

1/8TH SCALE 4WD NITRO POWERED RACE CAR

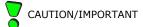
ITEMS REQUIRED FOR OPERATION

TOOLS REQUIRED

- 2CH RADIO SET FOR RC CAR (TRANSMITTER, RECEIVER, SERVO 2pcs.) •
- **MOTOR & EXHAUST**
- BATTERIE FOR RECEIVER
- **CHARGER**
- BODYSHELL (1/8 onroad)
- **TIRES**
- SERVO HORN

- HEXAGON WRENCHES (1,5mm/2mm/2,5mm)
 - **NEEDLE NOSE PLIERS**
- WIRE CUTTERS
- SHARP HOBBY KNIFE
- **SCISSORS**
- VERNIER CALIPERS
- **INSTANT GLUE**
- TURNBUCKLE WRENCH

SYMPOLS EXPLAINED







ASSEMBLED CORRECTLY



RECOMMENDATION



FRONT LEFT SIDE



FRONT RIGHT SIDE



DETAILED VIEW





ASSEMBLED WRONGLY



BUILD SHOWN VALUE



REAR LEFT SIDE



REAR RIGHT SIDE



USED KIT BAG#



CHECK SETUP SHEET



SG2x10

123 ASSEMBLE IN ORDER



USE GREASE



USE SCREW LOCK

CTW-46

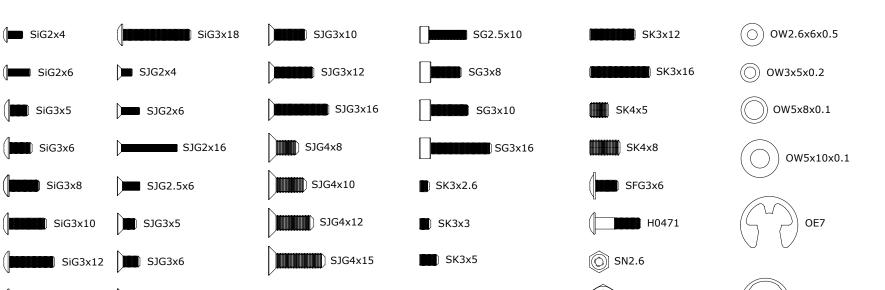


USE SILICONE OIL

SCREW CHART THESE ARE THE ACTUAL SIZES OF THE SCREWS & OTHER HARDWARE INCLUDED WITH THIS KIT

SJG3x8

SiG3x14





STW-14

SK3x10





SK3x3 2pcs.

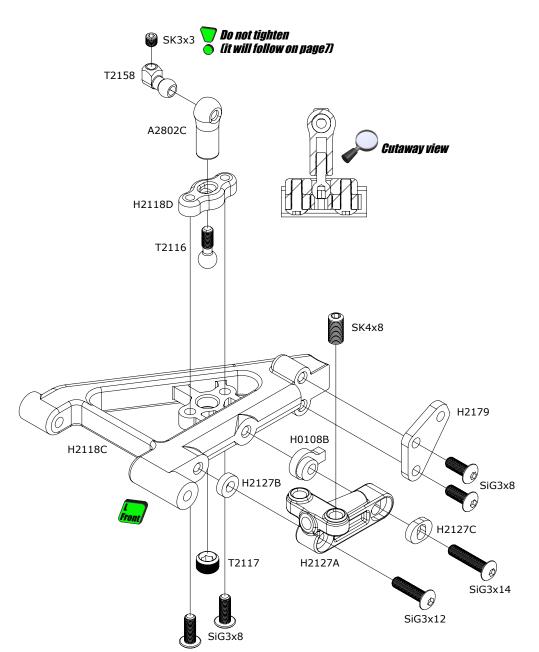


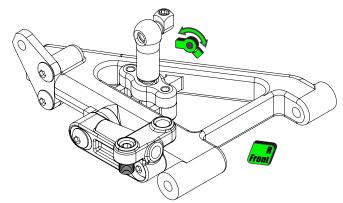
SK4x8 2pcs.

