

# HIMOTO

**VIPER X2S**

**Monster Truck**



**MEGA P MXB-2S**

**MEGA P MXB-3**

**BUGGY**



**MEGA P MTR-2S**

**MEGA P MTR-3**

**TRUGGY**

# Instruction Manual

## 1/10 4WD NITRO-POWERED OFF-ROAD MONSTER TRUCK

VIPER X2S

HI908T 2-Speed Transmissions

## 1/10 4WD NITRO-POWERED OFF-ROAD BUGGY

MEGA P MXB-2S

MEGA P MXB-3

HI905T 2-Speed Transmissions

HI935T Three Differential Case

## 1/10 4WD NITRO-POWERED OFF-ROAD TRUGGY

MEGA P MTR-2S

MEGA P MTR-3

HI903T 2-Speed Transmissions

HI933T Three Differential Case

### Features

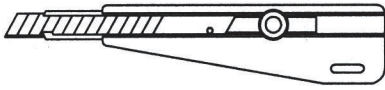
- 4WD Drive System.
- 18CXP powerful SH engine with two valve needles and slide carb.
- Waterproof dustproof sealed gearbox.
- Sealed superduty plastic driveshaft.
- Fast easy assembly and disassembly receiver and battery cover.
- Quality differential with four bevel gear.
- Blue anodized 6061T chassis.
- Sealed gearbox waterproof durable and stable,
- Adjustable threaded long Oil-filled shock absorber.
- Fuel tank 75CC.
- Precise sealed ball bearing for the whole model.

Model no	Length	Width	Height	Wheelbase	Tires size	Ground clearance	Engine
HI908T	450mm	320mm	210mm	305mm	100*51mm	25mm	18cxp
HI905T HI935T	453mm	320mm	183mm	305mm	100*51mm	25mm	18cxp
HI903T HI933T	410mm	320mm	165mm	305mm	100*51mm	25mm	18cxp

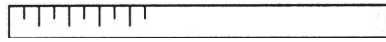


# Required equipment for operation

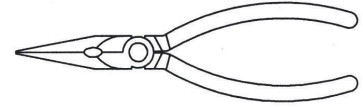
## 1.Tools required for buildin and mai ntenance:



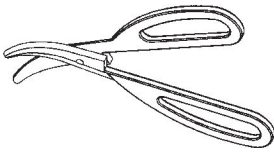
● Hobby knife



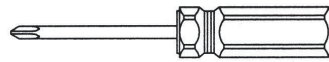
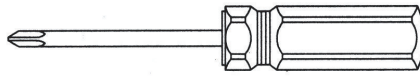
● Precision ruler



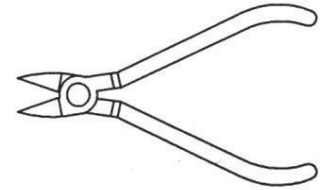
● Needle nose pliers



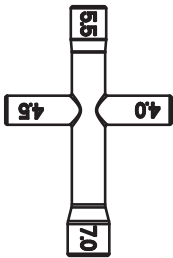
● Hobby scissors



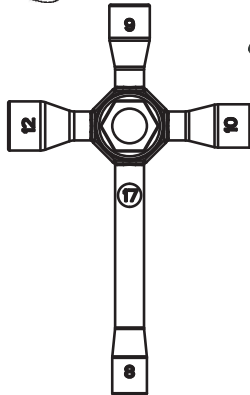
● Flat and Philips screwdriver



● Wire cutters



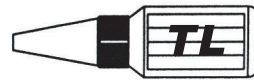
● Cross wrench



● Cross wrench



● CA glue & rubber cement



● Thread locking compound



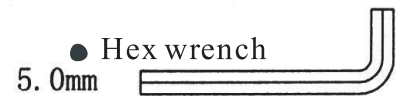
1. 5mm



2. 0mm



2. 5mm



5. 0mm

● Hex wrench

## Warning!

Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installion.

## IMPORTANT!!!

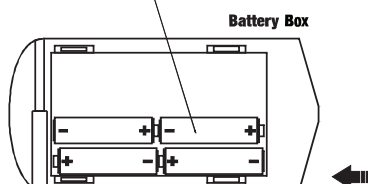
Check all the screw are tight before playing the car!  
Use thread lock on all screws that work loose.

# 2.4GHZ RADIO SYSTEM

## HTX-242



Battery (Not Included)

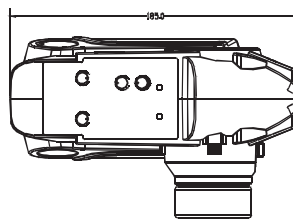
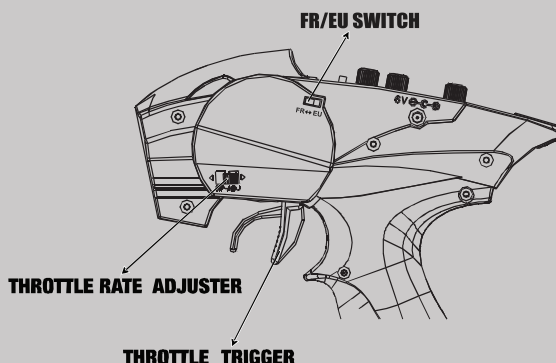


### Install the batteries

- (1) Remove the battery compartment cover.
- (2) Replace the used batteries with new AA size batteries.

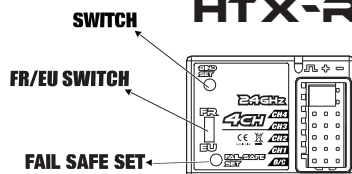
Please replace batteries when the power indicator blinks or the buzzer beeps.

### TRANSMITTER DIAGRAM



**Transmitter Size**

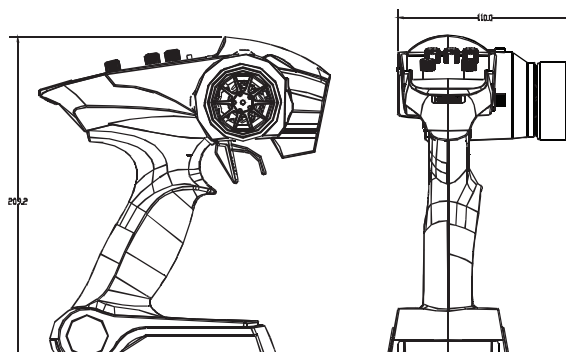
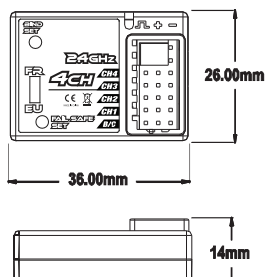
### HTX-RX



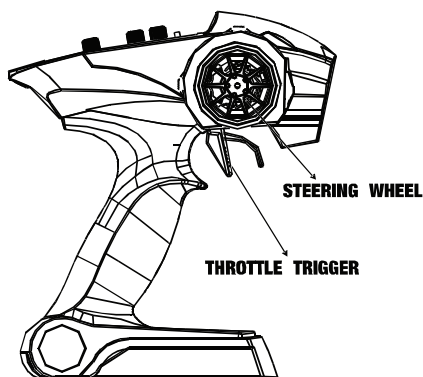
#### Connectors

- 1: Steering servo (CH1)
- 2: Throttle servo (CH2)
- 3: CH3 servo (CH3)
- 4: CH4 servo (CH4)
- B/C: Power connector

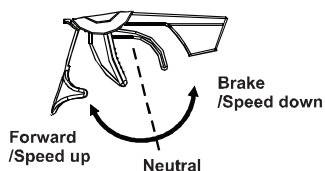
### Receiver Size



## Transmitter Adjustment



### A. Throttle Trigger

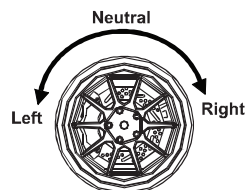


1. Push the trigger forward to slow down or brake.
2. Pull the trigger backward to accelerate.

**Throttle Trim:** Position the throttle trigger at the neutral position, adjust the throttle trim accordingly.

**Steering Trim:** If the front wheel does not align straight, use the steering trim to make adjustment.

### B. Steering Wheel



Turn the steering wheel counterclockwise to turn left, turn the steering wheel clockwise to turn right.



Position the transmitter and receiver 40cm apart when operating.

## Low Battery Alarm

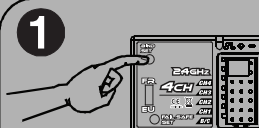
Do not operate the radio system when the battery power is low.

## Fail Safe Function Setting

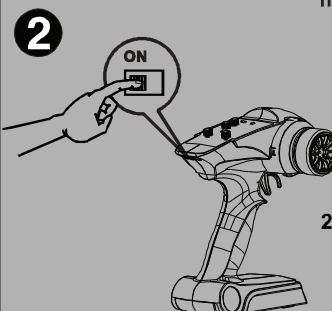
1. Set the TH, ST switches to the normal position.
2. Turn on the transmitter and receiver.
3. Press the F/S SET button, the LED on the receiver should start flashing rapidly.
4. Put the throttle trigger at the brake position, press the F/S SET button, the LED should become solid.
5. For electric model, put the throttle trigger at the stop position when you are making the setting.

## 2.4GHz

### Binding the transmitter and receiver



1. turn on the receiver power. Press the SW switch. The receiver's LED should start flashing.



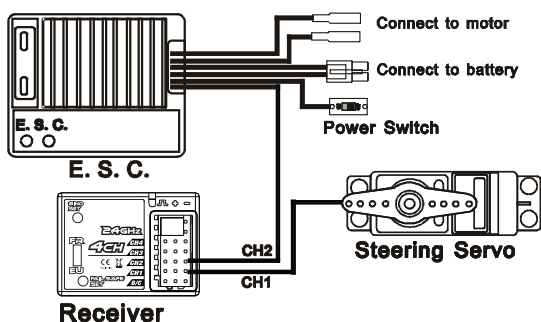
2. Turn on the transmitter.



