

TRUCKZILLA

.46 ENGINE • MASSIVE WHEELS AND TIRES • LONG CHASSIS

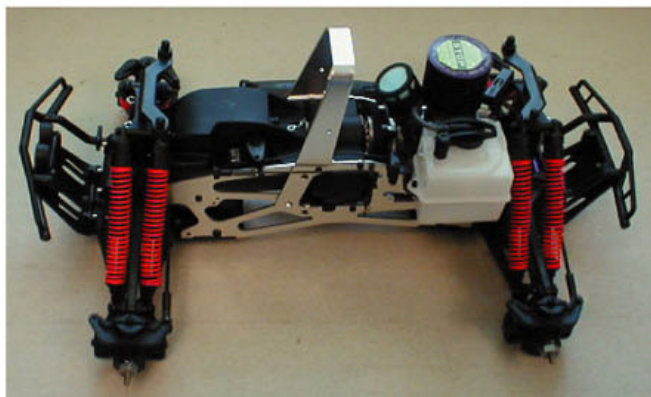
Instruction Manual



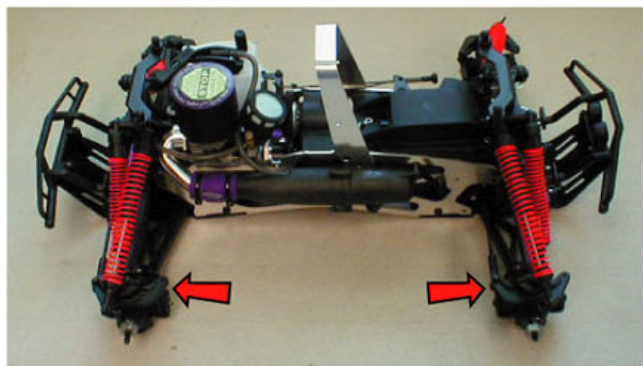
HOT BODIES



Step 1: Clean and prepare Savage truck and work area.
- See page 5 of your savage manuel for equipment needed



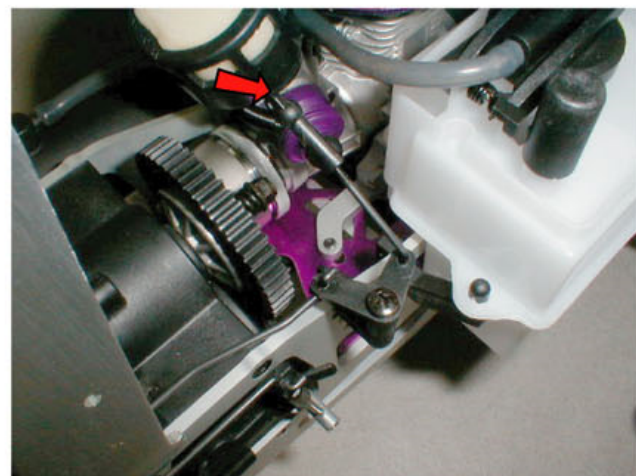
Step 2: Remove wheels (4 pcs).



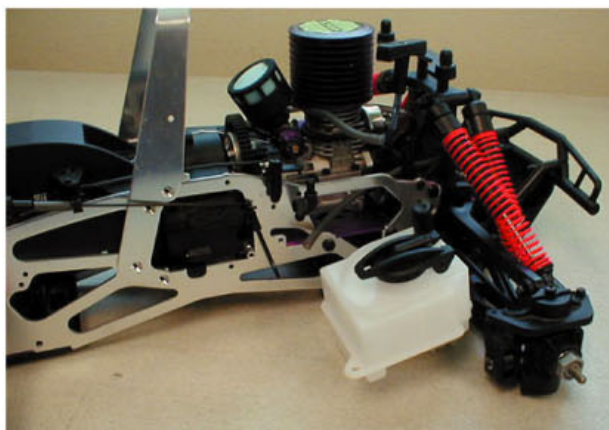
Step 3: Remove Shocks from lower suspension arms (8 shocks).



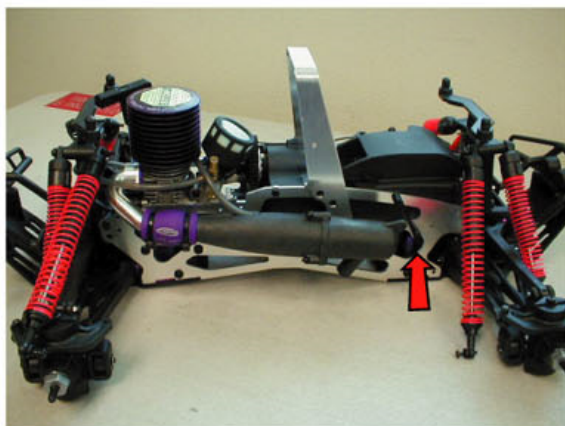
Step 4a: Remove brake linkage.



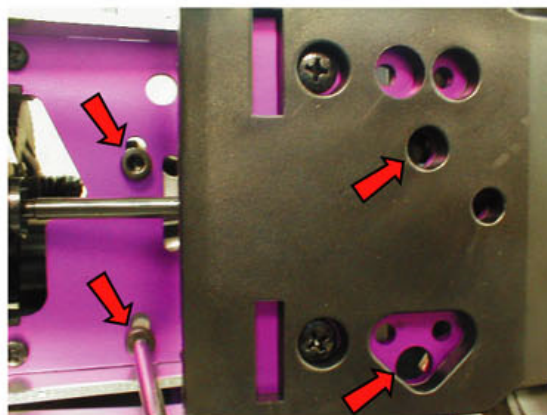
Step 4b: Remove Throttle Linkage.



Step 5: Remove fuel tank.



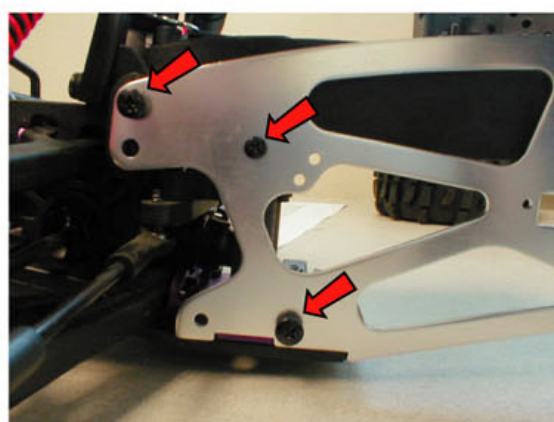
Step 6: Remove stock tuned pipe holder.



