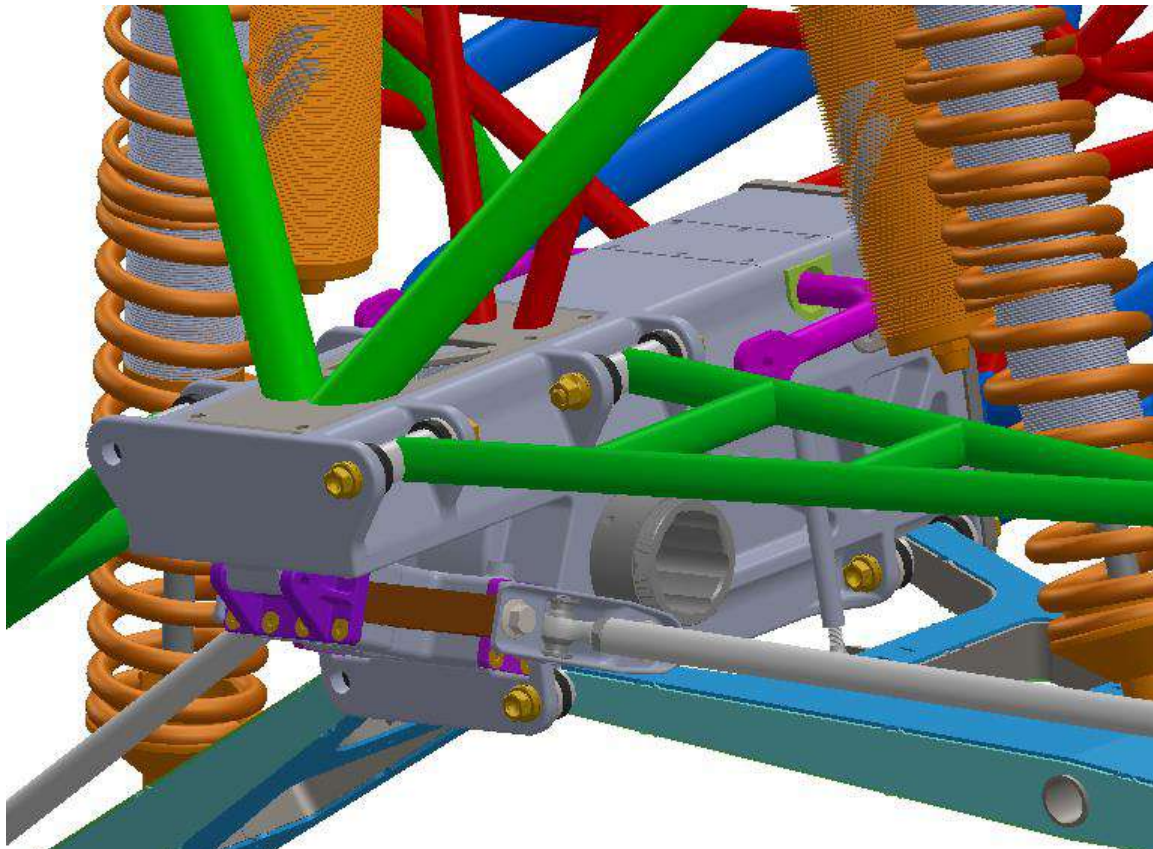
- 3.25" Internal Bypass
- 12" Stroke
- 360 degree clock-able piggyback reservoir
- External Independently adjustable rebound and compression
- Dual rate springs
- Finned reservoir