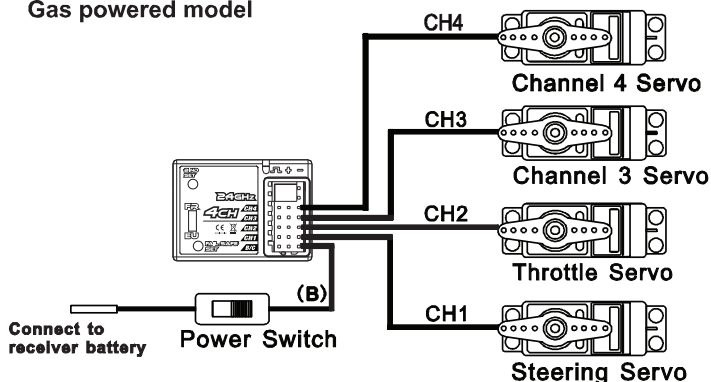
3. When the LED on the receiver becomes solid, the binding process is completed.

## Receiver and servo connection

### Electrical powered model



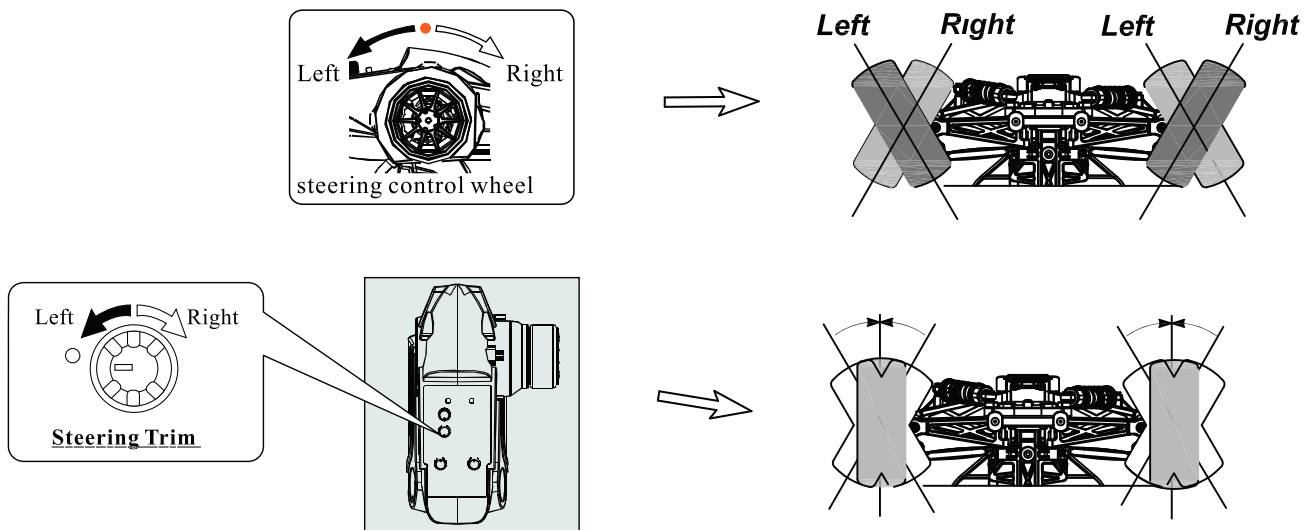
### Gas powered model





## Operation Check List

1. Install fresh, new batteries into the transmitter and vehicle. Verify all the control functions are working properly.
2. Verify steering is set to the neutral position, the front wheels of the vehicle should point straight forward when the steering wheel on the transmitter is centered.
3. The ESC on the vehicle is pre-configured at the factory. When you turn on the transmitter and vehicle, you should hear a beep in 1-2 seconds and the indicator light should be lit.
4. With the battery fully charged, the run time for the vehicle is around 7 to 15 minutes depends on the condition of the running environment. Please stop operation when the battery show sign of low power.



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## RC Operating Procedures

1. Load the battery on the transmitter.
2. Install the charged battery on the car.
3. Turn on the power switch before turning on the receiver.
4. Please raise the tires off the ground and check if the control is responding.
5. Hold the throttle trigger to let the car run. If it doesn't work, please adjust the throttle servo and trim.
6. Please replace the battery when the speed drops down.
7. When you finish the racing, please switch off the receiver first, and then the transmitter.
8. Please make sure the battery is disconnected and remove it after racing.

# Engine Tuning Guide

## High-speed Needle

The “high-speed” needle is sticking up from the carburetor. This controls the fuel air mixture of the carburetor. The needle is pre-set for break-in from the factory at 2-1/2 turns out from fully closed,. Once the engine is broken-in, the high speed needle would typically run from 2 to 2-1/2 turns out from closed, depending on the weather, humidity and altitude above sea level.

To richen the mixture turn the needle counterclockwise, To learn it, turn the needle clockwise.

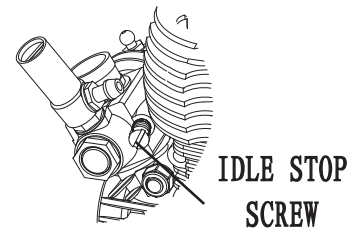


## The Low- Speed Needle (For 18# engine)

The low-speed needle is the screw in the carb body opposite the throttle arm. It controls the fuel to air mixture at low throttle settings, There is a simple way of adjusting the low-speed needle correctly called the ‘pinch test’. With the engine at idle , pinch the fuel line and listen to how the engine speeds up or slow down. If the engine increases its speed for about 2 or 3 seconds and then loses speed, The needles is set correctly. If the engine loses RPM quickly, it is set too lean and the lowspeed needle needs to be opened (counterclockwise) to richen the mixture. Pinch again to check the mixture. If the engine takes longer than 4 seconds to slow down, lean (clockwise) the low-speed needle and then pinch again to check the mixture.

## Idle Stop Screw

The ‘idle stop’ screw is located on the backside of the carburetor. This increases or decreases the idle speed without changing the fuel mixture. The barrel should be approximately 1mm from fully closed.



## Important

To insure long life and good performance from your engine, you **MUST** break-in the engine. The break-in period is critical for long life of the internal parts of the engine. This should be done over the first 5 tanks of fuel.

# IRunning The Engine

## Starting the Engine

**IMPORTANT!** Your radio system must ALWAYS be turned on and the transmitter antenna fully extended when running the engine.

1. Fill th fuel tank.
2. Prepare to start the engine while it is cool, place your finger over the tuned pipe’s exhaust hole and pull the recoil gently several times. Do not over-prime! Stop when you see fuel in the fuel line at the crab.
3. Install a “C” alkaline into the glow starter and attach the starter to the glow plug.
4. With the throttle at idle, start the engine by pulling the recoil using short, quick pulls. Do NOT pull the recoil starter’s string to the end. You only need 10 to 12 inches of pull to start the engine with the throttle at idle.

Sometimes it is helpful to start the engine at around half throttle. When the engine Starts, immediately return the throttle to idle. If this is not done the engine can overheat and cause engine damage.

## STOPPING THE ENGINE

Pinch the fuel line that runs to the carburetor. Pinching this line will restrict fuel flow and the engine will quit within a few seconds. Never place your finger over the exhaust to stop the engine. This could result in serious burns on your finger. It also causes fuel to back up in the engine, making it harder to start the next time you run your truck,.

## IMPORTANT! FIXING A FLOODED ENGINE

If the engine is difficult to turn over with the recoil starter, especially if it is brand new, loosen the glow plug a half turn before starting the engine. This allows some compression to escape , but the engine will still start. Make sure you tighten the glow plug after the engine has started. If the recoil starter is still difficult to pull, the engine is flooded-there is too much fuel inside the engine. Remove the glow plug, then turn the buggy upside down and pull the recoil 5 or 6 times. This will clear the engine of fuel, and you will notice the recoil pulls easier. Place the glow plug and repeat the starting procedure.

## BREAK IN PROCEDURE

### SOMETHINGS TO REMEMBER DURING BREAK-IN

1. Run with the body off. This will keep the engine cooler.
2. Keep the air cleaner on at ALL time.
3. Run on a smooth, hard surface. An empty parking lot is Perfect.
4. Use the same fuel that you will use for normal running.
5. Resist the urge to accelerate and decelerate quickly.
6. Break-in puts stress on the glow plug or two on hand.
7. DO NOT overheat the engine. You can check the head temperature by using one of the temperature gauges.

## TANK 1

Your first tank of fuel should be running the truck at a very rich needle valve setting. This allows the fuel to carry as much oil as possible into the engine to properly lubricate the internal parts during the break-in.

1. Open the high speed needle valve 4-1/2 turns from fully closed (counterclockwise).  
This is factory set already . But check it to make sure. When closing the high-speed needle, close until you feel some resistance. DO NOT Overtighten it will damage the engine.
2. Fill the fuel tank and start the engine.
3. Run the buggy on smooth surface with the body off.
4. Run back and forth at medium speeds accelerating and decelerating the car.
5. Run the buggy until the tank is almost out of the fuel. Do not allow the tank to run out of fuel during break-in. This leans out the engine and can cause overheating.
6. Stop the engine and allow it too cool. This noumally takes around 10-15 minutes.

NOTE: if your engine does not stay running consistently, increase the idle speed by turning the idle stop screw clockwise.

## TANK 2

Lean the high-speed needle 1/2 from 'tank 1' Run the car for the complete tank and then let it cool.



## TANK 3

Lean the high-speed needle another 1/52 turn from 'tank 2' setting . Run the car for the complete tank and then let it cool.

## TANK 4

Lean the high-speed needle another 1/2 turn from "tank3" setting. Run the car for the complete tank and then let it cool. You should notice the engine running much better at this point.

## TANK 5

Lean the high-speed needle another 1/2 turn from "tank 4" setting. Run the car for the complete tank and then let it cool. The engine is now ready for tuning.