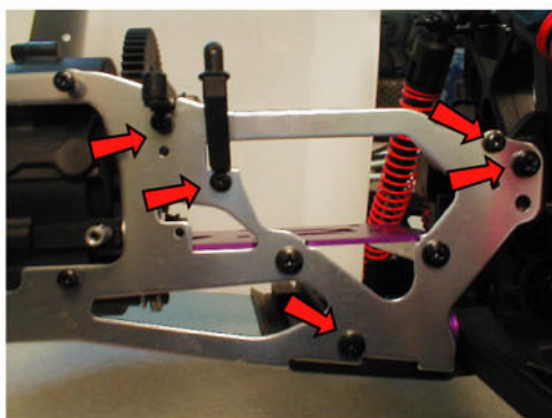
Step 7a: Remove engine mount screws (4 pcs.) located on the underside of the engine plate.



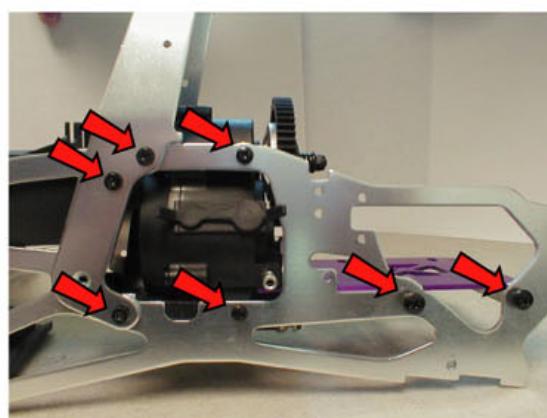
Step 7b: Remove engine.



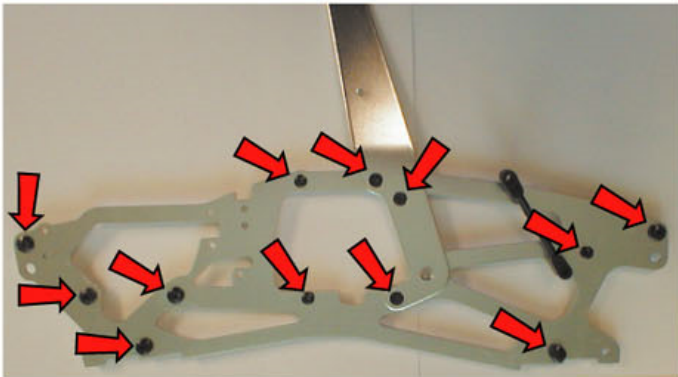
Step 8a: Remove left chassis vertical plate. (Left side only)



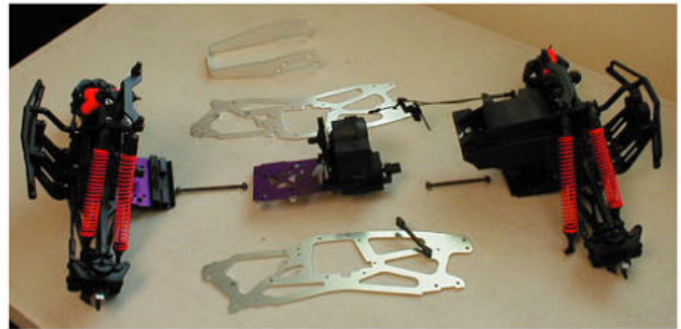
Step 8b: Remove chassis vertical plate. (Left side only)



Step 8c: Remove chassis vertical plate. (Left side only)



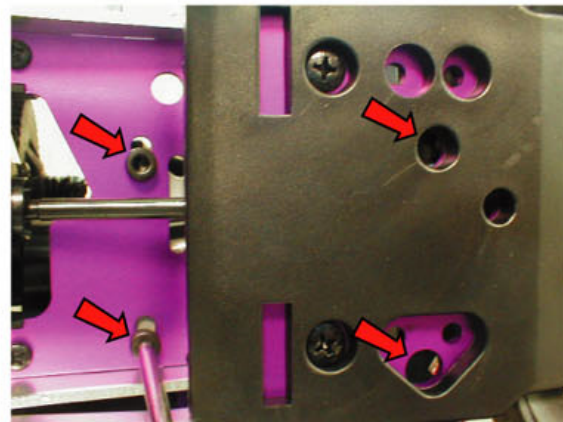
Step 8d: Remove right side chassis vertical plate.



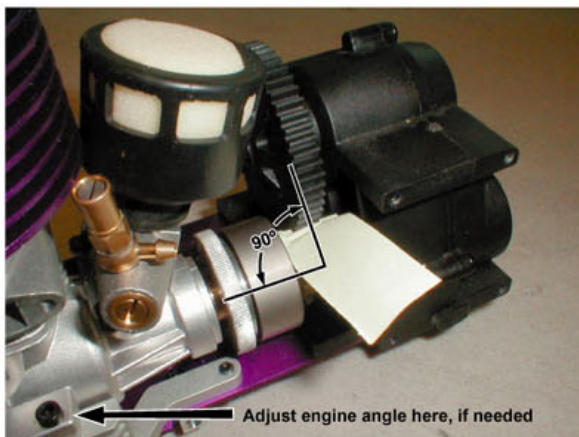
Step 8e: Remove chassis vertical plates.



Step 9a: Install Big Power Turbo Thunder Block (.46 engine) onto mounting plate.
- note: Do not fully tighten screws.
- Install air filter and throttle return spring



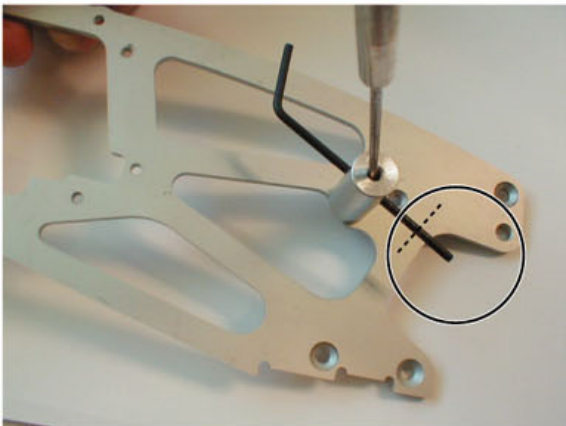
Step 9b: Install Big Power Turbo Thunder Block (.46 engine) onto mounting plate.
- note: Do not fully tighten screws.
- Install air filter and throttle return spring.