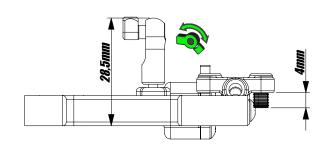






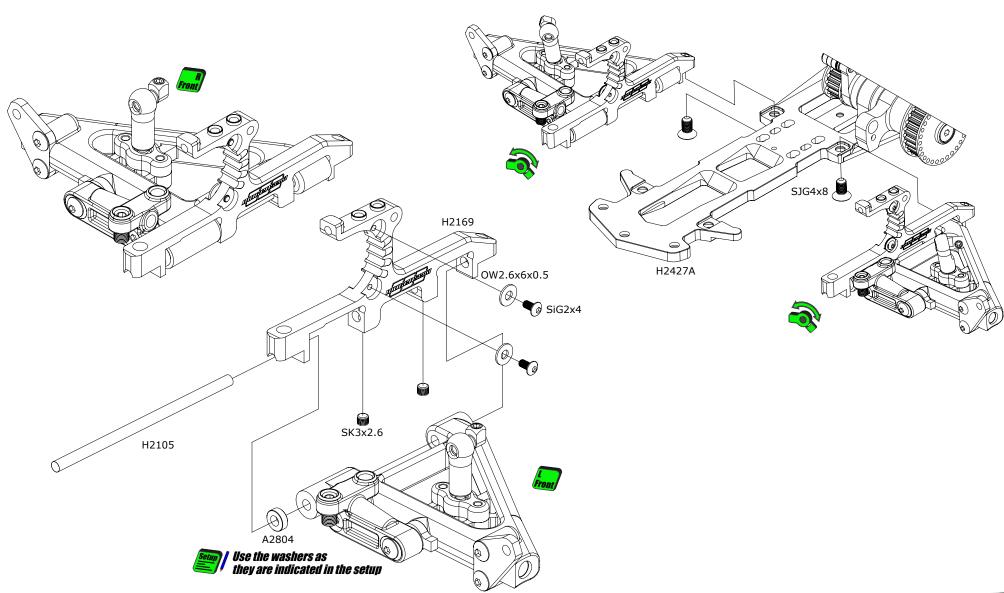


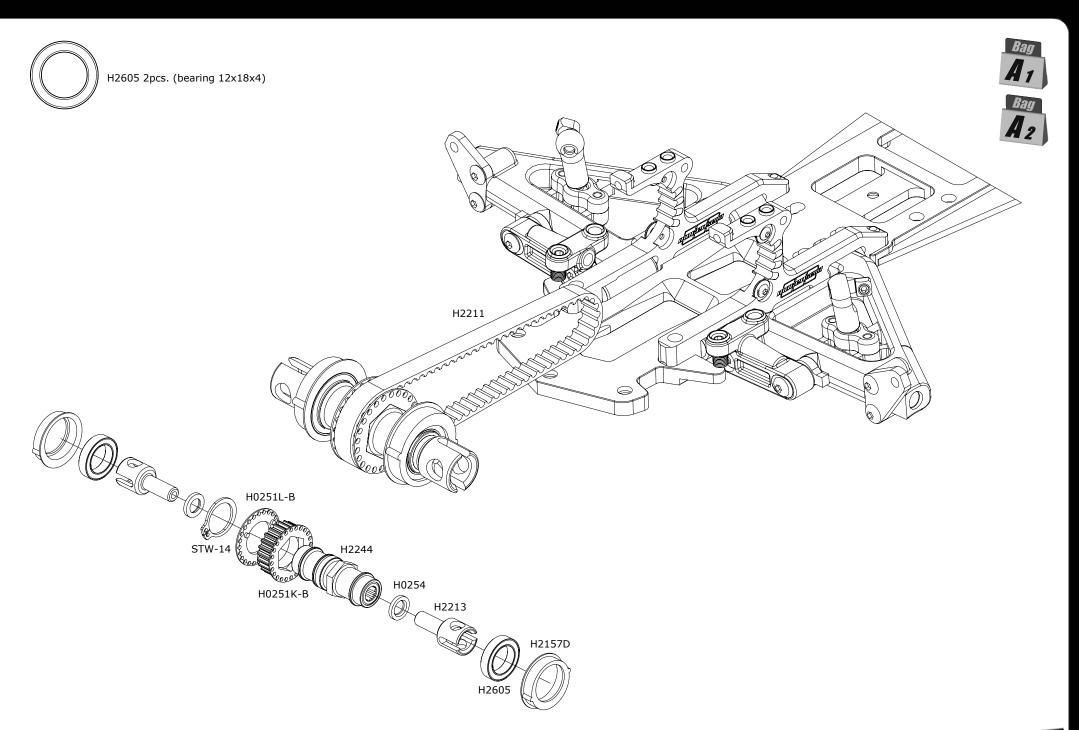




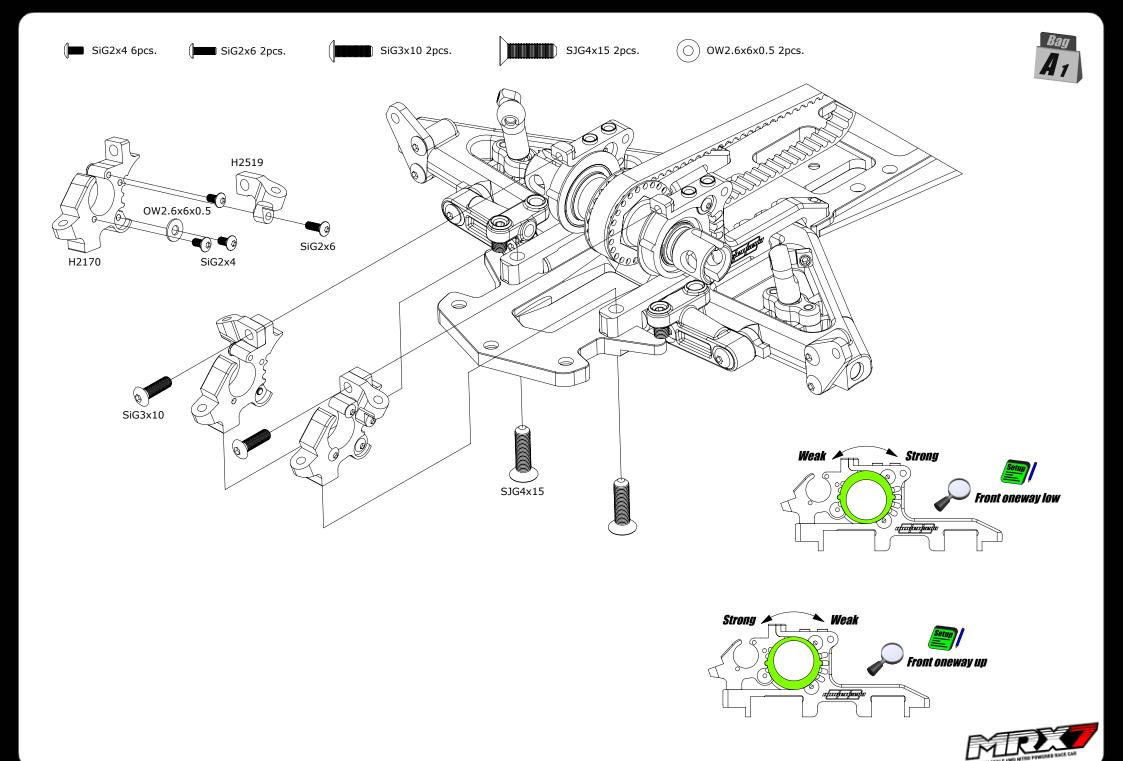


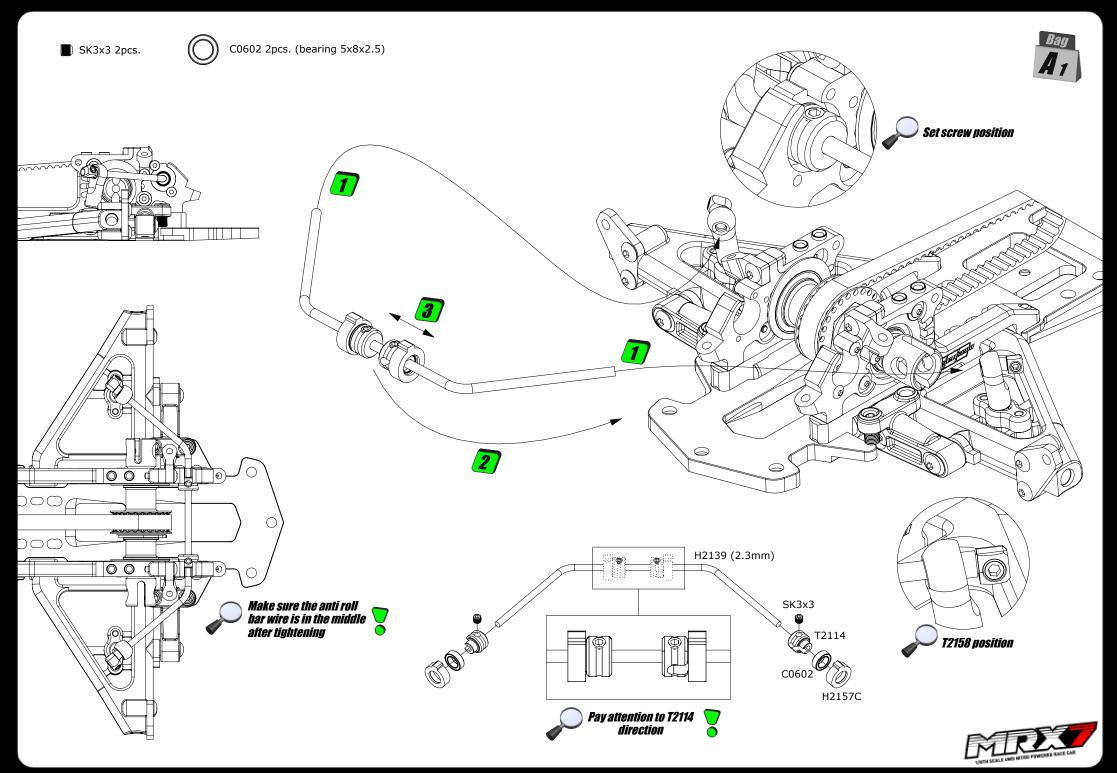


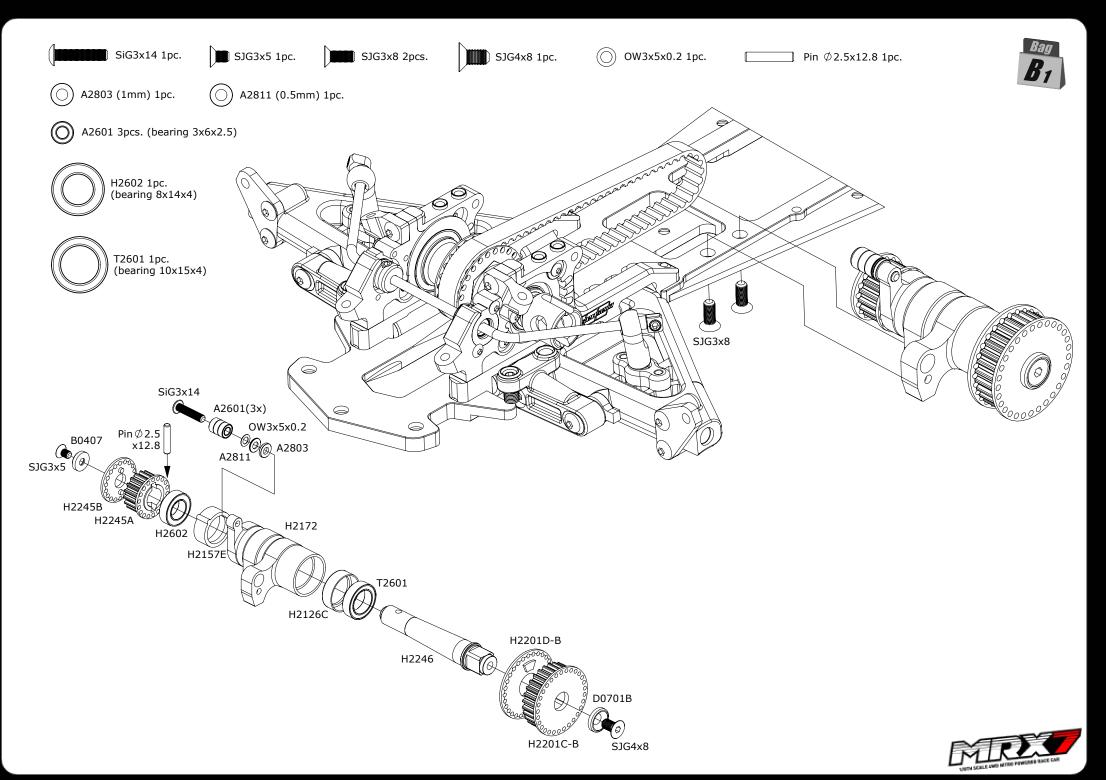