**Important!** At this point, the engine is likely to run at a faster idle than needed. (This is typical after break-in) Adjust the idle stop screw to lower the idle speed so that the wheels do not stop, or just barely rotate when you lift the car off the ground.

## TUNING TIPS

After break-in, run the truck where you plan to do most of your driving (grass, street, track, etc). Tune the high speed needle so the engine makes good power without overheating. Using a temperature gauge to tune the engine so that it will consistently stay under 270F (132C). Keep in mind, RC engines usually take a minute or two to warm up. It is common not to reach full power right away. Never tune a cold engine.

## ENGINE CARE

Never store your car with fuel in the tank. We recommend that after the final run of the day, empty the fuel tank and then run the engine at idle until all the fuel is out of the fuel lines and engine.

Remove air filter and glow plug, then place two drops of the After Run Engine Oil in the carburetor and two into the cylinder to help preventing corrosion . Pull the recoil a few times to circulate the oil.

## 10 WAYS TO ENSURE LONG LIFE FROM YOUR ENGINE

1. Keep your engine and air filter clean. Dirt will act insulation on an engine, it will not be able to shed heat as easily. Clean and re-oil the element often.
2. Do not over-lean your engine.
3. Do not run your engine with little or no load. Don't throttle up the engine to full throttle when the wheels are not in contact with the ground.
4. Do not overheat the engine.
5. Do not use a fuel with a low oil content. Make sure uses a model car fuel from a reputable manufacturer, such as O'Donnell Fuels.
6. Avoid using old fuels in the engine.
7. Do not use a fuel with a nitromethane (often called niteo) content over 20%.
8. Do not scratch the piston or cylinder sleeve. Avoid jamming something into the exhaust port when removing or re-installing the clutch or flywheel. Use a special tool called the Ultimate Flywheel Wrench to keep the crankshaft from moving.
9. Do not use silicone sealer on the engine joints. Silicone sealer contains acetic acid, which is corrosive if it get inside your engine.
10. Do not allow any water to get inside the engine. This sounds easy, but temperature changes can cause condensation inside the engine. This is good reason to use an after-running oil. Store your engine inside the house, not in a garage or shed where the temperature extremes.

## Service and Maintenance

In order not to void car warranty, always keep your buggy clean. In areas of high dust and dirt, be sure to blow off dirt and dust with a compressor, soft bristle brush, or toothbrush.

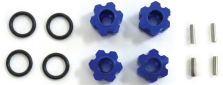
Always check car for loose or broken parts and replace before and after running.

Regularly check screws to make sure that they are tight.

Replacement parts are available at many local retailers or online stores. Feel free to contact retailers for help in replacing parts.

## OPTION PARTS

### MP0-01



Wheel Hex Set Stainless Steel

### MP0-02



C Hub, C Hub Pin,  
Stainless Steel

### MP0-03



Knuckle Arm Set

### MP0-04



Rear Hub Set Stainless Steel

### MP0-05



Shock Stay Mount

### MP0-06



Front Suspension Mount

### MP0-07



Rear Front Suspension

### MP0-08



Steel Brake Disk Stainless Steel

### MP0-09



Special Brake Pads  
Stainless Steel

### MP0-10



Brake Post

### MP0-11



Steering Rod Stainless Steel

### MP0-12



Engine Mount 1P

### MP0-13



Slipper System Hard Anodize

### MP0-14



Aluminum Shock 2P

### MP0-16



Steel Spur Gear 39T

### B7026-008



Back Plate 1P

# COMMON PARTS

**903-003**



Shock Absorber Unit  
(Plastic)

**903-005**



Brace 1P

**903-007**



Body Clip 6P

**903-008**



Upper Susp. Arm Set 2P

**903-010**



Suspension Arm Mount  
Block 2P

**903-011**



Upper Susp. Arm  
Mount-Fr/Rr 2P

**903-012**



Rim Hub W/Pin 2\*10 4P

**903-013**



Axle W/Pin 2P

**903-014**



Ball Bearing 6\*12\*4 2P

**903-015**



Fr/Rr Steering Arm 2P

**903-016**



Ball Bearing 10\*15\*4 2P

**903-017**



Fr/Rr C-Carrier W/Screw

**903-018**



Fr.Lower Susp.Arm (L/R) 2P

**903-019**



Transverse Driver Shaft  
Set 2P

**903-020**



Diff. Gearbox Unit 1P

**903-021**



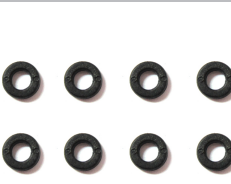
AntiRoll Bar Set

**903-022**



M4 SelfLock Nut  
W/Washer

**903-023**



O-Washer 8P

**903-024**



Front Suspension Arm Pin  
(Short) 4P

**903-025**



Suspension Arm Pin  
(Long) 4P

**903-026**



Fr. Chassis 1P

**903-028**



Lower Susp. Mount  
Block-Fr/Rr 2P

**903-029**



Anti-Roll Bar Fixation Set 1P

**903-030**



Steering Linkage Set 2P

**903-031**



Servo Saver Unit 1P



# COMMON PARTS

**903-032**



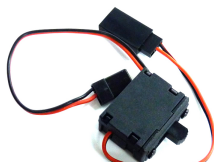
Upper Deck-Fr 1P

**903-033**



Battery Case 1P

**903-034**



Switch 1P

**903-035**



Receiver/Battery Case Cover

**903-036**



Handle 1P

**903-037**



Steering Servo Horn And Linkage

**903-038**



Steering Servo Mount-A/B 2P

**903-039**



Upper Deck-Center 1P

**903-040**



Upper Deck Mount 2P

**903-042**



Chassis 1P

**903-043**



Side Guard Plate (L/R)

**903-044**



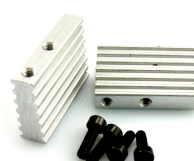
Throttle Servo Mount-A/B 2P

**903-055**



Exhaust Pipe Coupler 1P

**903-049**



Engine Mount 2P

**903-050**



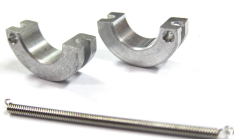
Engine Flywheel W/Pin 1P

**903-051**



Engine Crankshaft W/E-Clip

**903-052**



Clutch Shoe W/Spring

**903-054**



Exhaust Manifold 1P

**903-053**



**903T/905T**  
Clutch Bell 18T 1P

**903-057**



Fuel Tank Unit 75C.C 1P

**903-058**



Rear Hub 2P

**903-059**



Rr.Lower Susp.Arm (L/R) 2P

**903-060**



Fuel Pipe 1P

**903-061**



Rear Suspension Arm Pin-Short 4P

**903-065**



Flat Cross Screw (TPF2.6\*10) 12P

# COMMON PARTS

**903-066**



Flat Cross Screw  
(TPF3\*8) 12P

**903-067**



Flat Cross Screw  
(TPF3\*10) 12P

**903-068**



Flat Cross Screw  
(TPF3\*14) 12P

**903-069**



Flat Cross Screw  
(TPF3\*16) 12P

**903-070**



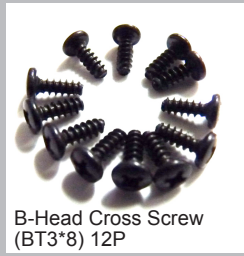
Flat Cross Screw  
(ISO3\*10) 12P

**903-071**



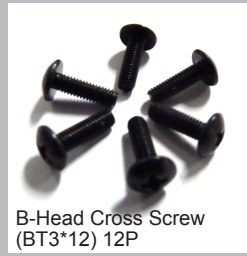
B-Head Cross Screw  
(BT2.6\*6) 12P

**903-072**



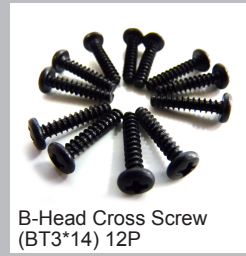
B-Head Cross Screw  
(BT3\*8) 12P

**903-073**



B-Head Cross Screw  
(BT3\*12) 12P

**903-074**



B-Head Cross Screw  
(BT3\*14) 12P

**903-075**



B-Head Cross Screw  
(BT3\*16) 12P

**903-076**



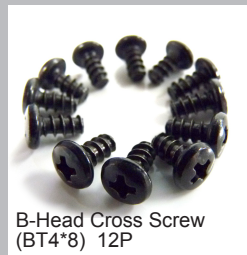
B-Head Cross Screw  
(BT3\*20) 12P

**903-077**



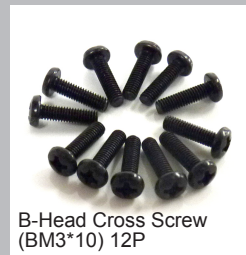
B-Head Cross Screw  
(BT2.6\*10) 12P

**903-078**



B-Head Cross Screw  
(BT4\*8) 12P

**903-079**



B-Head Cross Screw  
(BM3\*10) 12P

**903-080**



Cap Head Hexagon Screw  
(HM3\*25) 6P

**903-081**



Cap Head Hexagon Screw  
(HM3\*10) 6P

**903-082**



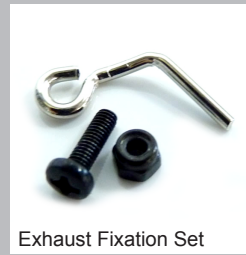
Diff. Outdrive A 1P

**903-083**



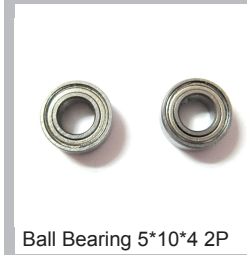
Diff. Outdrive B 1P

**903-085**



Exhaust Fixation Set

**903-086**



Ball Bearing 5\*10\*4 2P

**903-087**



Ball Bearing 12\*18\*4 2P

**903-088**



E-Clip 4\*0.6 12P

**903-089**



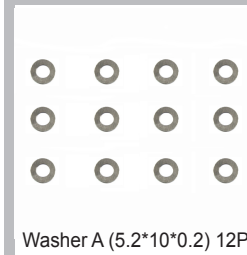
Pin 2\*9.5 12P

**903-090**



Pin 2\*12.5 12P

**903-091**



Washer A (5.2\*10\*0.2) 12P

# COMMON PARTS

**903-092**



Washer B (4.2\*8\*0.2) 12P

**903-093**



Nylon SelfLock Nut  
(M4\*4) 6P

**903-094**



Double Way Ball End (7\*8) 6P

**903-095**



Set Screw M4\*4 12P

**903-096**



Set Screw M4\*8 6P

**903-097**



Diff. Gearbox

**903-098**



Diff. Gearbox Bulkhead-  
Upper/Lower 1P

**903-104**



Diff. Unit 1P

**903-105**



Driving/Driven Gear,  
Diff.Gear/Bevel Gears

**903-106**



Screw Pin M3\*9.5 12P

**903-107**



Antenna Mount 3P

**903-109**



Outdrive Cups (Longer)