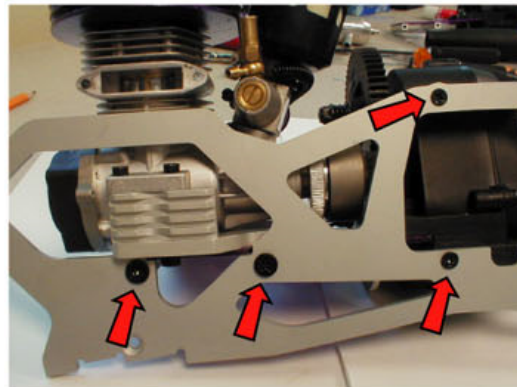
Step 10: Using a piece of paper between spur and clutch bell, adjust motor location until gear spacing is tight. Make sure crankshaft and spur gear is at 90 degrees. Once the gear spacing is set, tighten engine mount screws. Rotate Spur gear until paper is free.



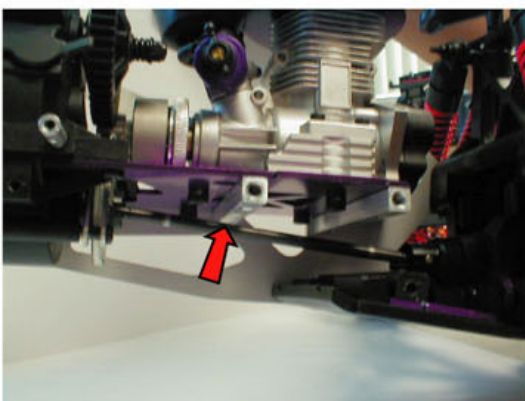
Step 11: Install new tuned pipe mount.



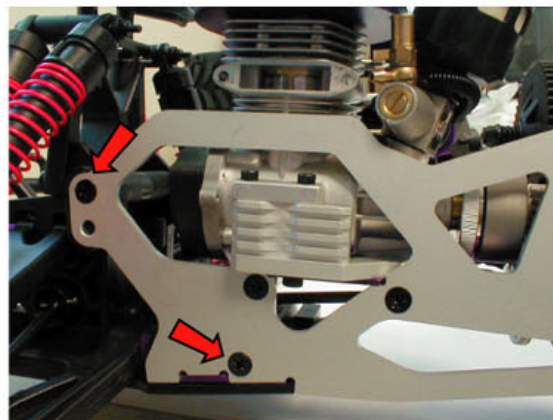
Step 11b: After assembly, if there is not enough space in between the steering linkage rod and mounted wire for tuned pipe, cut this wire as needed.



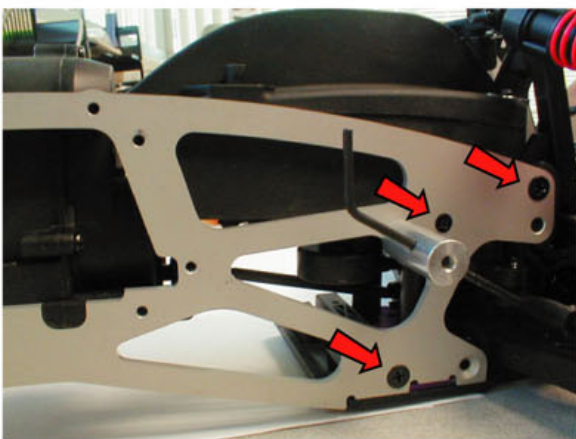
Step 12a: Install engine and transmission assembly onto right vertical chassis plate.



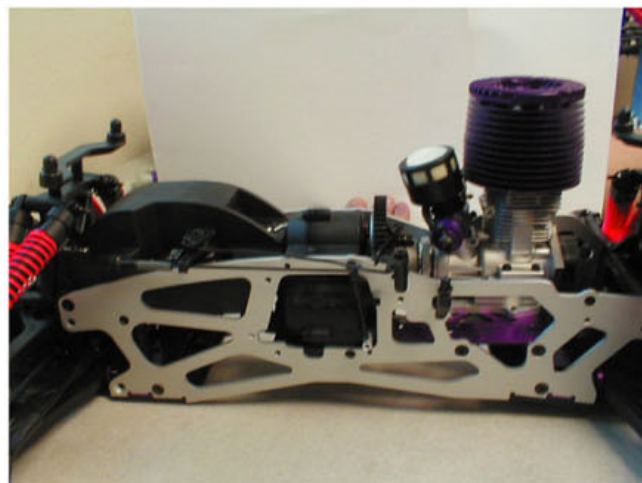
Step 12b: Install rear suspension assembly to the right vertical chassis plate. Use new longer center dogbone.



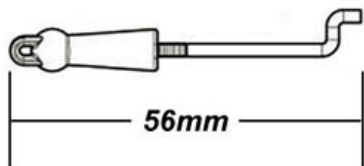
Step 12c: Tighten the screws.



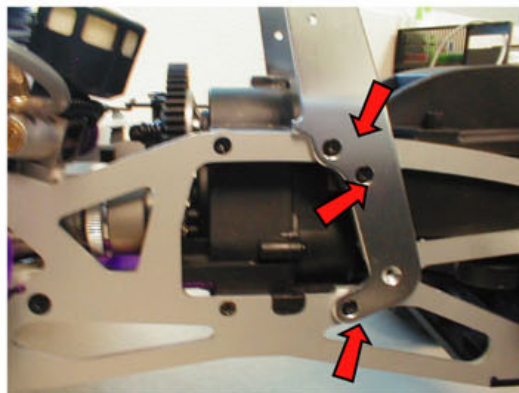
Step 12d: Install front suspension assembly.



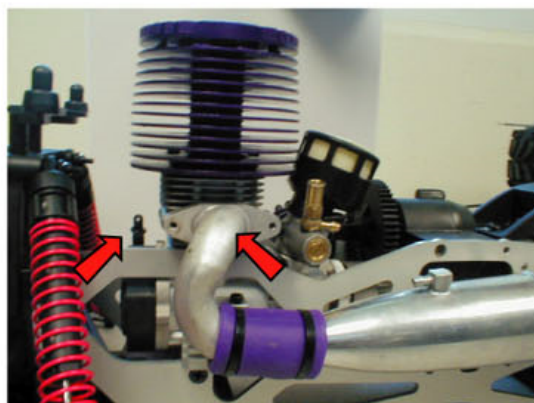
Step 12e: Install left vertical chassis plate.