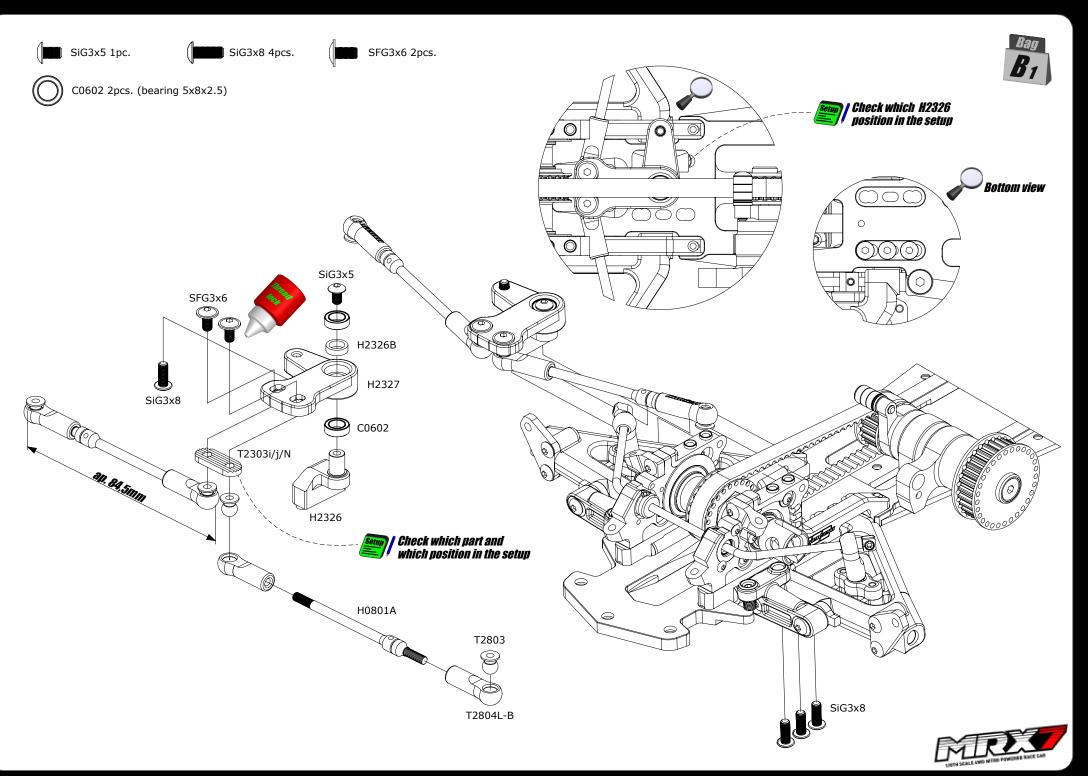


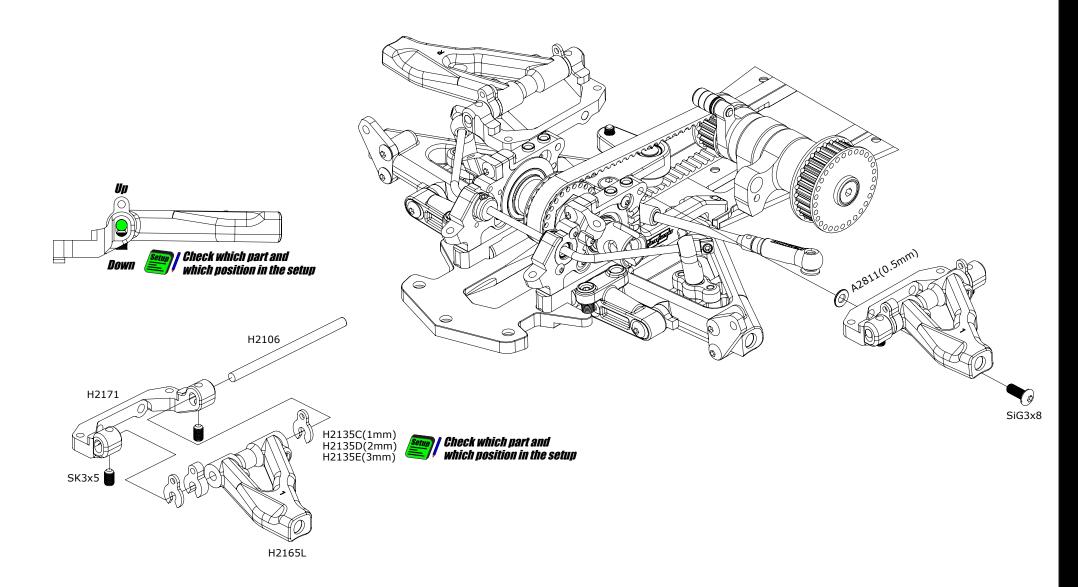




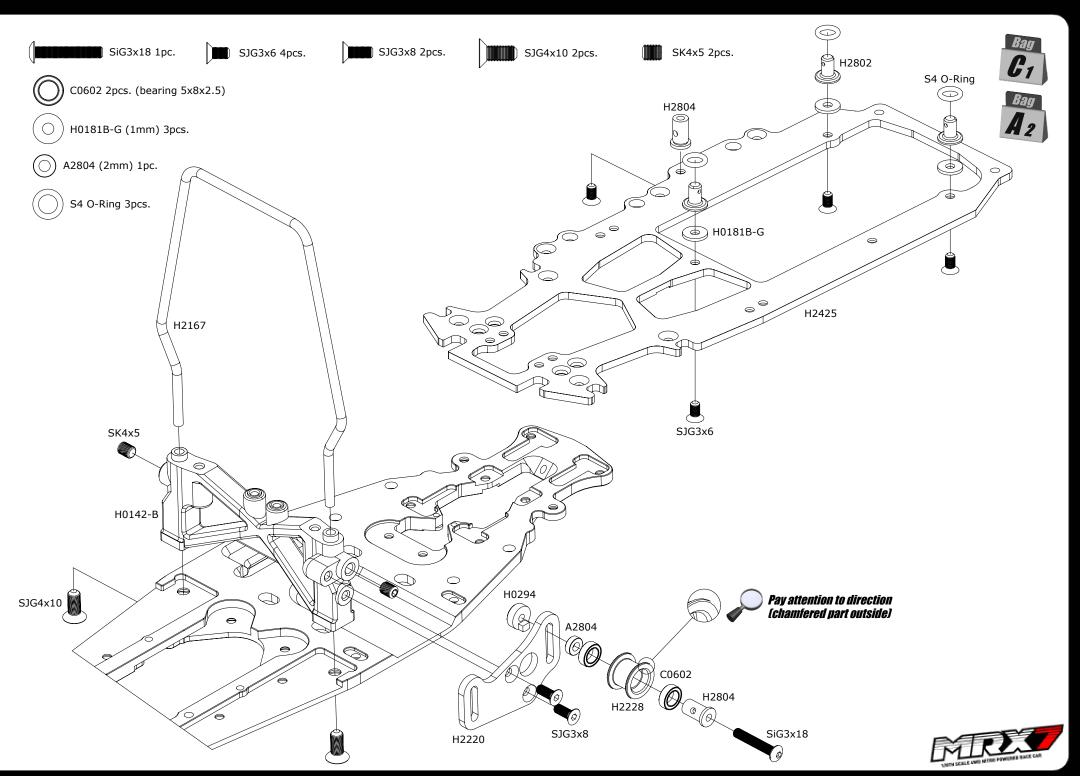


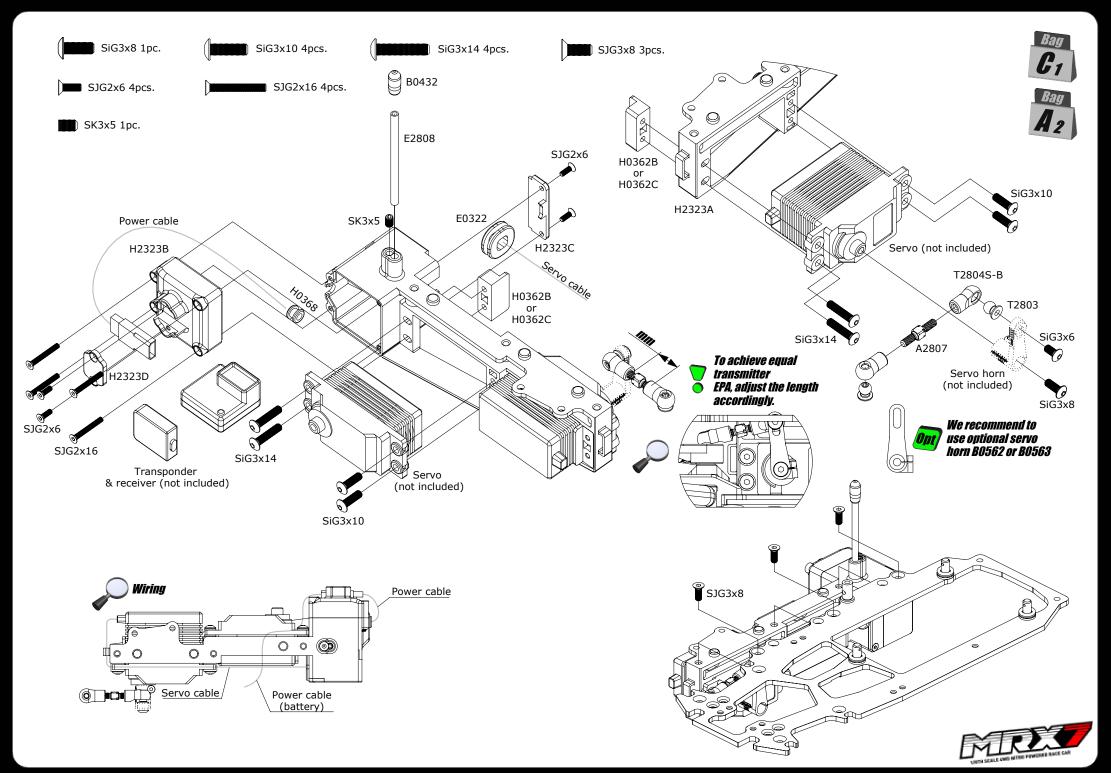


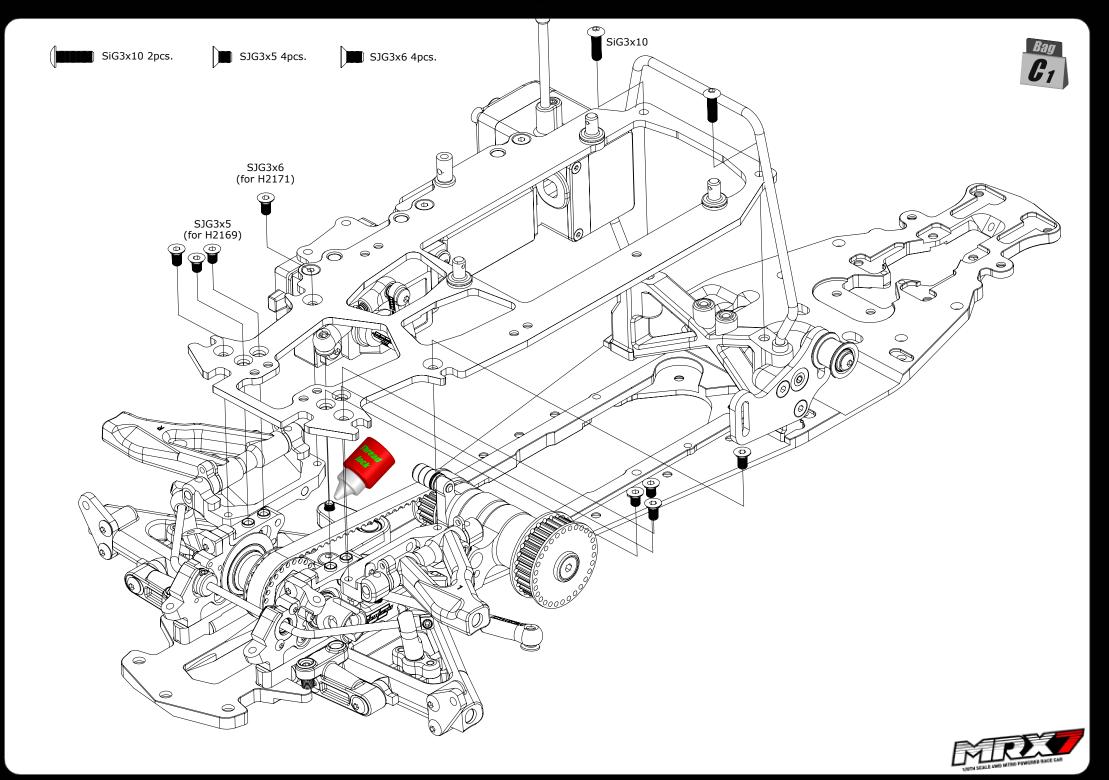




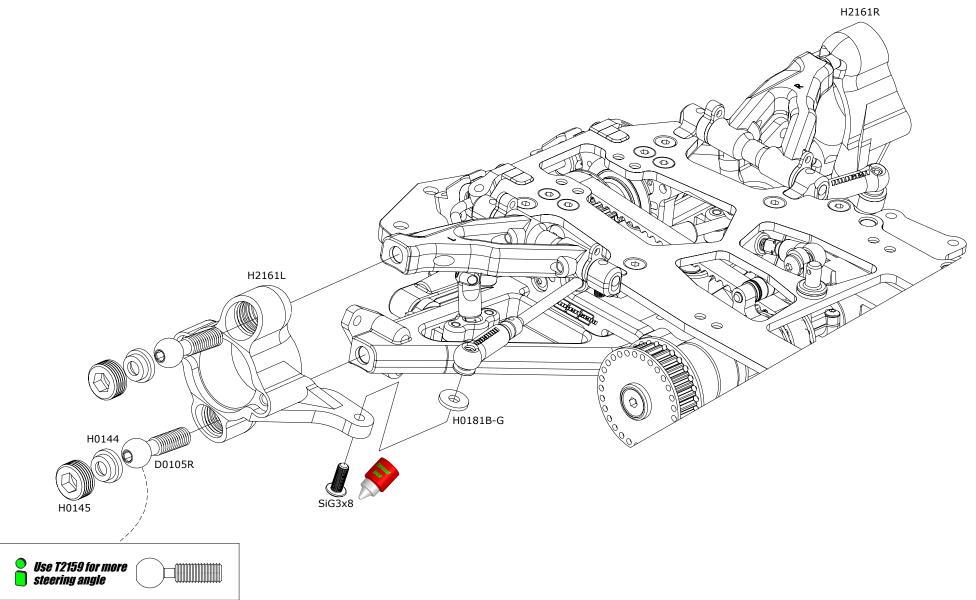