**903-110**



Outdrive Cups (Shorter)

**903-112**



Motor Washer 4P Screw,  
4P Washer

**933-011**



**908T /933T /935T**  
Clutch Bell (15T) 1P

**02060SH18B**



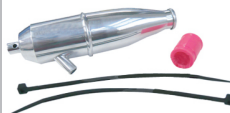
SH18 Slide Carburetor  
Taiwan Engine

**TS1A-3**



SH18 Pullstart

**MP0-015**



Aluminum Exhaust Pipe

**902-031**



Air Filter W/Insert 1P

**902-051**



Screw BT3\*10 12P

**HTX-242**



Two Button 2.4 Ghz Radio Set

**HTX-RX**



4channels 2.4G Receiver 1P

**SERVO3KG**



3Kg Servo Unit

**901-066**



Nylon Nut M3 5P

**901-067**



Antenna Pipe W/Cap 3P



## 903T 905T 908T 2SPEED

**903-027**



Center Drive ShaftFr. 1P

**903-045**



Throttle Servo Horn And Linkage Set

**903-046**



Center Drive ShaftRr 1P

**903-047**



Center Gearbox Unit 1P

**903-048**



Throttle Linkage Set 1P

**903-056**



Upper DeckRear 1P

**903-099**



Gearbox Bulkhead-Fr./Rr.  
(Same As Rc-009F) 1P

**903-100**



Spur Gear 39T/Spring/Nylon  
SelfLocknut

**903-101**



Pinion Gear-18T/19T/Pin

**903-102**



Brake Set

**903-103**



Gear-40T/37T 1P

**903-114**



Spur Gear 39T 1P

## 933T 935T 3 DIFF

**933-001**



Center Drive Shaft-Fr. 1P

**933-002**



Center Drive Shaft-Rr. 1P

**933-003**



Upper Deck-Rr 1P

**933-004**



Throttle Linkage Set

**933-005**



Center Diff. Unit 1P

**933-006**



Center Diff. Box 1P

**933-007**



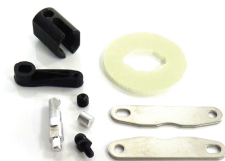
Bulkhead Center Diff. 2P

**933-008**



Cover Center Diff. 1P

**933-009**



Front Brake Set

**933-010**



Rear Brake Set

**933-012**



Rear Brake Set

## TRUGGY ONLY

**10712**



Truggy Body 1P

**10713**



Truggy Body 1P

**903-062**



Rear Bumper 1P

## BUGGY / TRUGGY

**903-006**



Fr/Rr Body Mount 2P

**903-009**



Fr. Bumper 1P

**903-002**



Tire Unit (Chromed) 2P

## BUGGY ONLY

**10514**



Buggy Body 1P

**10515**



Buggy Body 1P

**905-001**



Rear Chassis 1P

**905-002**



Rollcage Beam-A/B/C

**905-003**



Tail Wing Mount

**905-004**



Rollcage Post Set

**905-005**



Rollcage Set

**905-006**



Tail Wing 1P

**905-008**



Body Front Mount/Screw

## MONSTER TRUCK ONLY

**10341L**



Monster Truck Body 1P

**10351L**



Monster Truck Body 1P

**10352L**



Monster Truck Body 1P

**908-002**



1:10 Truck Body 1P

**801-008**



Fr/Rr Body Mount 2P

**908-004**



Front Dumper Upper Bracket 1P

**908-005**



Rear Dumper Upper Bracket 1P

**908-006**



Front Dumper Bottom Bracket 1P

**908-007**



Rear Dumper Bottom Bracket 1P

**908-003**



Exhaust Fixation Set

# 908T SPARE PARTS LIST

801-008	Fr/Rr Body Mount ( for 908T only)
901-066	Nylon Nut M3 5P
901-067	Antenna Pipe W/Cap 4P
902-031	Air Filter W/Insert 1P
902-051	Screw BT3*10 12P
903-003	Shock Absorber Unit (Plastic) 2P
903-005	Brace 1P
903-007	Body Clip 6P
903-008	Upper Susp. Arm Set 2P
903-010	Suspension Arm Mount Block 2P
903-011	Upper Susp. Arm Mount-Fr/Rr 2P
903-012	Rim Hub W/Pin 2*10 4P
903-013	Axle W/Pin 2P
903-014	Ball Bearing 6*12*4 2P
903-015	Fr/Rr Steering Arm 2P
903-016	Ball Bearing 10*15*4 2P
903-017	Fr/Rr C-Carrier W/Screw
903-018	Fr.Lower Susp.Arm (L/R) 2P
903-019	Transverse Driver Shaft Set 2P
903-020	Diff. Gearbox Unit 1P
903-021	AntiRoll Bar Set
903-022	M4 SelfLock Nut W/Washer
903-023	O-Washer 8P
903-024	Front Suspension Arm Pin (Short) 4P
903-025	Suspension Arm Pin (Long) 4P
903-026	Fr. Chassis 1P
903-027	Center Drive ShaftFr. 1P
903-028	Lower Susp. Mount Block-Fr/Rr 2P
903-029	Anti-Roll Bar Fixation Set 1P
903-030	Steering Linkage Set 2P
903-031	Servo Saver Unit 1P
903-032	Upper Deck-Fr 1P
903-033	Battery Case 1P
903-034	Switch 1P
903-035	Receiver/Battery Case Cover
903-036	Handle 1P
903-037	Steering Servo Horn And Linkage
903-038	Steering Servo Mount-A/B 2P
903-039	Upper Deck-Center 1P
903-040	Upper Deck Mount 2P
903-042	Chassis 1P
903-043	Side Guard Plate (L/R)
903-044	Throttle Servo Mount-A/B 2P
903-045	Throttle Servo Horn And Linkage Set
903-046	Center Drive ShaftRr 1P
903-047	Center Gearbox Unit 1P
903-048	Throttle Linkage Set 1P
903-049	Engine Mount
903-050	Engine Flywheel W/Pin 1P
903-051	Engine Crankshaft W/E-Clip
903-052	Clutch Shoe W/Spring
903-054	Exhaust Manifold 1P
903-056	Upper DeckRear 1P
903-057	Fuel Tank Unit 75C.C 1P
903-058	Rear Hub 2P
903-059	Rr.Lower Susp.Arm (L/R) 2P

903-060	Fuel Pipe 1P
903-061	Rear Suspension Arm Pin-Short 4P
903-065	Flat Cross Screw (TPF2.6*10) 12P
903-066	Flat Cross Screw (TPF3*8) 12P
903-067	Flat Cross Screw (TPF3*10) 12P
903-068	Flat Cross Screw (TPF3*14) 12P
903-069	Flat Cross Screw (TPF3*16) 12P
903-070	Flat Cross Screw (ISO3*10) 12P
903-071	B-Head Cross Screw (BT2.6*6) 12P
903-072	B-Head Cross Screw (BT3*8) 12P
903-073	B-Head Cross Screw (BT3*12) 12P
903-074	B-Head Cross Screw (BT3*14) 12P
903-075	B-Head Cross Screw (BT3*16) 12P
903-076	B-Head Cross Screw (BT3*20) 12P
903-078	B-Head Cross Screw (BT4*8) 12P
903-079	B-Head Cross Screw (BM3*10) 12P
903-080	Cap Head Hexagon Screw (HM3*25) 6P
903-081	Cap Head Hexagon Screw (HM3*10) 6P
903-082	Diff. Outdrive A 1P
903-083	Diff. Outdrive B 1P
903-085	Exhaust Fixation Set
903-086	Ball Bearing 5*10*4 2P
903-087	Ball Bearing 12*18*4 2P
903-088	E-Clip 4*0.6 12P
903-089	Pin 2*9.5 12P
903-090	Pin 2*12.5 12P
903-091	Washer A (5.2*10*0.2) 12P
903-092	Washer B (4.2*8*0.2) 12P
903-093	Nylon SelfLock Nut (M4*4) 6P
903-094	Double Way Ball End (7*8) 6P
903-095	Set Screw M4*4 12P
903-096	Set Screw M4*8 6P
903-097	Diff. Gearbox
903-098	Diff. Gearbox Bulkhead-Upper/Lower 1P
903-099	Gearbox Bulkhead-Fr./Rr. (Same As Rc-009F) 1P
903-100	Spur Gear 39T/Spring/Nylon SelfLocknut
903-101	Pinion Gear-18T/19T/Pin
903-102	Brake Set
903-103	Gear-40T/37T 1P
903-104	Diff. Unit 1P
903-105	Driving/Driven Gear, Diff.Gear/Bevel Gears
903-106	Screw Pin M3*9.5 12P
903-107	Antenna Mount 3P
903-109	Outdrive Cups (Longer)
903-110	Outdrive Cups (Shorter)
903-112	Motor Washer 4P Screw, 4P Washer
903-114	Spur Gear 39T 1P
908-002	Tire Unit (Chromed) 2P
908-003	Exhaust Fixation Set
908-004	Front Dumper Upper Bracket 1P
908-005	Rear Dumper Upper Bracket 1P
908-006	Front Dumper Bottom Bracket 1P
908-007	Rear Dumper Bottom Bracket 1P
933-011	Clutch Bell (15T) 1P
MPO-15	Aluminum Exhaust Pipe