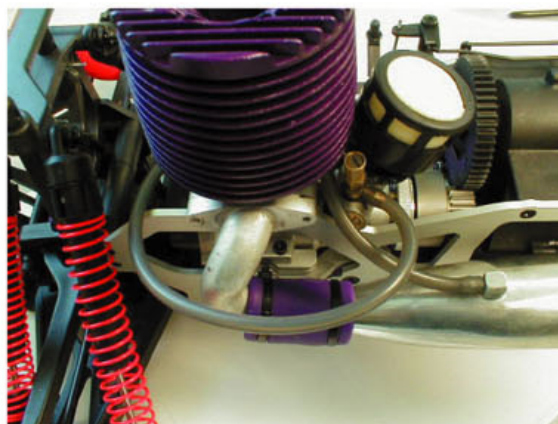
Step 13: Adjust throttle linkage rod which comes with the Savage kit to 56mm.



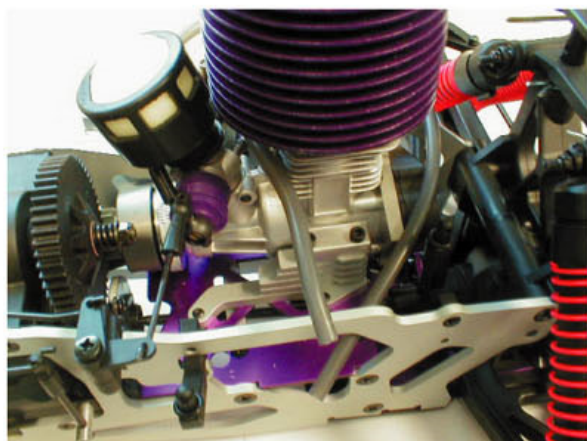
Step 14: Install stock roll bar.



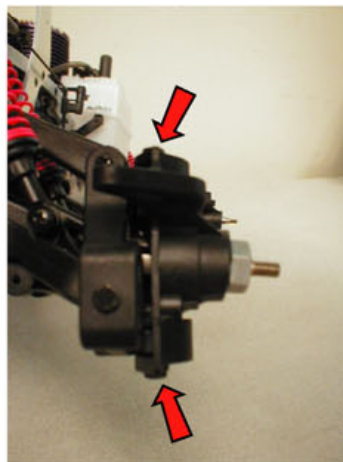
Step 15: Install new tuned pipe using the supplied .46 gasket.



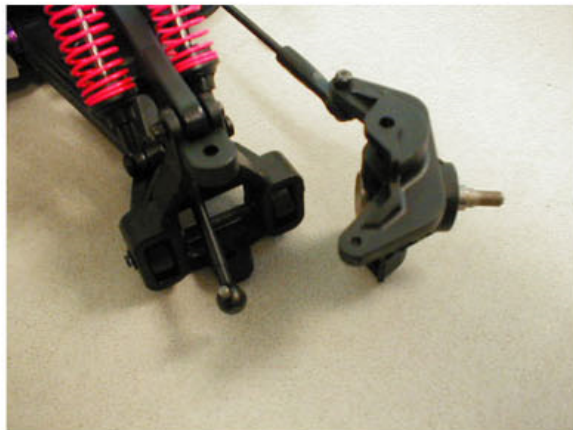
Step 16a: Run fuel lines through new locations.
- Reattach fuel tank.
- Reattach shocks to lower suspension mounts.



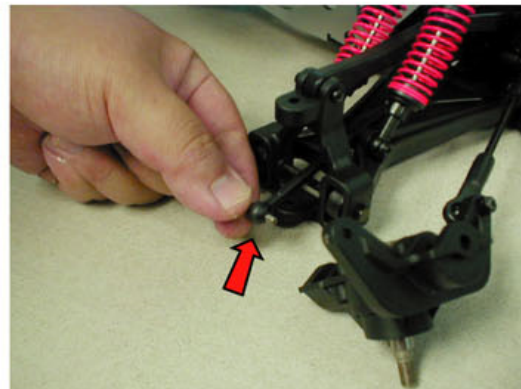
Step 16b: Run fuel lines through new locations.
- Reattach fuel tank.
- Reattach shocks to lower suspension mounts.
- Re-attach throttle linkage rod (from step 13)



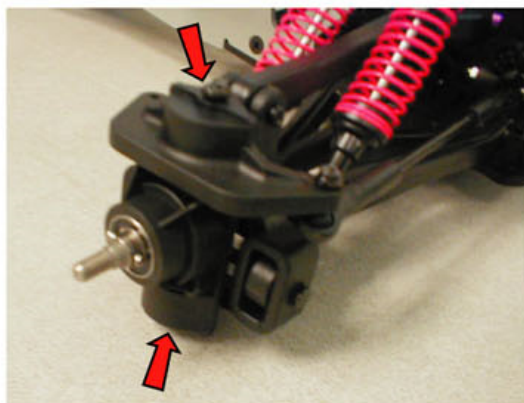
Step 17: Remove knuckle screws



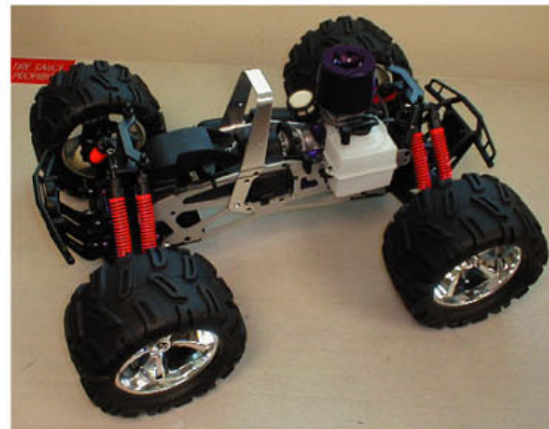
Step 18: Swing knuckle arm assembly to one side.



Step 19: Remove stock dogbone and replace with new heavy duty .46 dogbone..



Step 20: Reattach knuckle arm assembly.
- Repeat on all 4 axles.



Step 21: Congratulations, your truckzilla is complete!