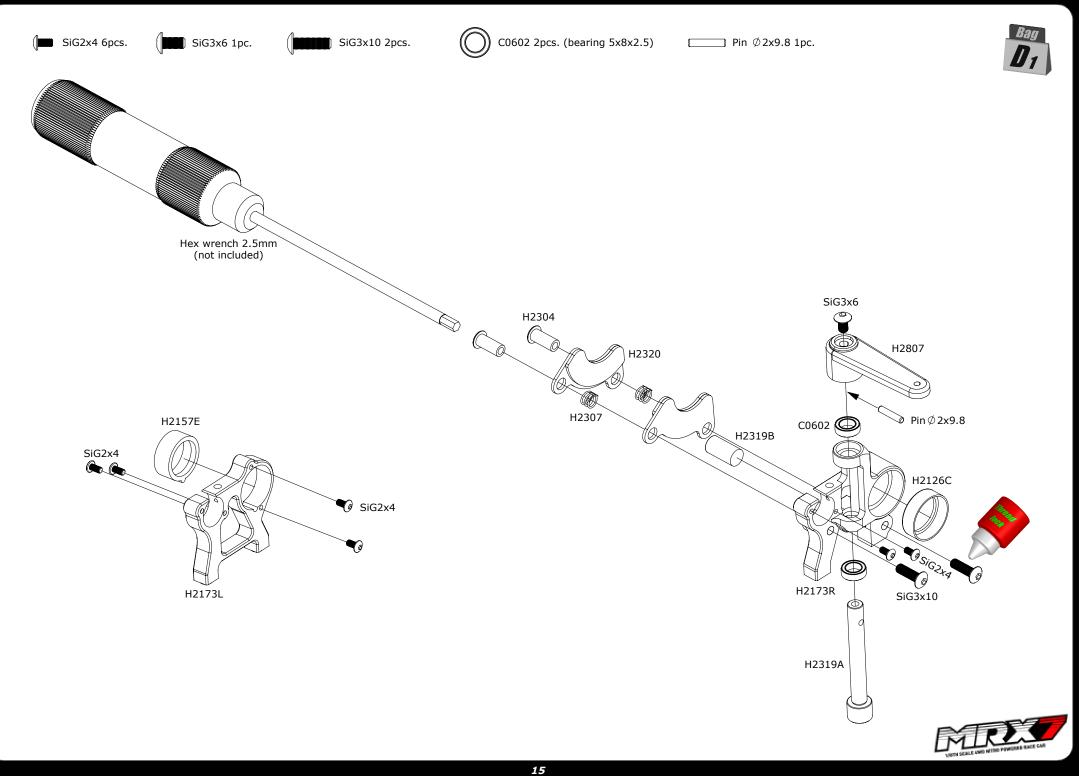


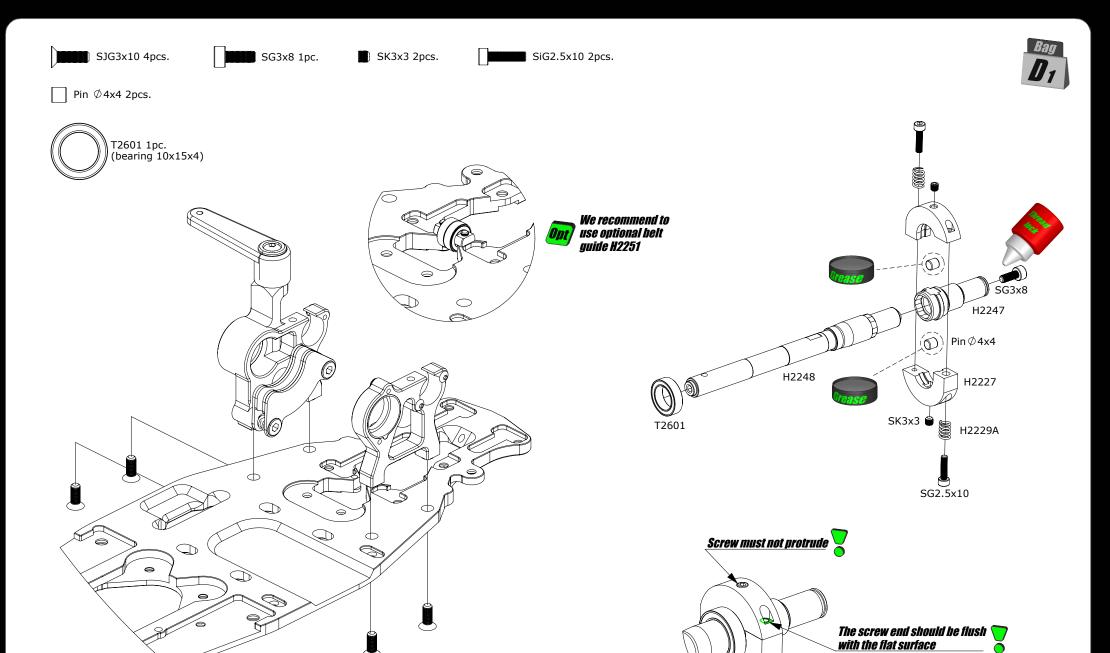






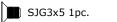






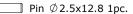


SJG3x10

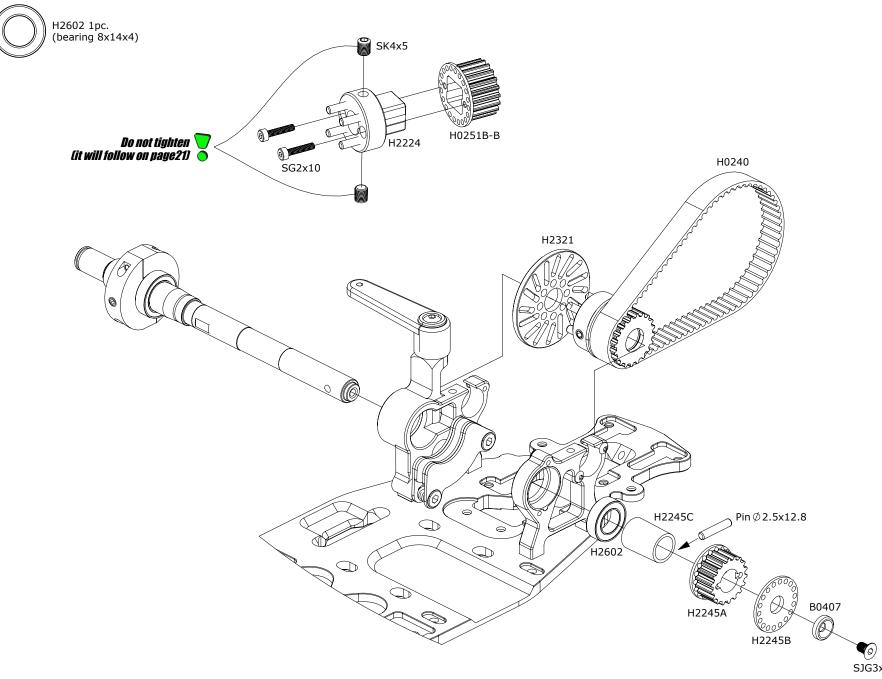


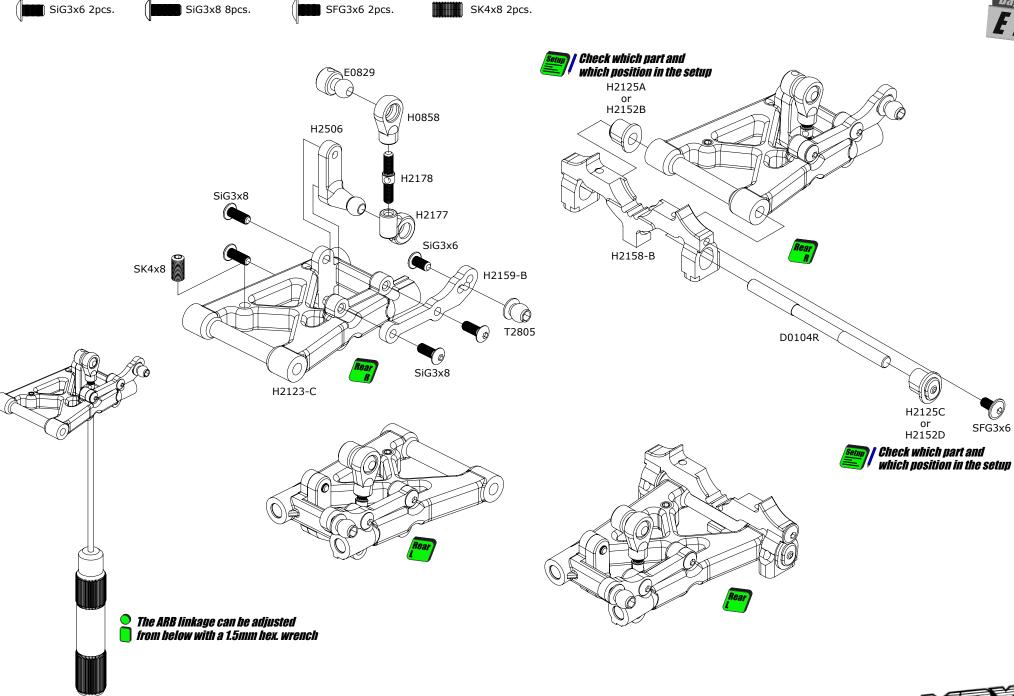
SiG2x10 2pcs.