# 903T, 933T SPARE PARTS LIST

901-066	Nylon Nut M3 5P
901-067	Antenna Pipe W/Cap 4P
902-031	Air Filter W/Insert 1P
902-051	Screw BT3*10 12P
903-002	Tire Unit (Chromed) 2P
903-003	Shock Absorber Unit (Plastic) 2P
903-005	Brace 1P
903-006	Fr/Rr Body Mount 2P
903-007	Body Clip 6P
903-008	Upper Susp. Arm Set 2P
903-009	Fr. Bumper 1P
903-010	Suspension Arm Mount Block 2P
903-011	Upper Susp. Arm Mount-Fr/Rr 2P
903-012	Rim Hub W/Pin 2*10 4P
903-013	Axle W/Pin 2P
903-014	Ball Bearing 6*12*4 2P
903-015	Fr/Rr Steering Arm 2P
903-016	Ball Bearing 10*15*4 2P
903-017	Fr/Rr C-Carrier W/Screw
903-018	Fr.Lower Susp.Arm (L/R) 2P
903-019	Transverse Driver Shaft Set 2P
903-020	Diff. Gearbox Unit 1P
903-021	AntiRoll Bar Set
903-022	M4 SelfLock Nut W/Washer
903-023	O-Washer 8P
903-024	Front Suspension Arm Pin (Short) 4P
903-025	Suspension Arm Pin (Long) 4P
903-026	Fr. Chassis 1P
903-027	Center Drive ShaftFr. 1P (For 903T Only)
903-028	Lower Susp. Mount Block-Fr/Rr 2P
903-029	Anti-Roll Bar Fixation Set 1P
903-030	Steering Linkage Set 2P
903-031	Servo Saver Unit 1P
903-032	Upper Deck-Fr 1P
903-033	Battery Case 1P
903-034	Switch 1P
903-035	Receiver/Battery Case Cover
903-036	Handle 1P
903-037	Steering Servo Horn And Linkage
903-038	Steering Servo Mount-A/B 2P
903-039	Upper Deck-Center 1P
903-040	Upper Deck Mount 2P
903-042	Chassis 1P
903-043	Side Guard Plate (L/R)
903-044	Throttle Servo Mount-A/B 2P
903-045	Throttle Servo Horn And Linkage Set (For 903T Only)
903-046	Center Drive ShaftRr 1P (For 903T Only)
903-047	Center Gearbox Unit 1P (For 903T Only)
903-048	Throttle Linkage Set 1P (For 903T Only)
903-049	Engine Mount
903-050	Engine Flywheel W/Pin 1P
903-051	Engine Crankshaft W/E-Clip
903-052	Clutch Shoe W/Spring
903-053	Clutch Bell 18T 1P (For 903T Only)
903-054	Exhaust Manifold 1P
903-055	Exhaust Pipe Coupler 1P
903-056	Upper DeckRear 1P (For 903T Only)
903-057	Fuel Tank Unit 75C.C 1P
903-058	Rear Hub 2P
903-059	Rr.Lower Susp.Arm (L/R) 2P
903-060	Fuel Pipe 1P
903-061	Rear Suspension Arm Pin-Short 4P

903-062	Rear Bumper 1P
903-065	Flat Cross Screw (TPF2.6*10) 12P
903-066	Flat Cross Screw (TPF3*8) 12P
903-067	Flat Cross Screw (TPF3*10) 12P
903-068	Flat Cross Screw (TPF3*14) 12P
903-069	Flat Cross Screw (TPF3*16) 12P
903-070	Flat Cross Screw (ISO3*10) 12P
903-071	B-Head Cross Screw (BT2.6*6) 12P
903-072	B-Head Cross Screw (BT3*8) 12P
903-073	B-Head Cross Screw (BT3*12) 12P
903-074	B-Head Cross Screw (BT3*14) 12P
903-075	B-Head Cross Screw (BT3*16) 12P
903-076	B-Head Cross Screw (BT3*20) 12P
903-077	B-Head Cross Screw (BT2.6*10) 12P
903-078	B-Head Cross Screw (BT4*8) 12P
903-079	B-Head Cross Screw (BM3*10) 12P
903-080	Cap Head Hexagon Screw (HM3*25) 6P
903-081	Cap Head Hexagon Screw (HM3*10) 6P
903-082	Diff. Outdrive A 1P
903-083	Diff. Outdrive B 1P
903-085	Exhaust Fixation Set
903-086	Ball Bearing 5*10*4 2P
903-087	Ball Bearing 12*18*4 2P
903-088	E-Clip 4*0.6 12P
903-089	Pin 2*9.5 12P
903-090	Pin 2*12.5 12P
903-091	Washer A (5.2*10*0.2) 12P
903-092	Washer B (4.2*8*0.2) 12P
903-093	Nylon SelfLock Nut (M4*4) 6P
903-094	Double Way Ball End (7*8) 6P
903-095	Set Screw M4*4 12P
903-096	Set Screw M4*8 6P
903-097	Diff. Gearbox
903-098	Diff. Gearbox Bulkhead-Upper/Lower 1P
903-099	Gearbox Bulkhead-Fr./Rr. (Same As Rc-009F) 1P (For 903T Only)
903-100	Spur Gear 39T/Spring/Nylon SelfLocknut (For 903T Only)
903-101	Pinion Gear-18T/19T/Pin (For 903T Only)
903-102	Brake Set (For 903T Only)
903-103	Gear-40T/37T 1P (For 903T Only)
903-104	Diff. Unit 1P
903-105	Driving/Driven Gear, Diff.Gear/Bevel Gears
903-106	Screw Pin M3*9.5 12P
903-107	Antenna Mount 3P
903-109	Outdrive Cups (Longer)
903-110	Outdrive Cups (Shorter)
903-112	Motor Washer 4P Screw, 4P Washer
903-114	Spur Gear 39T 1P (For 903T Only)
933-001	Center Drive Shaft-Fr. 1P (For 933T Only)
933-002	Center Drive Shaft-Rr. 1P (For 933T Only)
933-003	Upper Deck-Rr 1P (For 933T Only)
933-004	Throttle Linkage Set (For 933T Only)
933-005	Center Diff. Unit 1P (For 933T Only)
933-006	Center Diff. Box 1P (For 933T Only)
933-007	Bulkhead Center Diff. 2P (For 933T Only)
933-008	Cover Center Diff. 1P (For 933T Only)
933-009	Front Brake Set (For 933T Only)
933-010	Rear Brake Set (For 933T Only)
933-011	Clutch Bell (15T) 1P (For 933T Only)
933-012	Spur Gear 46T Center Diff. 1P (For 933T Only)
MPO-15	Aluminum Exhaust Pipe