.46 Engine Specifications:

Volume	Horse Power	RPM	Bore	Stroke
7.4 cc	4.8 hp	2,500~23,000	22mm	19.6mm

Step 1: Engine Break-In

- 1** Use a box or a stand to elevate the vehicle so that all four wheels can spin freely without contact to the ground.



- 2** Fill the tank completely with fuel. Use only 20% Nitro content fuel. Use only good quality branded model car fuel. Using the wrong fuel could void your warranty.



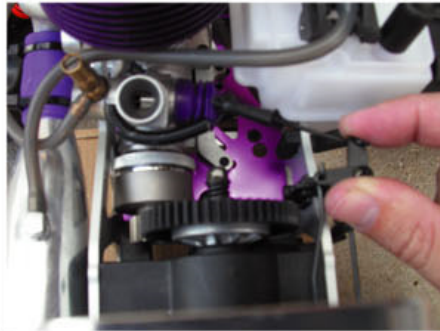
- 3** Never pull the starter cord more than 12 inches (30 cm) as this can cause damage to the pull starter. If pull-starter becomes hard to pull, engine may be flooded. See tip section to remove excess fuel from the engine.



- 4** Prime the carburetor by holding your finger over the exhaust and pulling the starter cord 4 to 8 times, or until line is full of fuel all the way up to the carburetor.



- 5** Make sure receiver switch is off. Manually turn the throttle servo until the carburetor is 1/3 of the way open. Always have the air filter in place before running engine



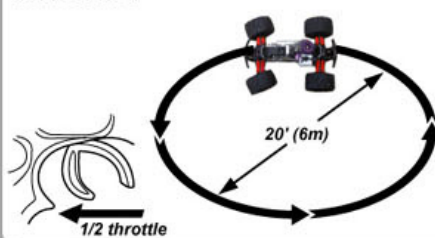
- 6** Attach glow igniter to the glow plug and turn a half turn to lock it in. Pull the starter cord using quick short pulls. Once the engine is running turn the throttle servo so that the runs fast enough to turn the tires slowly. Remove the glow igniter as soon as the engine is running. Run the engine one tank of gas. Repeat steps 4-6 if engine stalls



- 7** Turn on the transmitter and receiver, re-fill the fuel tank and follow steps 3-6. With the tires off the ground, use the radio to slowly increase the throttle until it reaches full speed. This will help clean the excess oil out of the engine. Since the initial break-in settings are very rich, the motor needs to be periodically be "cleaned out". If it is not, the left-over oil will load-up the motor and it might shut down.



- 8** Place vehicle on ground. The vehicle should not move while idling. If it does, adjust the trim setting on the transmitter so the vehicle does not move. Drive the vehicle in a 20 foot (6m) oval applying throttle (below 1/2 throttle), and then coasting. The idea is to use throttle, then coast to let the engine cool, give more throttle and coast more to cool. Repeat this process for a total of 2 tanks of fuel.



- Jump-Start back plate is included! So if you have a Jump-Start or Hpi Roto-Start you can use the hand unit right on the engine. Otherwise you can purchase just the handset from your nearest hobby store. part # 11320



Break-in the new engine before driving the car!

Warning!

DO NOT USE Jump-start until break-in has been completed (at least 8 to 10 tanks need to be driven). Using the Jump-start during break-in stage will cause damage to the Jump-start. After break in, you should be able to start engine with the Jump-start, smoothly.

Perform the following static break-in to prevent damage to new engine.

1. Choose a well ventilated outdoor area free from dust and set the truck on the top of a box so that the wheels are off the ground.
2. Fill the fuel tank and start engine (see below).
3. Let engine idle until it runs out of fuel. When engine stops, let it cool and repeat step #2 one more time.
4. Fill fuel tank and run the truck slowly, checking that the steering and throttle work correctly. Stay in the low and midrange speeds.
5. Continue to run in the mid range speed; you can (punch-it) occasionally but be easy until at least 10-12 tanks have been run through the engine.



Keep the wheels off the ground during static break-in!

Important!

The engine should always emit a whitish blue smoke at full throttle. If there is no smoke, the engine is set to lean, and could easily be damaged. During break-in, it is normal for fuel to spit out the exhaust pipe.



Important!

Engine **WILL** be hard to turn over due to high compression. To make starting easier, during break-in, loosen glow plug as needed to vent compression. Once started tighten glow plug.

Note:



Turning the needle CCW makes the mixture **richer** (more fuel, less air)

Turning the needle CW makes the mixture **leaner** (less fuel, more air)

Richening



(A) Stock Needle Valve Position:

Turn needle valve clockwise until it stops. (This is the closed position, do not force passed this position as needle valve screw may be damaged.) Open counterclockwise 3 and 3/4.

Leaning



(B) If after running the vehicle for 2 to 4 tanks of fuel, you notice excessive bogging during acceleration, turn high speed needle clockwise 1/8 to 1/4 turn.



Adjust so idle does not slow down or stall when the brakes are applied. Use removable thread lock to prevent screw from vibrating out.

Idle adjustment screw



(C) Adjusting idle:

Turning clockwise increases idle RPM. (opening carburetor)
Turning counterclockwise decreases idle RPM. (closing carburetor)

Tuning after break-in:

1. Set needle valve to starting position (A).
2. Fill fuel tank and start engine.
3. Run car to test the throttle response.
4. If throttle response is sluggish or bogging at high speeds, close needle valve leaning it in gradual increments. (B)
5. After needle valve tuning is complete, adjust idle screw (C) until idle is smooth and consistent.