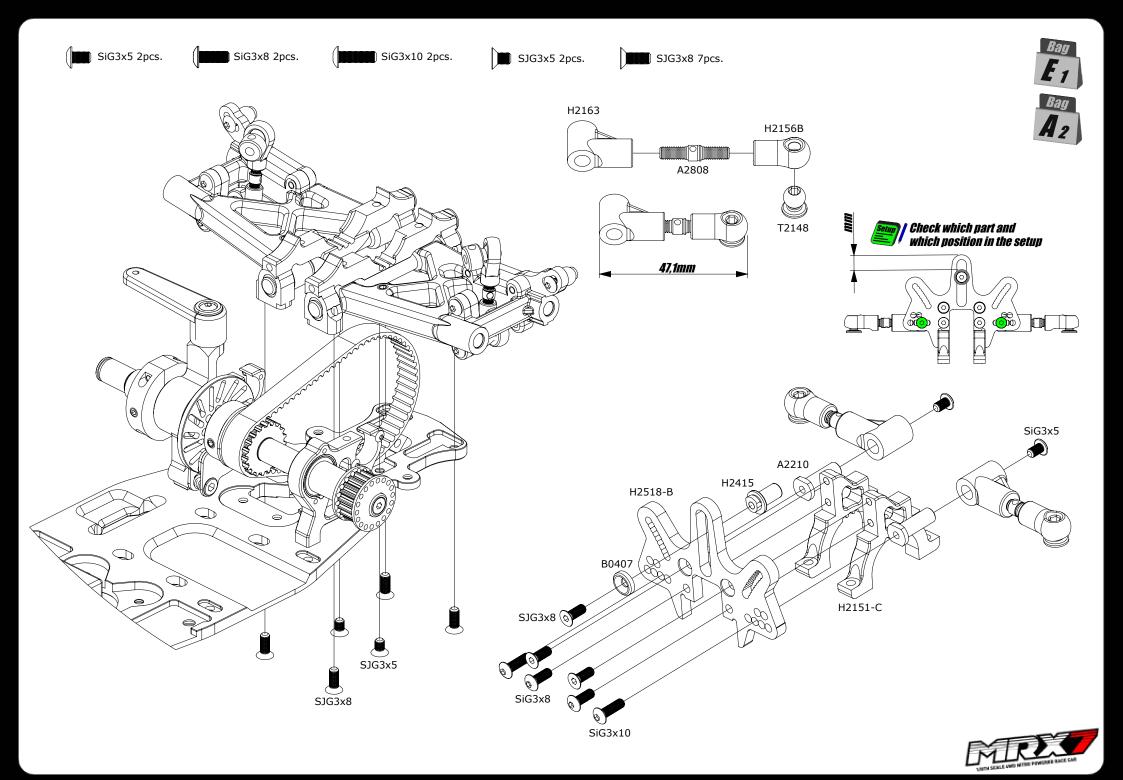










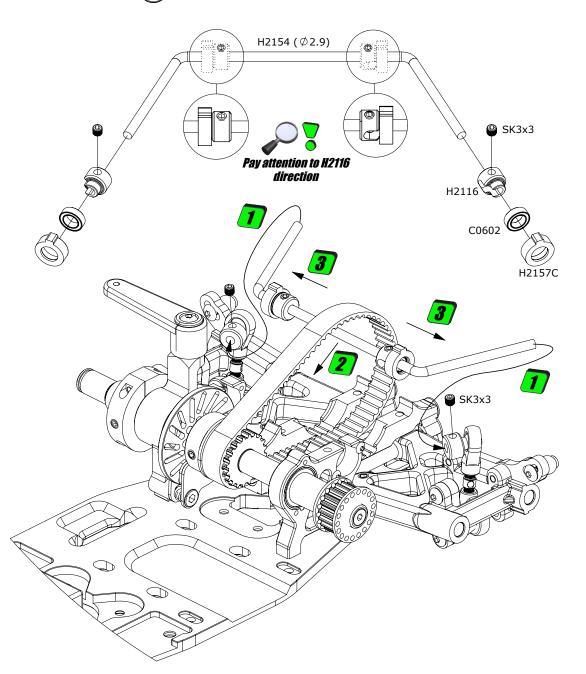


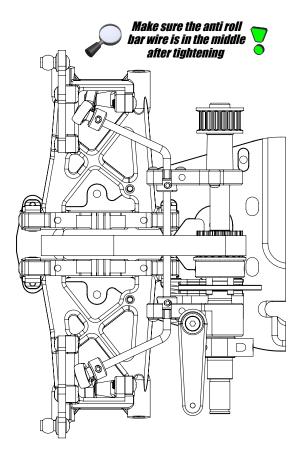
SK3x3 4pcs.

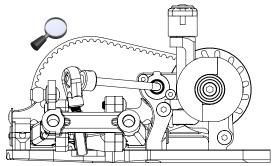


C0602 2pcs. (bearing 5x8x2.5)