# 905T, 935T SPARE PARTS LIST

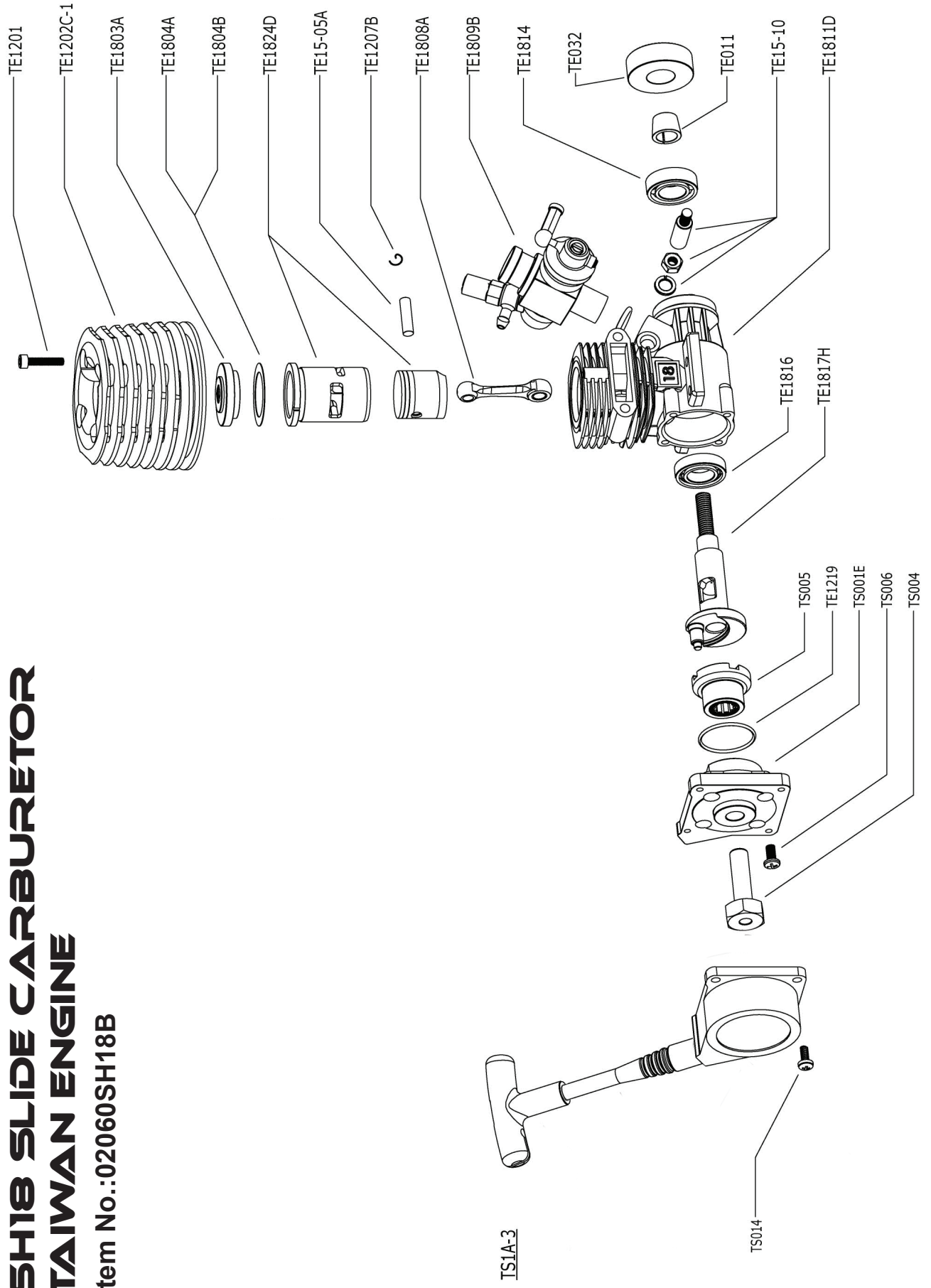
901-066	Nylon Nut M3 5P
901-067	Antenna Pipe W/Cap 4P
902-031	Air Filter W/Insert 1P
902-051	Screw BT3*10 12P
903-002	Tire Unit (Chromed) 2P
903-003	Shock Absorber Unit (Plastic) 2P
903-005	Brace 1P
903-006	Fr/Rr Body Mount 2P
903-007	Body Clip 6P
903-008	Upper Susp. Arm Set 2P
903-009	Fr. Bumper 1P
903-010	Suspension Arm Mount Block 2P
903-011	Upper Susp. Arm Mount-Fr/Rr 2P
903-012	Rim Hub W/Pin 2*10 4P
903-013	Axle W/Pin 2P
903-014	Ball Bearing 6*12*4 2P
903-015	Fr/Rr Steering Arm 2P
903-016	Ball Bearing 10*15*4 2P
903-017	Fr/Rr C-Carrier W/Screw
903-018	Fr.Lower Susp.Arm (L/R) 2P
903-019	Transverse Driver Shaft Set 2P
903-020	Diff. Gearbox Unit 1P
903-021	AntiRoll Bar Set
903-022	M4 SelfLock Nut W/Washer
903-023	O-Washer 8P
903-024	Front Suspension Arm Pin (Short) 4P
903-025	Suspension Arm Pin (Long) 4P
903-026	Fr. Chassis 1P
903-027	Center Drive ShaftFr. 1P (For 905T Only)
903-028	Lower Susp. Mount Block-Fr/Rr 2P
903-029	Anti-Roll Bar Fixation Set 1P
903-030	Steering Linkage Set 2P
903-031	Servo Saver Unit 1P
903-032	Upper Deck-Fr 1P
903-033	Battery Case 1P
903-034	Switch 1P
903-035	Receiver/Battery Case Cover
903-036	Handle 1P
903-037	Steering Servo Horn And Linkage
903-038	Steering Servo Mount-A/B 2P
903-039	Upper Deck-Center 1P
903-040	Upper Deck Mount 2P
903-042	Chassis 1P
903-043	Side Guard Plate (L/R)
903-044	Throttle Servo Mount-A/B 2P
903-045	Throttle Servo Horn And Linkage Set (For 905T Only)
903-046	Center Drive ShaftRr 1P (For 905T Only)
903-047	Center Gearbox Unit 1P (For 905T Only)
903-048	Throttle Linkage Set 1P (For 905T Only)
903-049	Engine Mount
903-050	Engine Flywheel W/Pin 1P
903-051	Engine Crankshaft W/E-Clip
903-052	Clutch Shoe W/Spring
903-053	Clutch Bell 18T 1P (For 905T Only)
903-054	Exhaust Manifold 1P
903-055	Exhaust Pipe Coupler 1P
903-056	Upper DeckRear 1P (For 905T Only)
903-057	Fuel Tank Unit 1P
903-058	Rear Hub 2P
903-059	Rr.Lower Susp.Arm (L/R) 2P
903-060	Fuel Pipe 1P
903-061	Rear Suspension Arm Pin-Short 4P
903-065	Flat Cross Screw (TPF2.6*10) 12P
903-066	Flat Cross Screw (TPF3*8) 12P
903-067	Flat Cross Screw (TPF3*10) 12P

903-068	Flat Cross Screw (TPF3*14) 12P
903-069	Flat Cross Screw (TPF3*16) 12P
903-070	Flat Cross Screw (ISO3*10) 12P
903-071	B-Head Cross Screw (BT2.6*6) 12P
903-072	B-Head Cross Screw (BT3*8) 12P
903-073	B-Head Cross Screw (BT3*12) 12P
903-074	B-Head Cross Screw (BT3*14) 12P
903-075	B-Head Cross Screw (BT3*16) 12P
903-076	B-Head Cross Screw (BT3*20) 12P
903-077	B-Head Cross Screw (BT2.6*10) 12P
903-078	B-Head Cross Screw (BT4*8) 12P
903-079	B-Head Cross Screw (BM3*10) 12P
903-080	Cap Head Hexagon Screw (HM3*25) 6P
903-081	Cap Head Hexagon Screw (HM3*10) 6P
903-082	Diff. Outdrive A 1P
903-083	Diff. Outdrive B 1P
903-085	Exhaust Fixation Set
903-086	Ball Bearing 5*10*4 2P
903-087	Ball Bearing 12*18*4 2P
903-088	E-Clip 4*0.6 12P
903-089	Pin 2*9.5 12P
903-090	Pin 2*12.5 12P
903-091	Washer A (5.2*10*0.2) 12P
903-092	Washer B (4.2*8*0.2) 12P
903-093	Nylon SelfLock Nut (M4*4) 6P
903-094	Double Way Ball End (7*8) 6P
903-095	Set Screw M4*4 12P
903-096	Set Screw M4*8 6P
903-097	Diff. Gearbox
903-098	Diff. Gearbox Bulkhead-Upper/Lower 1P
903-099	Gearbox Bulkhead-Fr./Rr. (Same As Rc-009F) 1P (For 905T Only)
903-100	Spur Gear 39T/Spring/Nylon SelfLocknut (For 905T Only)
903-101	Pinion Gear-18T/19T/Pin (For 905T Only)
903-102	Brake Set (For 905T Only)
903-103	Gear-40T/37T 1P (For 905T Only)
903-104	Diff. Unit 1P
903-105	Driving/Driven Gear, Diff.Gear/Bevel Gears
903-106	Screw Pin M3*9.5 12P
903-107	Antenna Mount 3P
903-109	Outdrive Cups (Longer)
903-110	Outdrive Cups (Shorter)
903-112	Motor Washer 4P Screw, 4P Washer
903-114	Spur Gear 39T 1P (For 905T Only)
905-001	Rear Chassis 1P
905-002	Rollcage Beam-A/B/C
905-003	Tail Wing Mount
905-004	Rollcage Post Set
905-005	Rollcage Set
905-006	Tail Wing 1P
905-008	Body Front Mount/Screw
933-001	Center Drive Shaft-Fr. 1P (For 935T Only)
933-002	Center Drive Shaft-Rr. 1P (For 935T Only)
933-003	Upper Deck-Rr 1P (For 935T Only)
933-004	Throttle Linkage Set (For 935T Only)
933-005	Center Diff. Unit 1P (For 935T Only)
933-006	Center Diff. Box 1P (For 935T Only)
933-007	Bulkhead Center Diff. 2P (For 935T Only)
933-008	Cover Center Diff. 1P (For 935T Only)
933-009	Front Brake Set (For 935T Only)
933-010	Rear Brake Set (For 935T Only)
933-011	Clutch Bell (15T) 1P (For 935T Only)
933-012	Spur Gear 46T Center Diff. 1P (For 935T Only)
MPO-15	Aluminum Exhaust Pipe