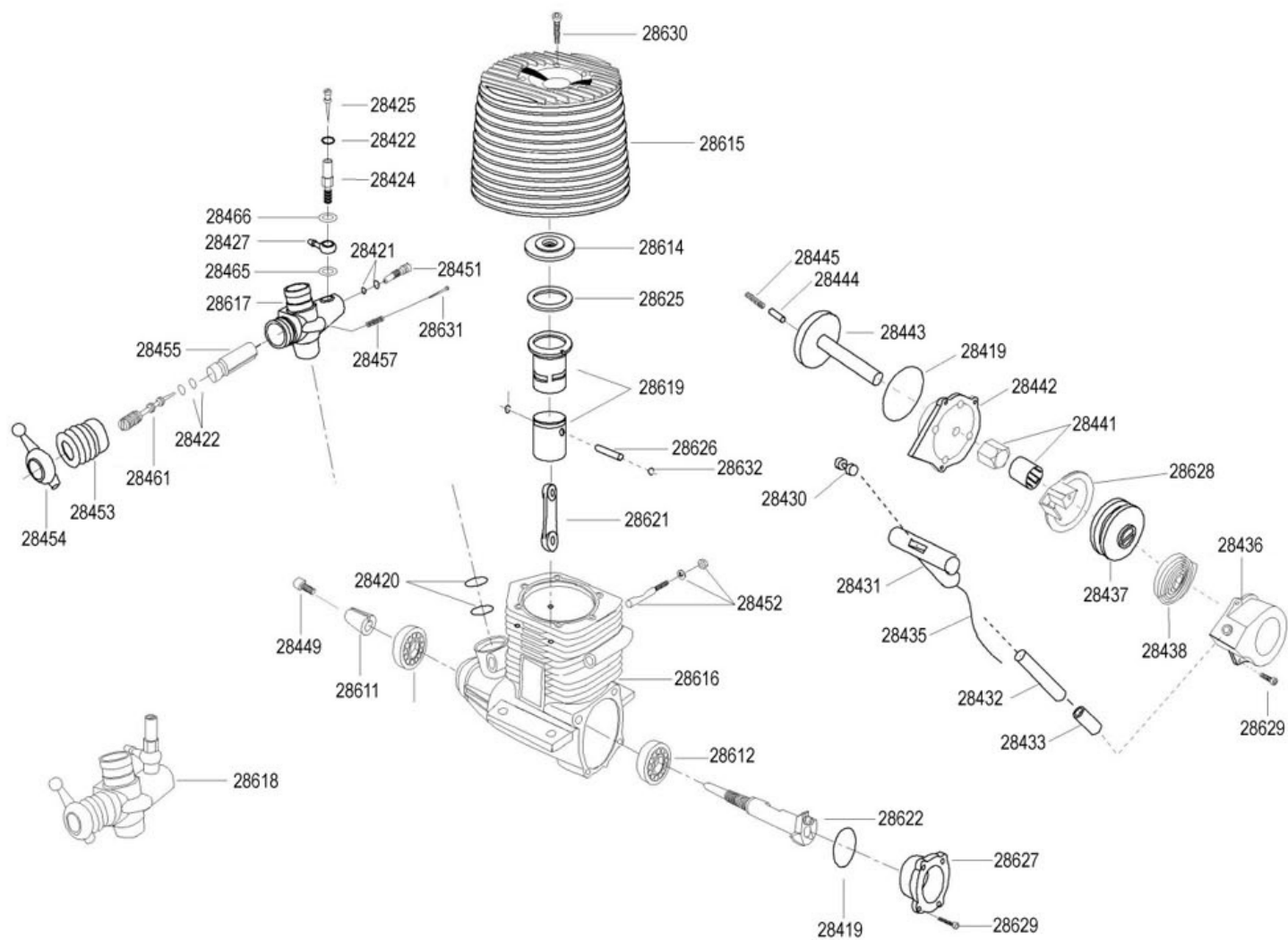
Note: The engine should emit whitish blue smoke at top speed. If there is no smoke, the engine is too lean and could easily be damaged.

Important!

Air Filter Maintenance (After every 5 tanks or as needed)

1. Remove and wash with soap and warm water to remove dirt. Let dry!
2. Apply air filter oil and replace on truck.







Part#	Part Name	Retail Price	UPC CODE
70350	LONG CHASSIS (TRUCKZILLA)	\$95.00	840927033695
70351	SCREW & HEX WRENCH SET (TRUCKZILLA)	\$3.00	840927033701
70352	EXHAUST SEAL (TRUCKZILLA)	\$3.00	840927033718
70353	MANIFOLD (TRUCKZILLA)	\$20.00	840927033725
70354	TUNE PIPE SET (TRUCKZILLA)	\$45.00	840927033732
70355	SILICONE EXHAUST COUPLING (TRUCKZILLA)	\$3.00	840927033749
70356	BALL BEARING SET (TRUCKZILLA)	\$3.00	840927033756
70357	CLUTCH SHOE SET (TRUCKZILLA)	\$14.00	840927033763
70358	17T CLUTCH BELL (TRUCKZILLA)	\$16.00	840927033770
70359	HEAVY DUTY DOG BONE (TRUCKZILLA)	\$8.00	840927033787
70360	FLY WHEEL (TRUCKZILLA)	\$10.00	840927033794
70361	ENGINE MOUNT SET (TRUCKZILLA)	\$45.00	840927033800
70362	PILOT NUT (TRUCKZILLA)	\$6.00	840927033817
70363	COLLET (DRIVE BRASS CONE) (TRUCKZILLA)	\$3.00	840927033824
28600	46 ENGINE (TRUCKZILLA)	\$300.00	840927033831
28610	A PARTS ASSEMBLY (46 ENGINE)	\$50.00	840927033848
28611	BALL BEARING R6-2RS (46 ENGINE)	\$13.00	840927033855
28612	BALL BEARING 6902 (46 ENGINE)	\$16.00	840927033862
28613	B PARTS ASSEMBLY (46 ENGINE)	\$50.00	840927033879
28614	UNDER HEAD (46 ENGINE)	\$28.00	840927033886
28615	CYLINDER HEAD (46 ENGINE)	\$50.00	840927033893
28616	CRANKCASE (46 ENGINE)	\$65.00	840927033909
28617	CARBURETOR MAIN BODY (46 ENGINE)	\$20.00	840927033916
28618	CARBURETOR COMPLETE SET (46 ENGINE)	\$88.00	840927033923
28619	CYLINDER SLEEVE / PISTON (46 ENGINE)	\$125.00	840927033930
28620	CYLINDER SLEEVE / PISTON SET (46 ENGINE)	\$155.00	840927033947
28621	CONNECTION ROD (46 ENGINE)	\$25.00	840927033954
28622	CRANKSHAFT (46 ENGINE)	\$66.00	840927033961
28623	DRIVE BRASS CONE (46 ENGINE)	\$3.00	840927033978
28624	DRIVE WASHER (46 ENGINE)	\$5.00	840927033985
28625	HEAD GASKET 0.2MM (46 ENGINE)	\$3.00	840927033992
28626	PISTON WRIST PIN (46 ENGINE)	\$4.00	840927034005
28627	REAR ENGINE COVER (46 ENGINE)	\$12.00	840927034012
28628	COVER PLATE (46 ENGINE)	\$2.00	840927034029
28629	REAR COVER BOLT 3x10 4PCS (46 ENGINE)	\$2.50	840927034036
28630	CYLINDER HEAD BOLT 4PCS (46 ENGINE)	\$4.00	840927034043
28631	THROTTLE ADJUSTMENT SCREW (46 ENGINE)	\$3.00	840927034050
28632	G PIN RETAINERS 2PCS (46 ENGINE)	\$3.00	840927034067
11316	JUMP-START BACK PLATE SET WITH SCREW (TRUCKZILLA)	\$17.00	840927034180
28700	GLOW PLUG #4	\$5.50	840927034197

GROUND CONTROL

These Massive 7 inch, diameter tires convert your monster truck into an awesome killing machine that can go anywhere and do anything! They demand attention and dominate traction whether your on the street or in the dirt!