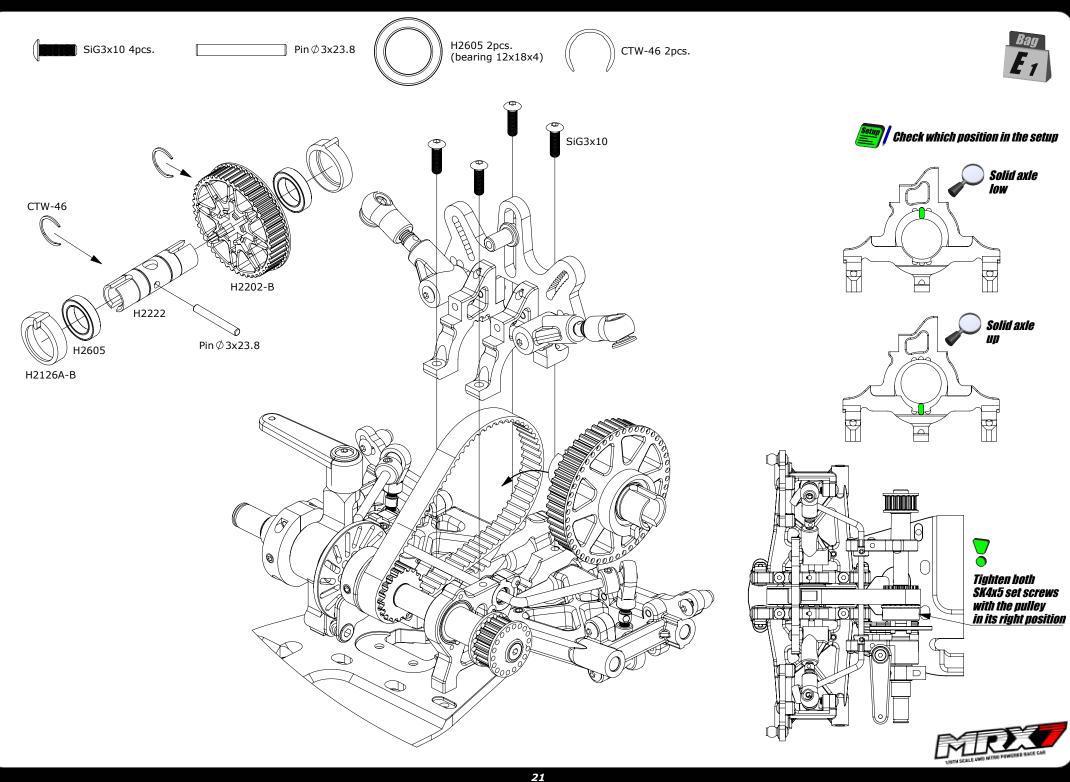


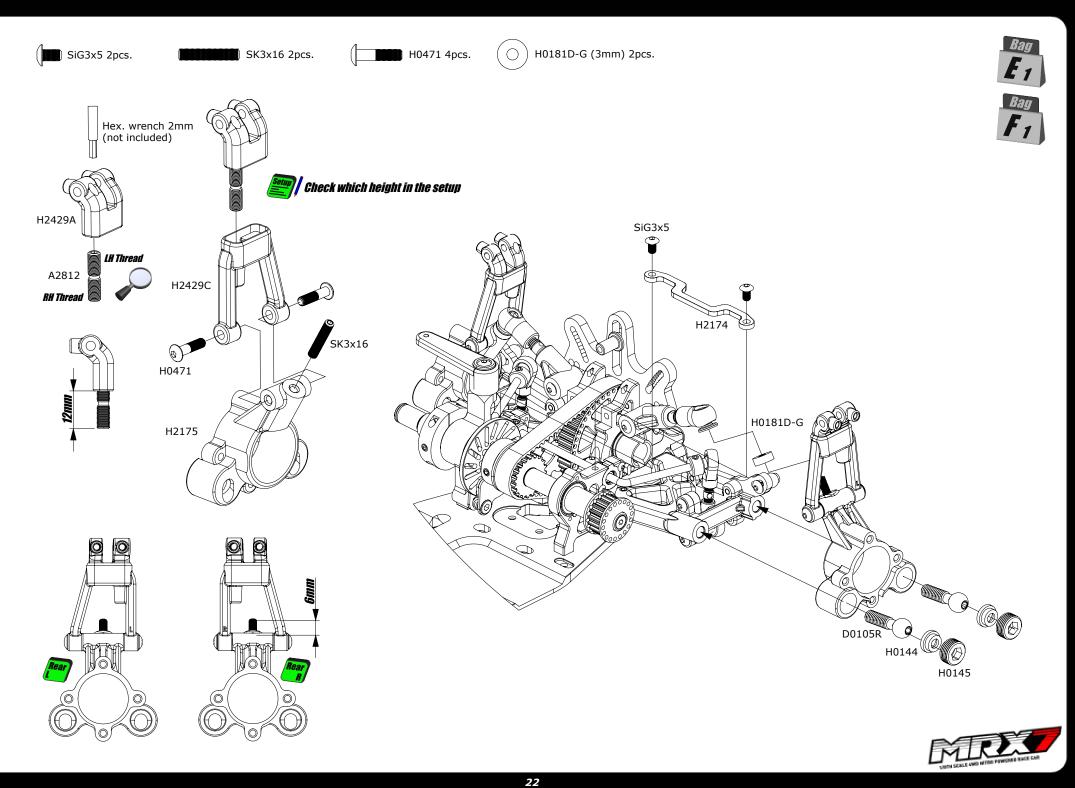
















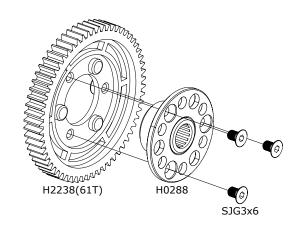


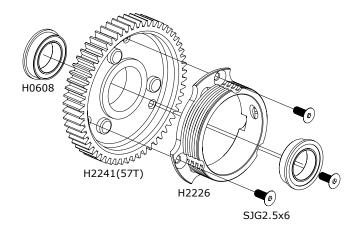


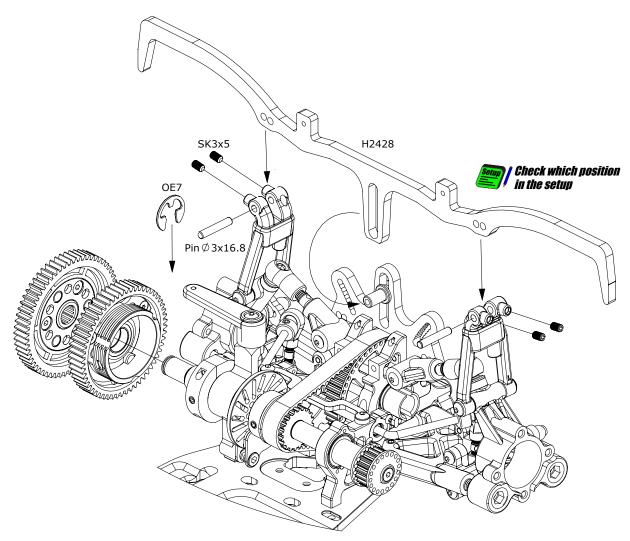






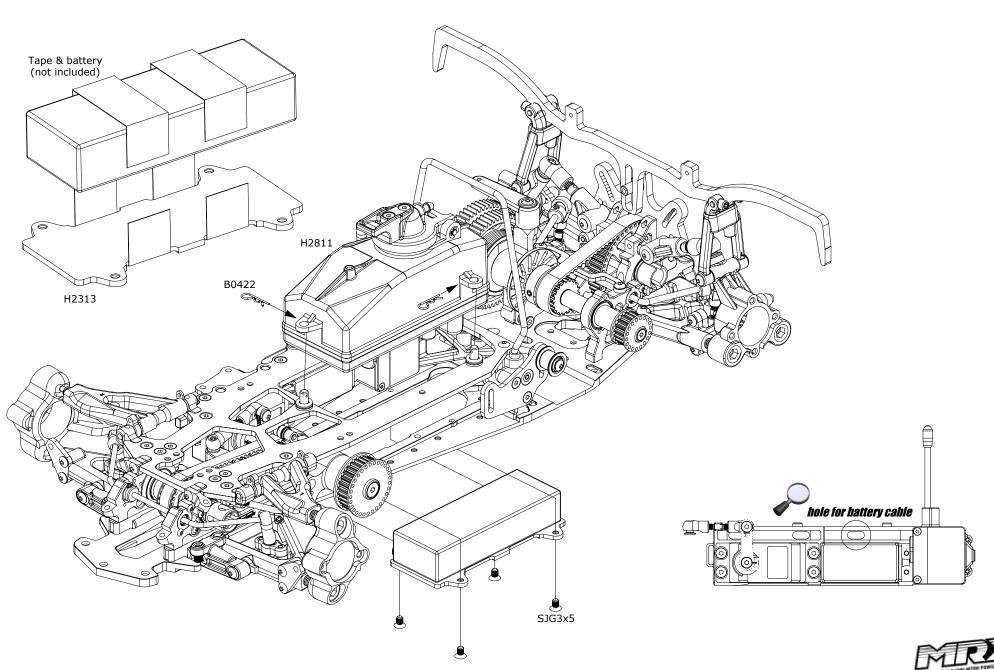


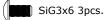


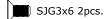










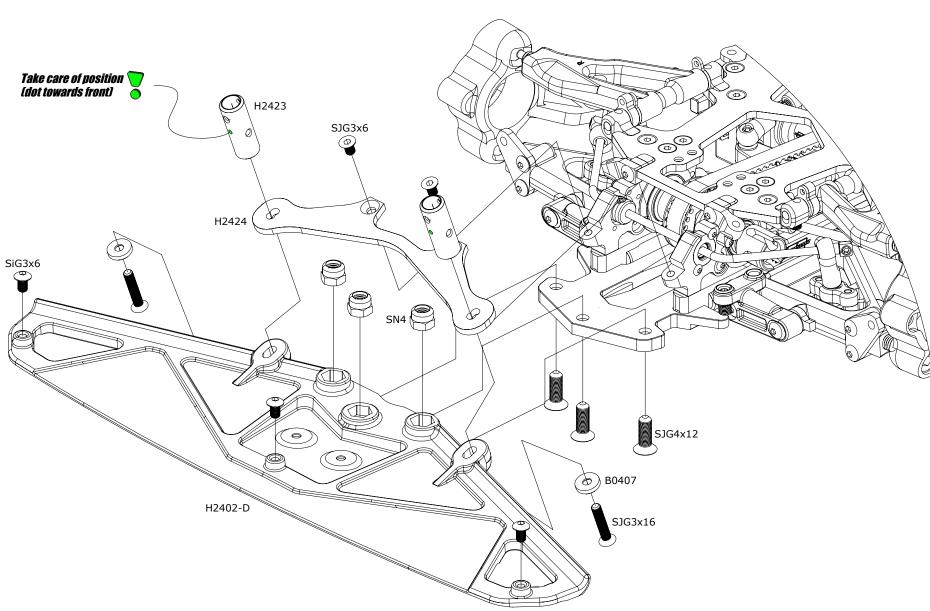


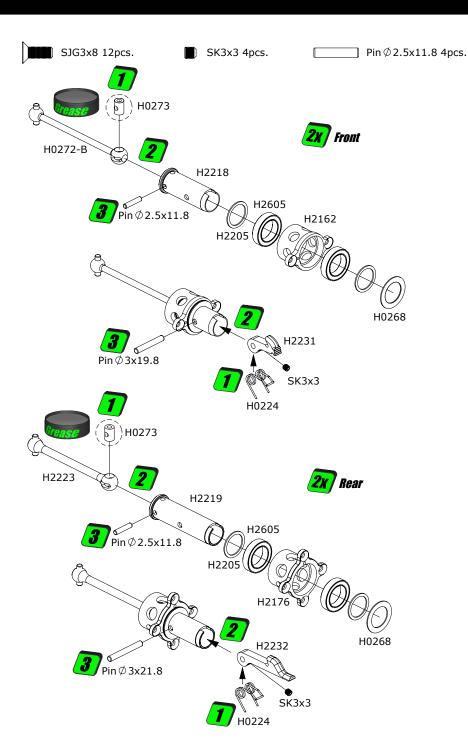


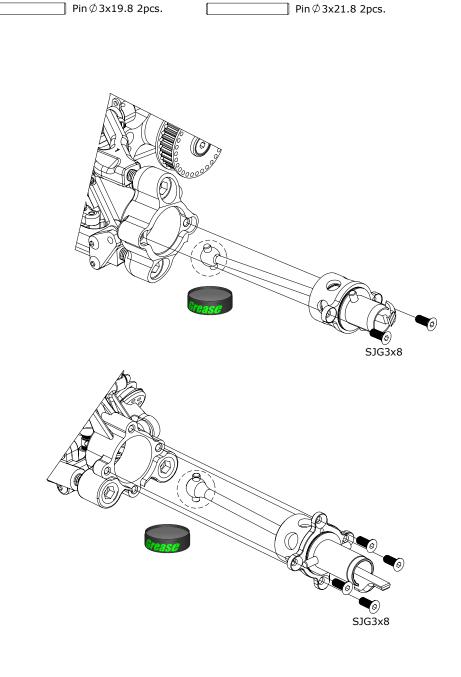




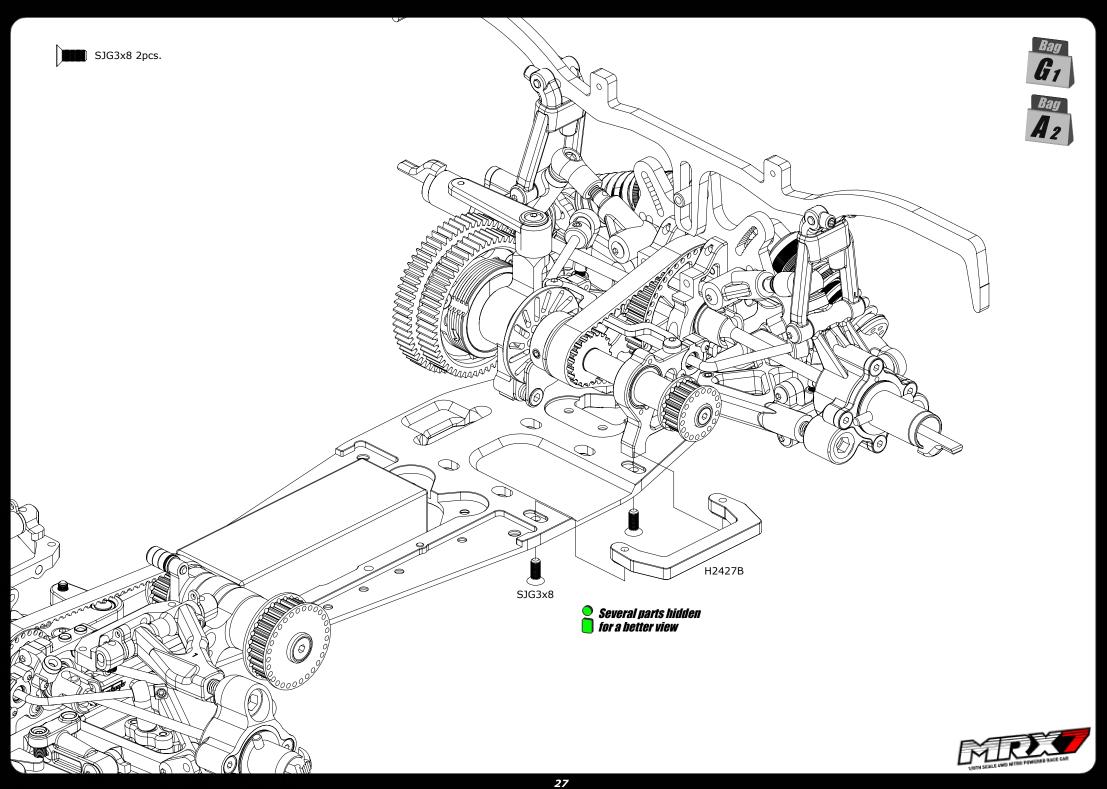