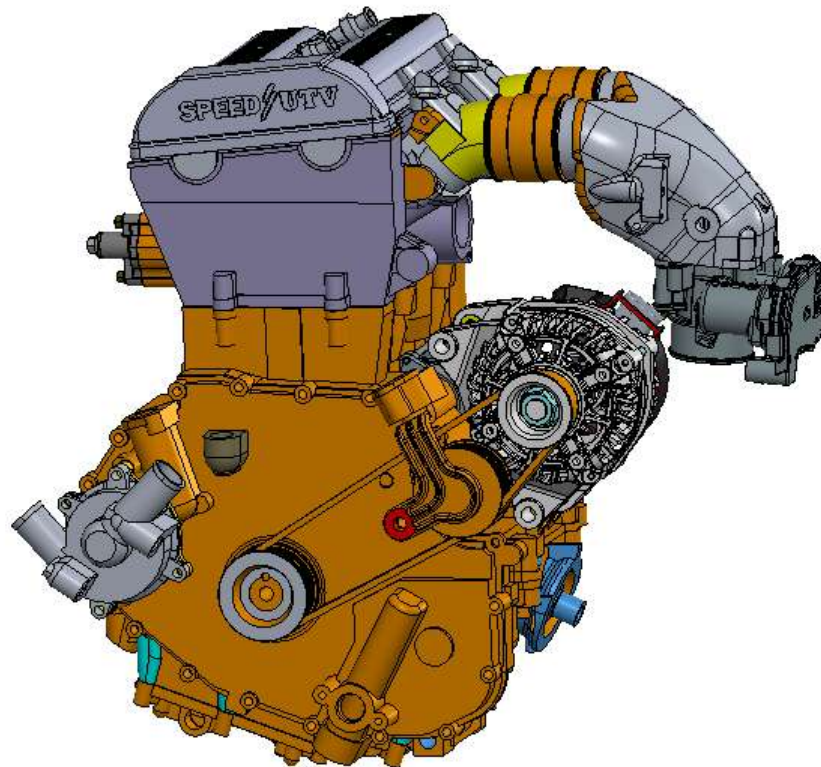
- **Electo-Hydraulic assist power steering**
- **1.75:1 Ratio**
- **Less than 0.5 deg. of Bump steer**



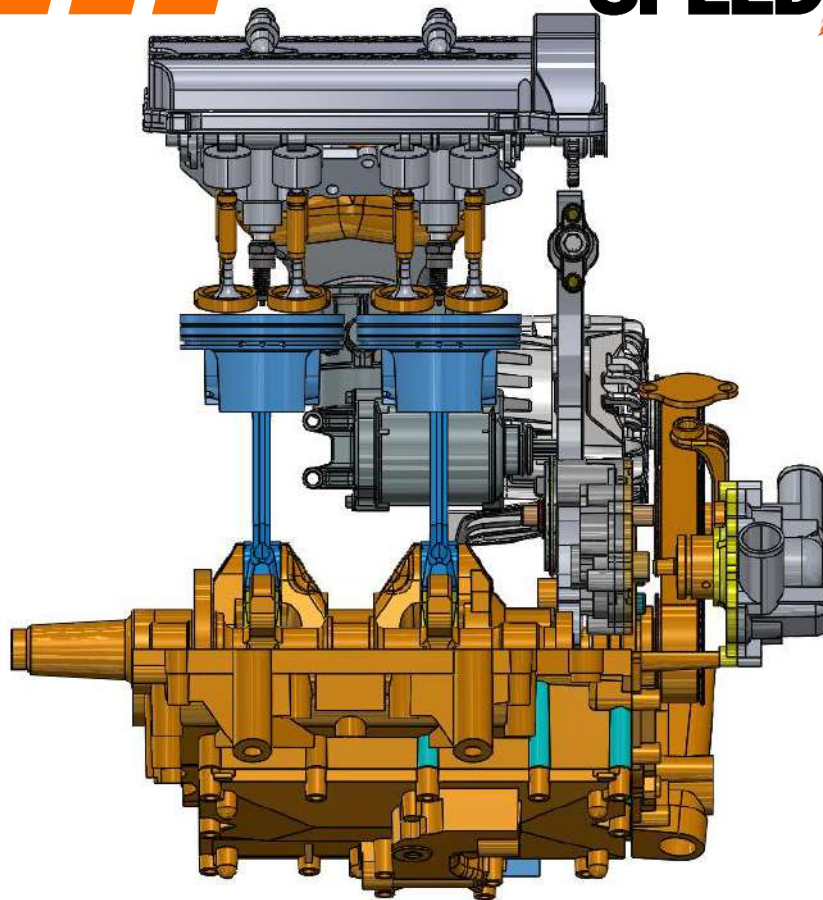
- Patented RG AWD Trophy Truck (Unicorn) inspired Bulkhead
- Mounts suspension, steering, and front differential all in one structure