7" dia.

7" dia.

7" dia.

7" dia.



UFO wheel
with **MAYHEM** tire
L/R (fits HPI Savage)
61168

UFO wheel
with **PSYCHO** tire
L/R (fits HPI Savage)
61169

REVOLUTION wheel
with **MAYHEM** tire
L/R (fits HPI Savage)
61170

REVOLUTION wheel
with **PSYCHO** tire
L/R (fits HPI Savage)
61171

The Replacements! These Savage size wheels and tires will give your truck the look you've been waiting for! Ad style, strength and attitude all at the same time by simply replacing your factory rubber with a set of these heavy haulers!

6" dia.

6" dia.

6" dia.

6" dia.

6" dia.

6" dia.



DEVASTATOR wheel
with **PADLOCK** tire
L/R (fits HPI Savage and T-Maxx)
61177

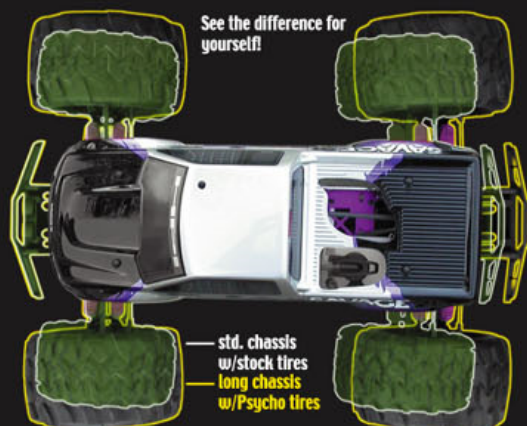
DEVASTATOR wheel
with **DEATHGRIP** tire
L/R (fits HPI Savage and T-Maxx)
61178

DAGGER wheel
with **PADLOCK** tire
L/R (fits HPI Savage and T-Maxx)
61179

DAGGER wheel
with **DEATHGRIP** tire
L/R (fits HPI Savage and T-Maxx)
61180

PREDATOR wheel
with **PADLOCK** tire
L/R (fits HPI Savage and T-Maxx)
61181

PREDATOR wheel
with **DEATHGRIP** tire
L/R (fits HPI Savage and T-Maxx)
61182



See the difference for yourself!

— std. chassis w/stock tires
— long chassis w/Psycho tires

long chassis shown with Psycho tires from Hot Bodies shown

NON-MOUNTED WHEELS AND TIRES

- 61163 Devastator wheel (fits HPI Savage and T-Maxx)
- 61164 Dagger wheel (fits HPI Savage and T-Maxx)
- 61165 Predator wheel (fits HPI Savage and T-Maxx)
- 61166 Padlock tire (fits HPI Savage and T-Maxx)
- 61167 Deathgrip tire (fits HPI Savage and T-Maxx)

TIRE SIZE COMPARISON

5.5" dia. tire 6" dia. tire 7" dia. tire
3.5" dia. wheel 3.5" dia. wheel 4.5" dia. wheel



Standard Size

Savage Size

Massive Low-Pro Size



Coming Soon!

7" dia.

UFO wheel with **FIREBALL** tire
61219 glued L/R (fits HPI Savage)

REVOLUTION wheel with **FIREBALL** tire
61220 glued L/R (fits HPI Savage)



Coming Soon!

7" dia.

UFO wheel with **DOZER** tire
61212 glued L/R (fits HPI Savage)

REVOLUTION wheel with **DOZER** tire
61213 glued L/R (fits HPI Savage)



6" dia.

6" dia.

6" dia.

6" dia.

PREDATOR/PURPLE wheel
with PADLOCK tire
61181-1 glued L/R (fits Savage and Maxx)

PREDATOR/BLUE wheel
with PADLOCK tire
61181-2 glued L/R (fits Savage and Maxx)

PREDATOR/PURPLE wheel
with DEATHGRIP tire
61182-1 glued L/R (fits Savage and Maxx)

PREDATOR/BLUE wheel
with DEATHGRIP tire
61182-2 glued L/R (fits Savage and Maxx)

PREDATOR/PURPLE wheel
61165-1 (fits Savage and Maxx)

PREDATOR/PURPLE wheel
61165-2 (fits Savage and Maxx)

DAGGER/METALLIC ORANGE wheel
61164-3 (fits Savage and Maxx)



DAGGER/METALLIC RED wheel
61164-5 (fits Savage and Maxx)

DAGGER/GUN METAL GREY wheel
61164-4 (fits Savage and Maxx)

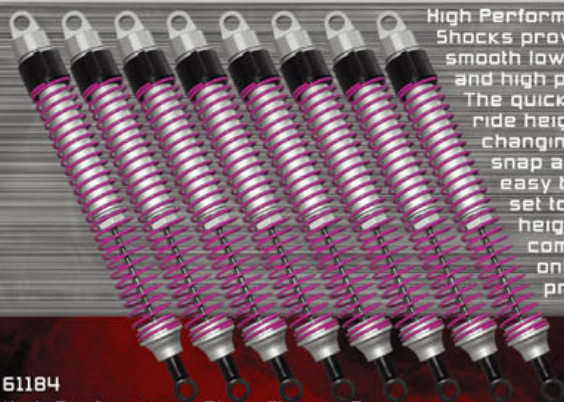


HOT BODIES

27469 COLT COURT, TEMECULA, CA 92590

T.909.296.9340 F.909.296.9343

SHOCK THERAPY



61184
High Performance Alum. Shocks 8pcs.
(Savage)

High Performance Aluminum Shocks provide an ultra smooth low resistance feel and high performance look! The quick-adjust snap-ring ride height adjusters make changing your ride height a snap as well as making it easy to get all your shocks set to the exact same ride height. These shocks come completely assembled and only require you to add your preferred oil.