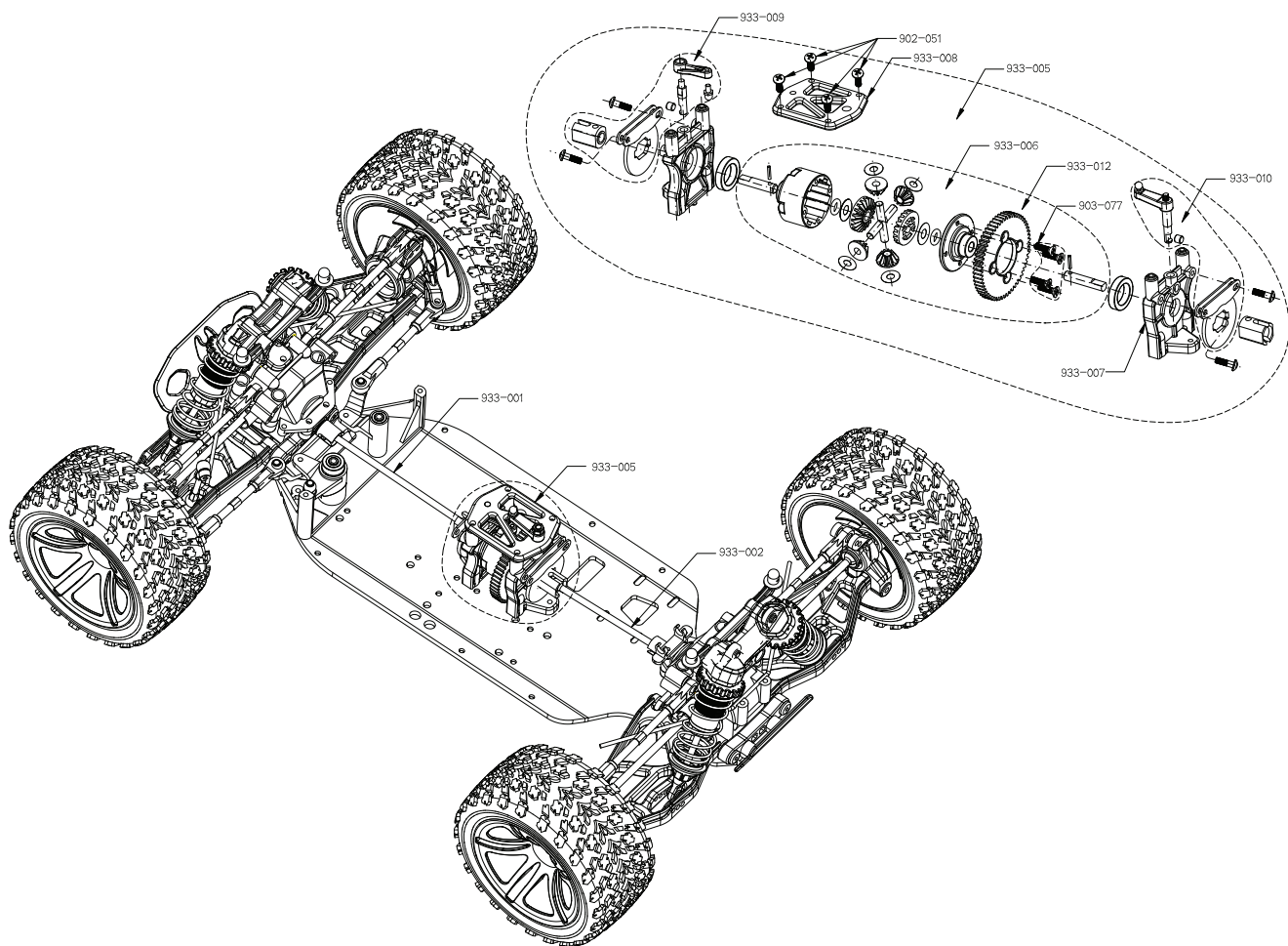
# ENGINE

## SH18 SLIDE CARBURETOR TAIWAN ENGINE

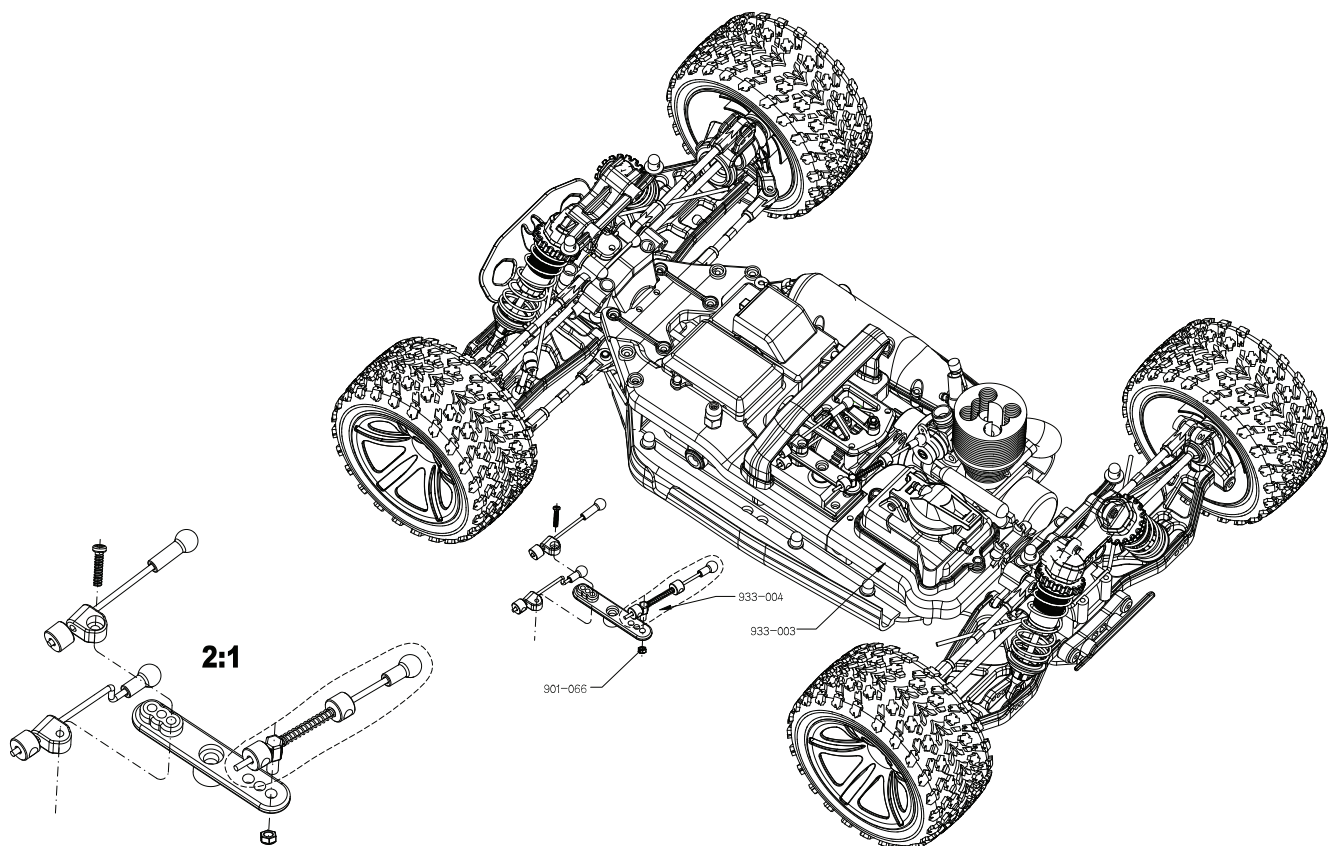
Item No.:02060SH18B



## 933T, 935T THREE DIFF



## THROTTLE AND BRAKE SYSTEM





This is a detailed exploded view diagram of a 1/10 scale RC truck chassis. The diagram illustrates the assembly of various components, including the motor, gearbox, suspension, steering, and drivetrain. Key parts are labeled with part numbers, and some are color-coded: 10341L (White), 10351L (Blue), and 10352L (Red). The diagram shows the truck's body, chassis, and various mechanical parts like the motor, gearbox, suspension, steering, and drivetrain. The components are arranged in a way that shows their relative positions and how they fit together. The diagram is a technical drawing used for assembly and repair.

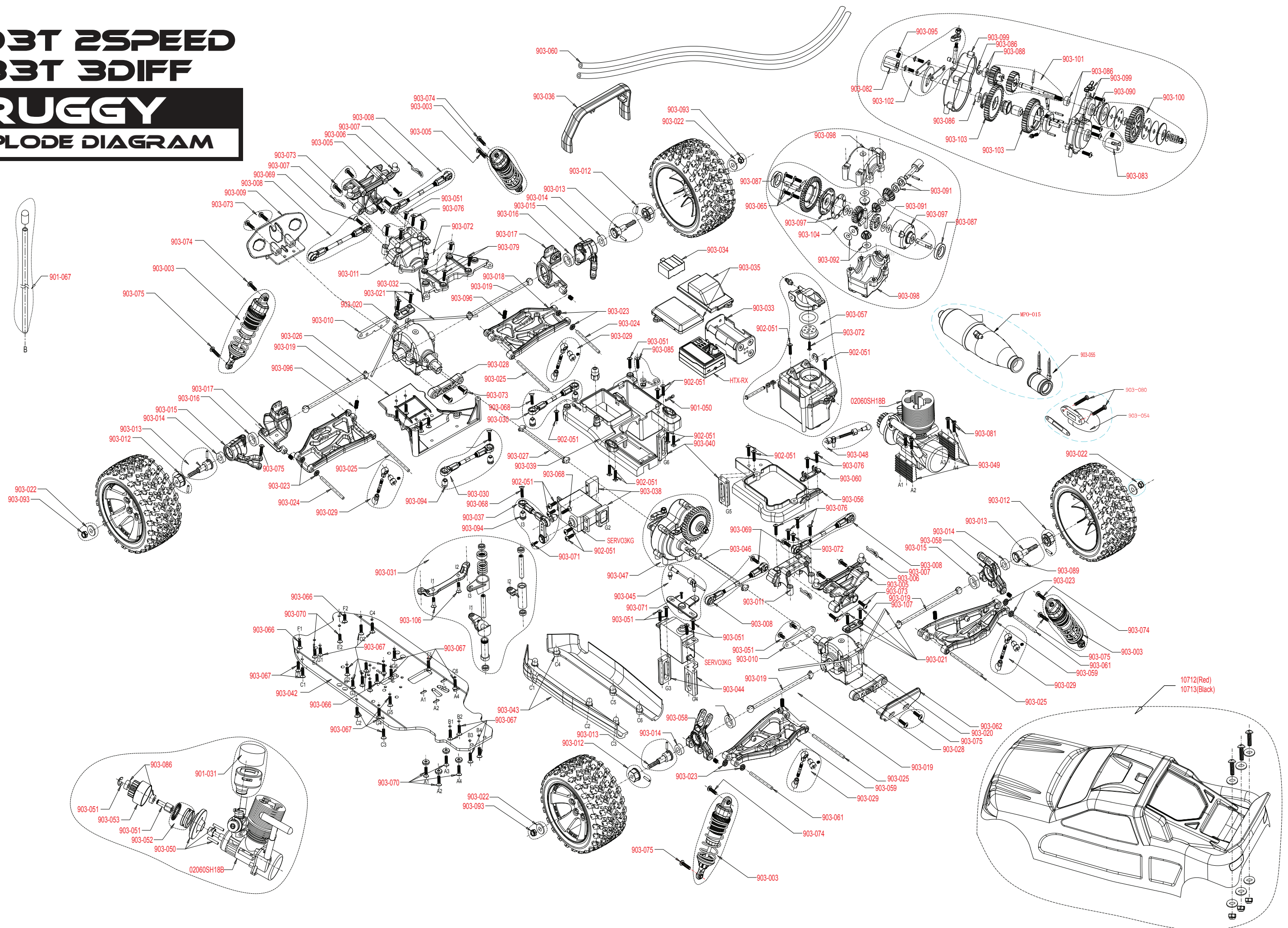
Key components and part numbers visible in the diagram include:

- Motor and Gearbox:** 02060SH18B, 902-051, 903-033, 903-034, 903-035, 903-036, 903-037, 903-038, 903-039, 903-040, 903-041, 903-042, 903-043, 903-044, 903-045, 903-046, 903-047, 903-048, 903-049, 903-050, 903-051, 903-052, 903-053, 903-054, 903-055, 903-056, 903-057, 903-058, 903-059, 903-060, 903-061, 903-062, 903-063, 903-064, 903-065, 903-066, 903-067, 903-068, 903-069, 903-070, 903-071, 903-072, 903-073, 903-074, 903-075, 903-076, 903-077, 903-078, 903-079, 903-080, 903-081, 903-082, 903-083, 903-084, 903-085, 903-086, 903-087, 903-088, 903-089, 903-090, 903-091, 903-092, 903-093, 903-094, 903-095, 903-096, 903-097, 903-098, 903-099, 903-100, 903-101, 903-102, 903-103, 903-104, 903-105, 903-106, 903-107, 903-108, 903-109, 903-110, 903-111, 903-112, 903-113, 903-114, 903-115, 903-116, 903-117, 903-118, 903-119, 903-120, 903-121, 903-122, 903-123, 903-124, 903-125, 903-126, 903-127, 903-128, 903-129, 903-130, 903-131, 903-132, 903-133, 903-134, 903-135, 903-136, 903-137, 903-138, 903-139, 903-140, 903-141, 903-142, 903-143, 903-144, 903-145, 903-146, 903-147, 903-148, 903-149, 903-150, 903-151, 903-152, 903-153, 903-154, 903-155, 903-156, 903-157, 903-158, 903-159, 903-160, 903-161, 903-162, 903-163, 903-164, 903-165, 903-166, 903-167, 903-168, 903-169, 903-170, 903-171, 903-172, 903-173, 903-174, 903-175, 903-176, 903-177, 903-178, 903-179, 903-180, 903-181, 903-182, 903-183, 903-184, 903-185, 903-186, 903-187, 903-188, 903-189, 903-190, 903-191, 903-192, 903-193, 903-194, 903-195, 903-196, 903-197, 903-198, 903-199, 903-200, 903-201, 903-202, 903-203, 903-204, 903-205, 903-206, 903-207, 903-208, 903-209, 903-210, 903-211, 903-212, 903-213, 903-214, 903-215, 903-216, 903-217, 903-218, 903-219, 903-220, 903-221, 903-222, 903-223, 903-224, 903-225, 903-226, 903-227, 903-228, 903-229, 903-230, 903-231, 903-232, 903-233, 903-234, 903-235, 903-236, 903-237, 903-238, 903-239, 903-240, 903-241, 903-242, 903-243, 903-244, 903-245, 903-246, 903-247, 903-248, 903-249, 903-250, 903-251, 903-252, 903-253, 903-254, 903-255, 903-256, 903-257, 903-258, 903-259, 903-260, 903-261, 903-262, 903-263, 903-264, 903-265, 903-266, 903-267, 903-268, 903-269, 903-270, 903-271, 903-272, 903-273, 903-274, 903-275, 903-276, 903-277, 903-278, 903-279, 903-280, 903-281, 903-282, 903-283, 903-284, 903-285, 903-286, 903-287, 903-288, 903-289, 903-290, 903-291, 903-292, 903-293, 903-294, 903-295, 903-296, 903-297, 903-298, 903-299, 903-300, 903-301, 903-302, 903-303, 903-304, 903-305, 903-306, 903-307, 903-308, 903-309, 903-310, 903-311, 903-312, 903-313, 903-314, 903-315, 903-316, 903-317, 903-318, 903-319, 903-320, 903-321, 903-322, 903-323, 903-324, 903-325, 903-326, 903-327, 903-328, 903-329, 903-330, 903-331, 903-332, 903-333, 903-334, 903-335, 903-336, 903-337, 903-338, 903-339, 903-340, 903-341, 903-342, 903-343, 903-344, 903-345, 903-346, 903-347, 903-348, 903-349, 903-350, 903-351, 903-352, 903-353, 903-354, 903-355, 903-356, 903-357, 903-358, 903-359, 903-360, 903-361, 903-362, 903-363, 903-364, 903-365, 903-366, 903-367, 903-368, 903-369, 903-370, 903-371, 903-372, 903-373, 903-374, 903-375, 903-376, 903-377, 903-378, 903-379, 903-380, 903-381, 903-382, 903-383, 903-384, 903-385, 903-386, 903-387, 903-388, 903-389, 903-390, 903-391, 903-392, 903-393, 903-394, 903-395, 903-396, 903-397, 903-398, 903-399, 903-400, 903-401, 903-402, 903-403, 903-404, 903-405, 903-406, 903-407, 903-408, 903-409, 903-410, 903-411, 903-412, 903-413, 903-414, 903-415, 903-416, 903-417, 903-418, 903-419, 903-420, 903-421, 903-422, 903-423, 903-424, 903-425, 903-426, 903-427, 903-428, 903-429, 903-430, 903-431, 903-432, 903-433, 903-434, 903-435, 903-436, 903-437, 903-438, 903-439, 903-440, 903-441, 903-442, 903-443, 903-444, 903-445, 903-446, 903-447, 903-448, 903-449, 903-450, 903-451, 903-452, 903-453, 903-454, 903-455, 903-456, 903-457, 903-458, 903-459, 903-460,



# TRUGGY

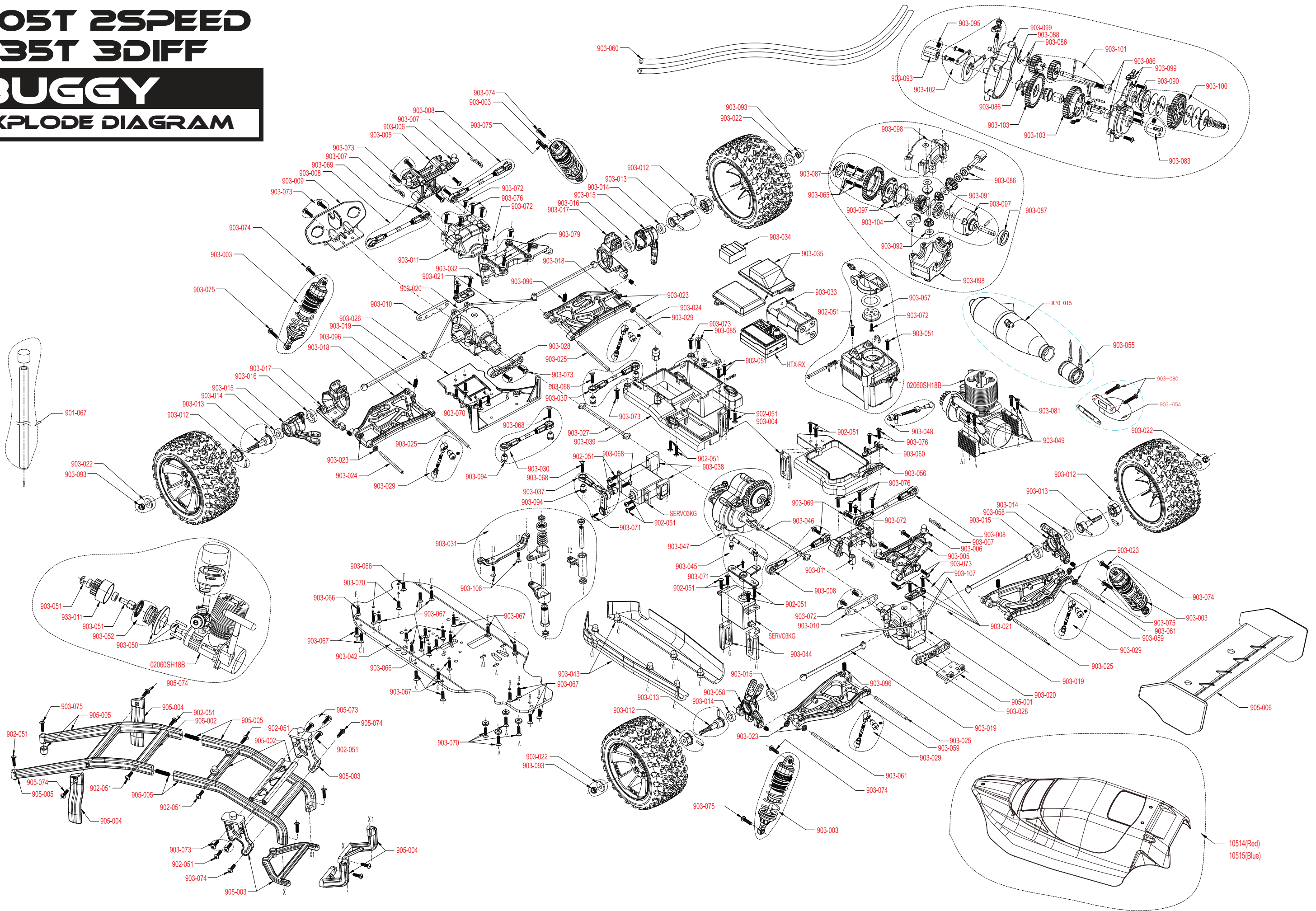
## EXPLODE DIAGRAM





# BUGGY

## EXPLODE DIAGRAM



**HIMOTO**