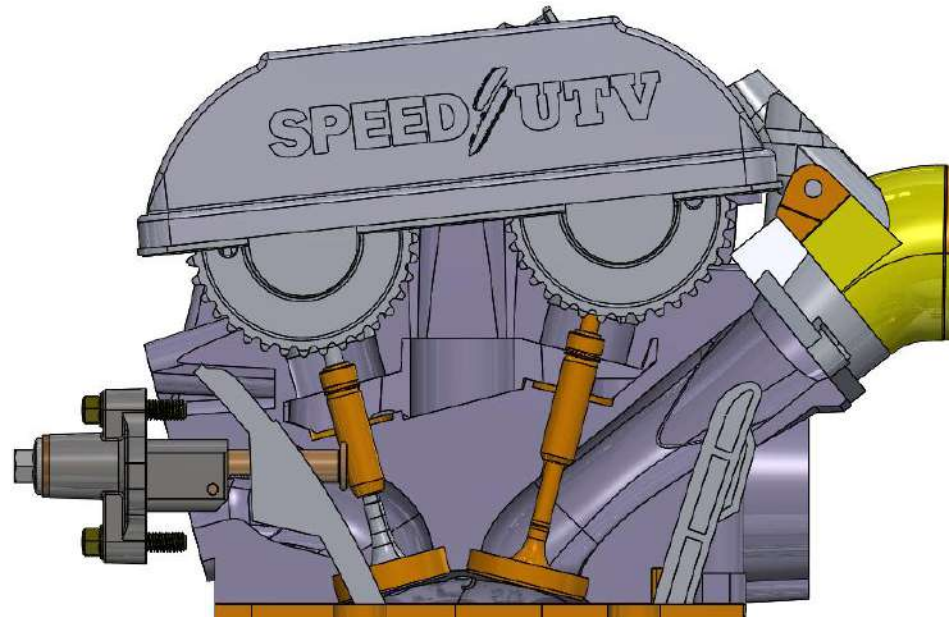
- 230Hp (300 Hp on E-85)
- 999CC
- Turbocharged
- 2 Injectors per cylinder
- 4-Valve DHOC



- Bore: 98mm
- Stroke: 66.2mm
- Number of Cylinders: 2
- 4 valves per cylinder
- Forged, Rods, Pistons & Crank



- Ports designed by Indy Car/NASCAR/Racing Motor Engineer
- Flow optimized for maximum efficiency and minimized hot spots
- 12mm Spark plugs
- Dedicated cooling circuits for ports and sparkplug





PRODUCT OVERVIEW





Octanium – Real #'s, Real Boost



VP MADDITIVE Octanium™

32oz. treats up to 10 gallons (38 Liters)

- Increases horsepower
- Increases octane up to 80 points (**8 FULL #'S**)
- Eliminates knocking and pinging
- Lead substitute
- Improves throttle response & acceleration
- Cleans fuel injectors
- Eliminates gum and varnish build-up
- Big performance gains with tunes
- Retail for \$21.95 (32oz)



MADDITIVES – Coolant Care

VP Madditive™ COOL DOWN Coolant Performance Improver
16oz. treats up to 20 quarts of Water/Coolant (18.9 Liters)

- **Lowers cylinder temps by up to 75°F**
- Improves heat transfer
- Protects sensitive aluminum alloys from corrosion/erosion
- Lubricates all vital coolant system components
- Ideal for racing, street, RV's and tow vehicles
- Safe for all radiator systems
- Formulated for use with today's new OAT-formula engine coolants
- Meets ASTM D3306 specification as stand-alone engine coolant
- Contains multiple surfactants for unsurpassed temperature reduction
- Retailers for \$11.95 (16oz)





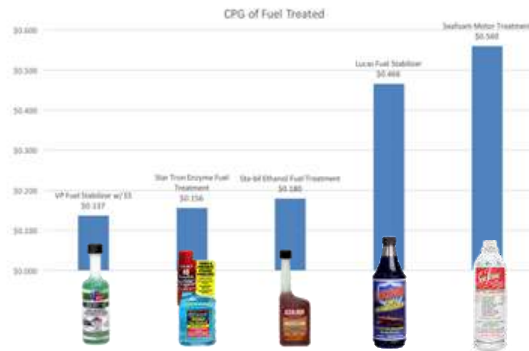
MADDITIVES – Stabilization & Protection



VP Madditive Fuel Stabilizer w/ Ethanol Shield™

8oz. treats up to 80 gallons (303 Liters)