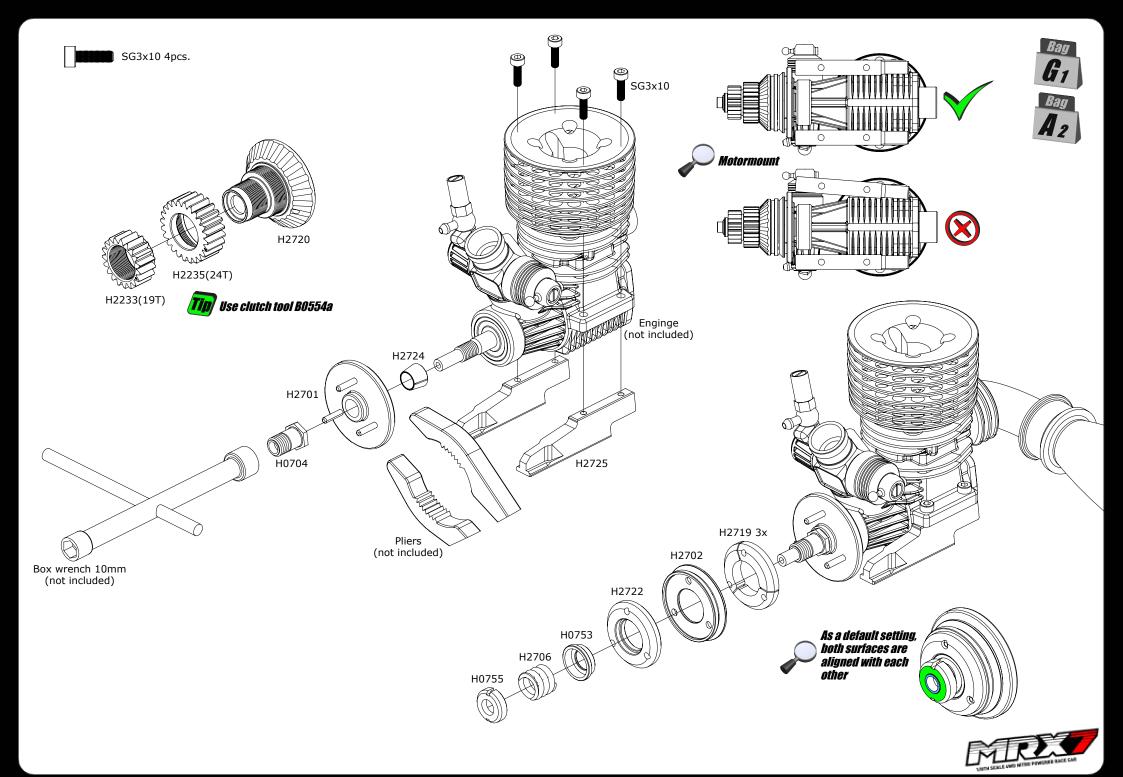






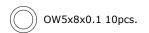


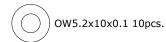






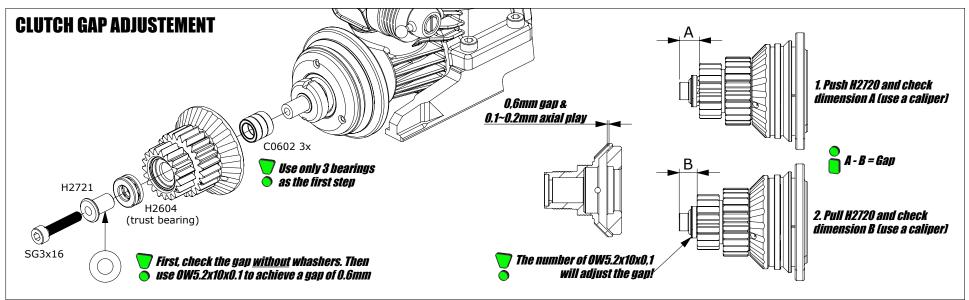


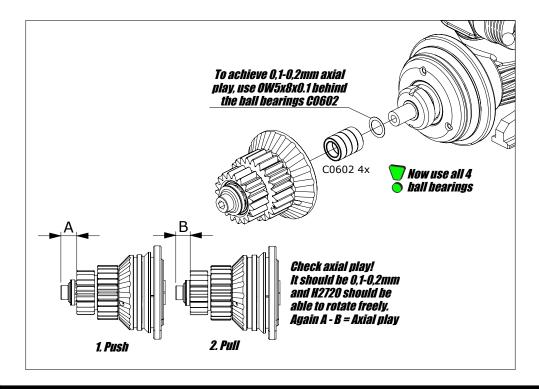


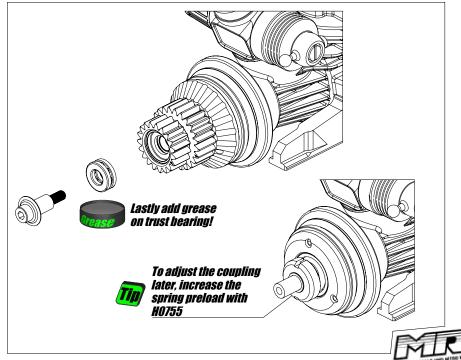








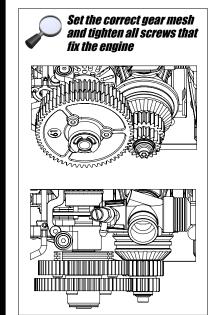


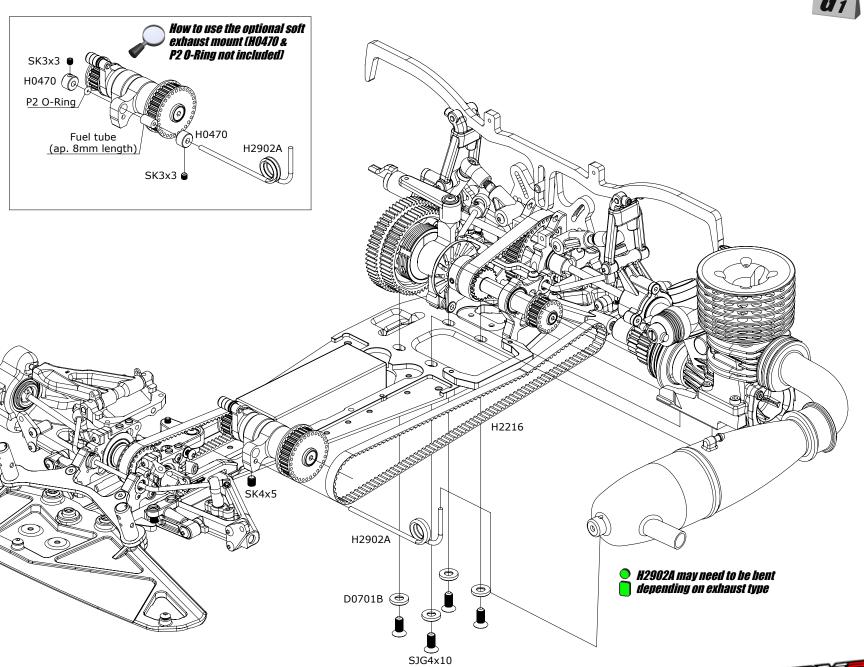






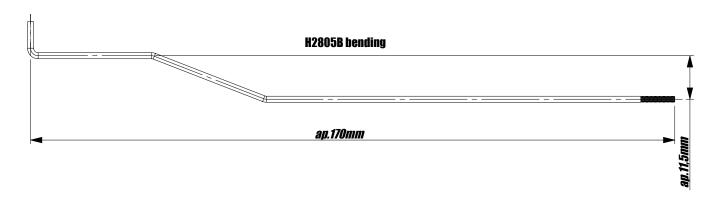


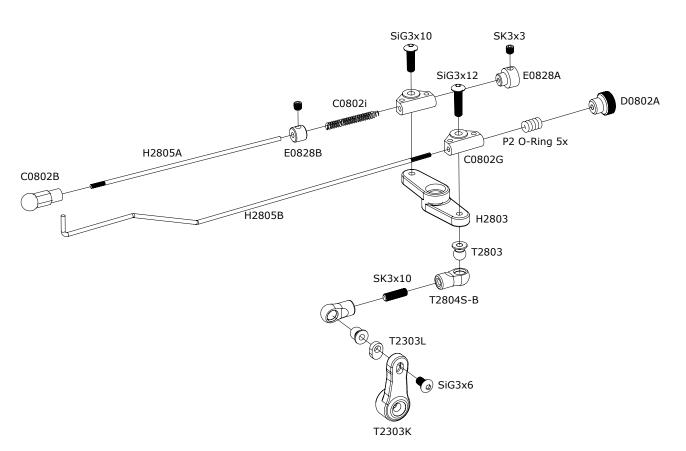




SiG3x6 1pc. SiG3x10 1pc. SiG3x10 1pc. SK3x3 2pcs. SK3x3 2pcs.