61198
Purple High Performance Alum. Shocks 8pcs.
(Savage)

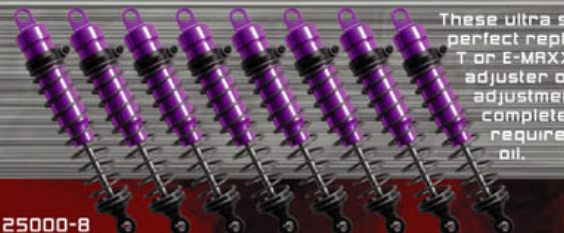


61161
Precision Machined Alum. Shocks 8pcs.
(Savage)

Precision Machined Aluminum Shocks have a threaded shock body for ultra fine ride height adjustments. They look and perform awesome and are easy to adjust with the tips of your fingers. These shocks come completely assembled and only require you to add your preferred oil.

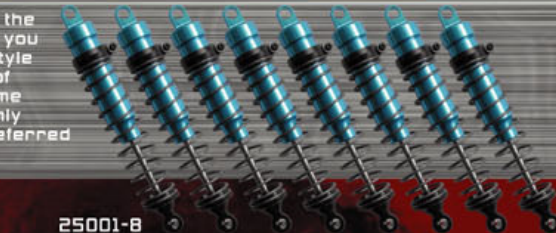


61195
Purple Precision Machined Alum. Shocks 8pcs.
(Savage)

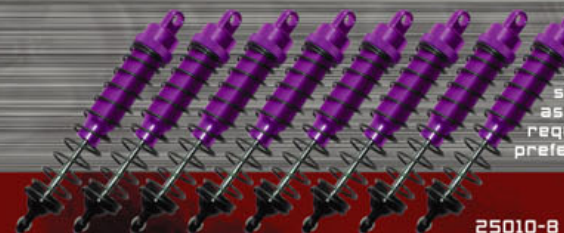


25000-8
Purple Shocks 8pcs. (T-MAXX, E-MAXX)

These ultra smooth shocks make the perfect replacement shocks for you T or E-MAXX truck! The clamp style adjuster offers a wide array of adjustment. These shocks come completely assembled and only require you to add your preferred oil.

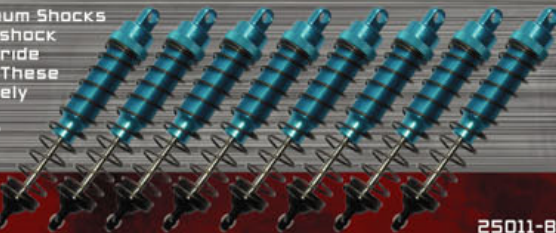


25001-8
Blue Shocks 8pcs. (T-MAXX, E-MAXX)

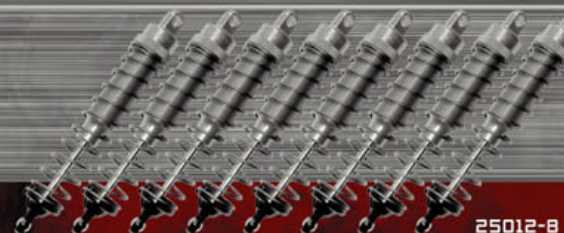


25010-8
Purple Threaded Shocks 8pcs. (T-MAXX, E-MAXX)

Threaded Aluminum Shocks have a threaded shock body for ultra fine ride height adjustments. These shocks come completely assembled and only require you to add your preferred oil.



25011-8
Blue Threaded Shocks 8pcs. (T-MAXX, E-MAXX)



25012-8
Silver Threaded Shocks 8pcs. (T-MAXX, E-MAXX)

24000 Purple Shocks (Nitro Touring Cars)
24001 Blue Shocks (HPI Nitro Touring Cars)
24010 Purple Threaded Shocks (HPI Nitro Touring Cars)
24011 Blue Threaded Shocks (HPI Nitro Touring Cars)
24012 Silver Threaded Shocks (HPI Nitro Touring Cars)
Rebuild Kits
24005 Touring (#24000, 24001, 24010, 24011, 24012)
25005 T-MAXX (#25000, 25001, 25010, 25011, 25012)
61209 Precision Machined Aluminum (#61161, 61195)

Shock Oil
C8122-1 Shock Oil #250
C8122-2 Shock Oil #350
C8122-3 Shock Oil #450
C8122-4 Shock Oil #3000
C8122-5 Shock Oil #4000
C8122-6 Shock Oil #7000

HOT BODIES

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SAVAGE BEAST

*all parts shown are for HP1 Savage truck

heat sink engine plate
61186 (Silver)
61200 (Purple)

heat sink
chassis brace
61185 (Silver)
61199 (Purple)

mega travel drive shafts
(1 Pair) 61152

vented metal brake rotors
61156

Super-Tec aluminum
suspension arms
61188 (Silver)
61201 (Purple)

Super-Tec aluminum
knuckle arm
61189 (Silver)
61202 (Purple)

Super-Tec
aluminum C-hub
61190 (Silver)
61203 (Purple)

clamp-on aluminum
hex wheel hubs
61155 (aluminum)
61192 (Purple)

mega travel
drive shafts
(center front) 61154
(center rear) 61153

billet aluminum
heat sink engine mount
61158 (Silver)
61194 (Purple)

high performance
aluminum shocks
61184 (Silver)
61198 (Purple)

**.46 size
and conversion kit**
COMING SOON!!
*Because there's no such thing
as too much power!*

heavy duty composite
clutch shoes
61159

precision machined
aluminum shocks
(threaded body)
61161 (Silver)
61195 (Purple)

bullet proof titanium
main gear shaft
61187

bullet proof titanium
gear shaft
61160

feather-weight
carbon fiber
chassis plates
61150

billet heat sink
chassis plates
61183 (Silver)
61197 (Purple)

long chassis plates
(+1 inch)
61176

long chassis comes with long
rear center shaft

aluminum tuned pipe
70119 (Polished)

aluminum tuned pipe
61157 (Black)

Jump-start
HOT BODIES

jump start (savage)
11305



long chassis shown with Psycho tires from Hot Bodies shown

The long chassis
provides extra
stability in the
corners and
decreases
wheely and
braking
rollovers.

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