- Eliminates ethanol fuel problems for all 2 & 4 cycle engines
- Top tier detergent – reduces need for higher octane as machine ages
- Phase separation inhibitor
- Mil-spec anticorrosive & antioxidant package (up to 25x better than competitive products)
- Lubricates upper cylinders
- Reduces heat
- Extends engine life
- Protects and prevents repairs
- Stabilizes fuel for up to 3 years
- EPA registered and street legal
- Dramatically slows fuel aging
- Retailers for \$10.95 (8oz)





VP Racing Brake Fluid

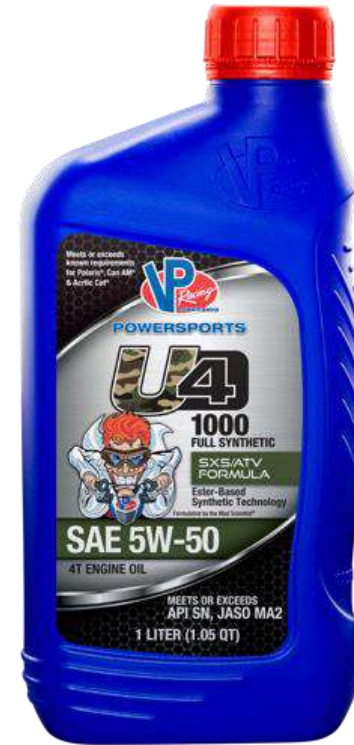
- Optimized for professional racing applications
- Highest boiling point DOT 4 chemistry
- Extreme resistance to fade for better pedal feel
- High heat threshold that resists vapor lock in the most demanding conditions
- Ideal for both carbon and ceramic racing brakes
- Dry boiling point: 622°F (328°C)
- Wet boiling point: 404°F (206°C)
- DOT legal brake fluid - compatible with modern ABS and other vehicle dynamic control systems
- Retail \$26.95 (16.9 oz)





UTV/ATV 4 Cycle Engine Oil

- UTV/ATV 4-Cycle Engine Oil
 - Conventional (Mineral)
 - Available in SAE 10W-40, 20W-50
 - Full Synthetic
 - Available in SAE 0W-40, 10W-40, 5W-50, 10W-50
- Formulated to meet the specific demands of UTV/ATV machines
- API SN & JASO MA2 Performance
- Conventional SAE 10W-40
 - Honda, Yamaha, Kawasaki, Suzuki & Artic Cat Machines
- Full-Synthetic SAE 5W-50
 - Polaris, Can-Am & Speed UTV machines
- Nearly 100% market coverage with 2 SKUs!
- Retailers 6.99 – 15.49/liter





Buy VP Products

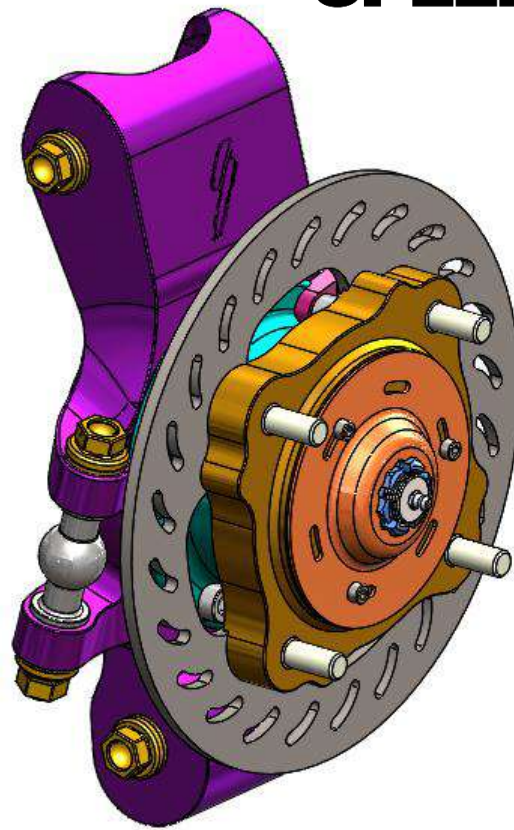
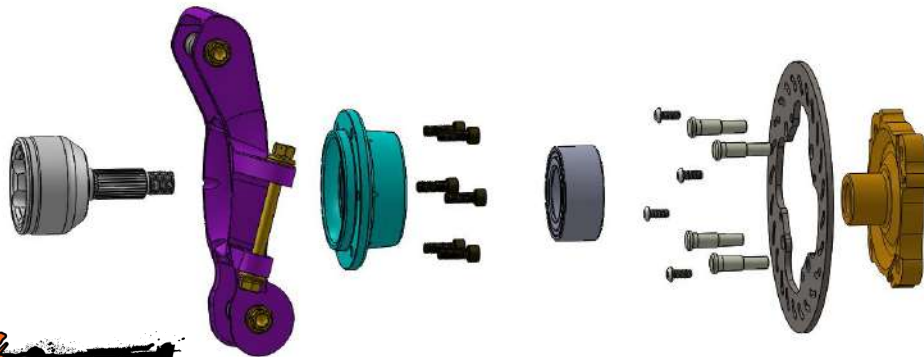
summitracing.com/go/vpracingfuels

Get 20% Off VP Racing products using Promo Code –
20OFFVPR

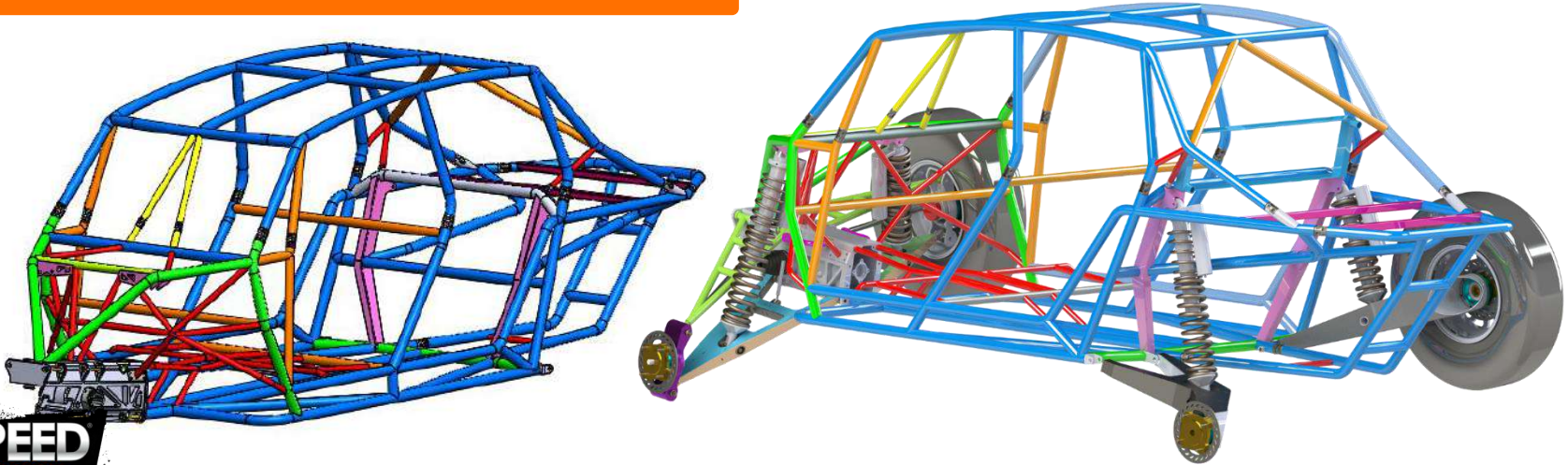
Offer Ends April 29, 2020



- Forged Aluminum Upright
- Universal Hub and bearing (all 4 corners)
- Fully shouldered bolts



- Seamless tubing
- Added factory FIA style A-Pillar support
- Patented V-Bars front & Rear
- Patented Roof Spine



UTV FAILS

SPEED ENERGY UTV



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SUSPENSION

STEERING

CHASSIS

BODY

INTERIOR

DRIVETRAIN

UTV FAILS

SPEED ENERGY UTV



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SUSPENSION

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