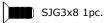


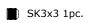






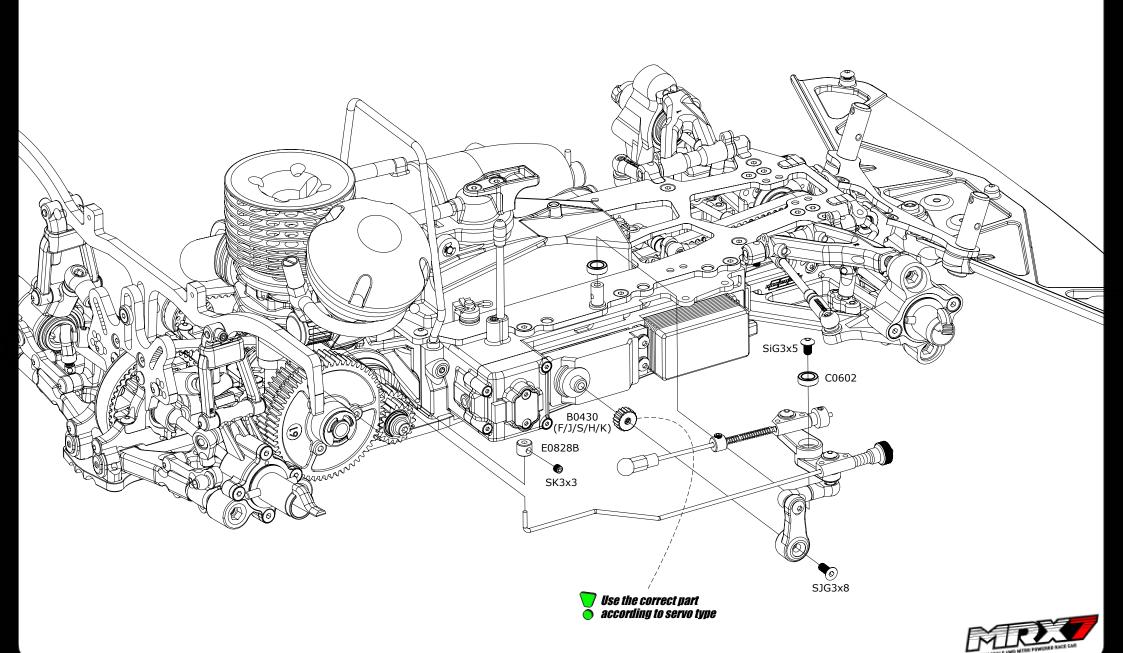




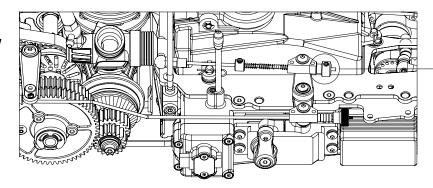


C0602 2pcs. (bearing 5x8x2.5)



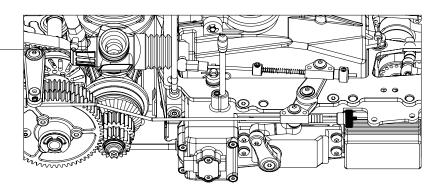


- 1. Turn on transmitter and receiver and set the engine control servo trim to the neutral position
- 2. Adjust the idling adjusting screw on the carburetor to be open approx. 1mm
- 3. Adjust the position of E0828B.
- 4. Adjust the movement of each part to moove smoothly.



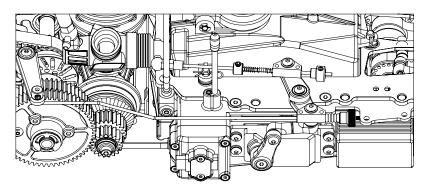






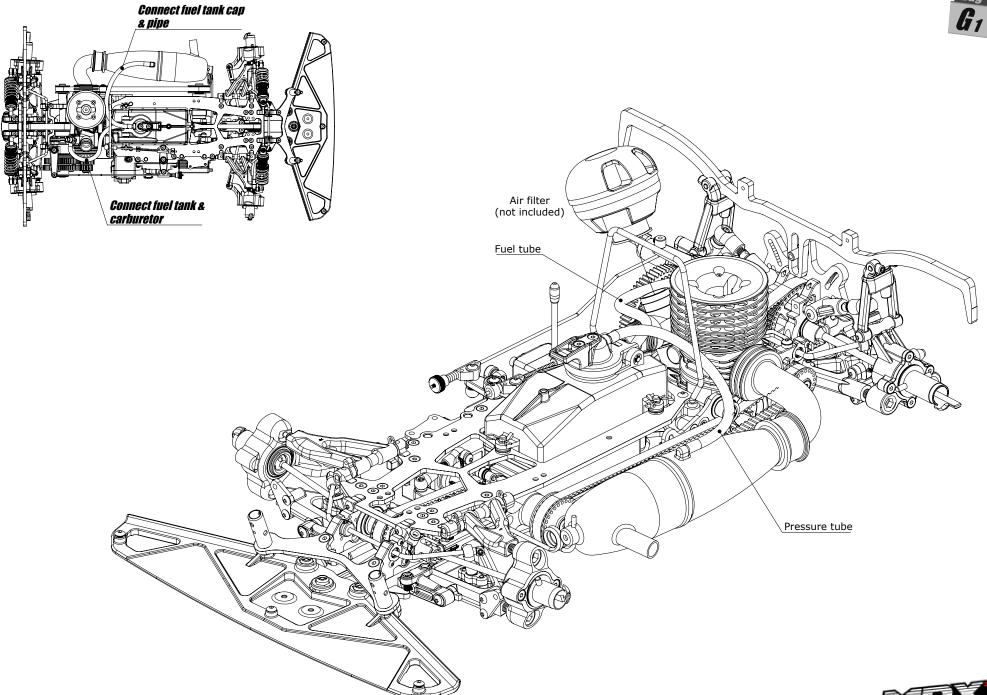
- 1. Adjust the throttle high end point to be fully open.
- 2. The servo should not have excessive strain at full throttle.

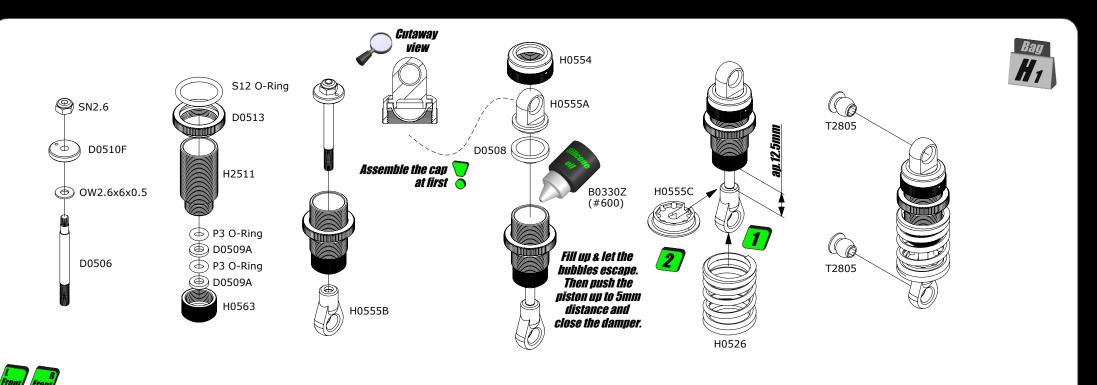
- 1. Adjust D0802A so the brake works smoothly.
- 2. Adjust the high end point of the transmitter to apply the right amount of brake strength.

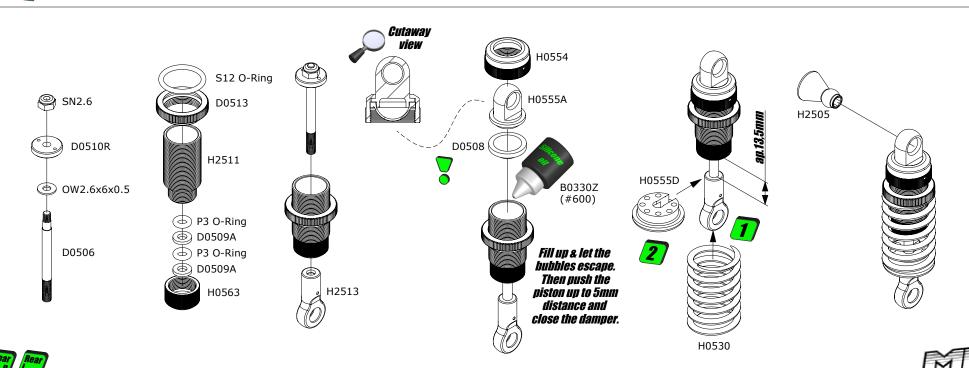


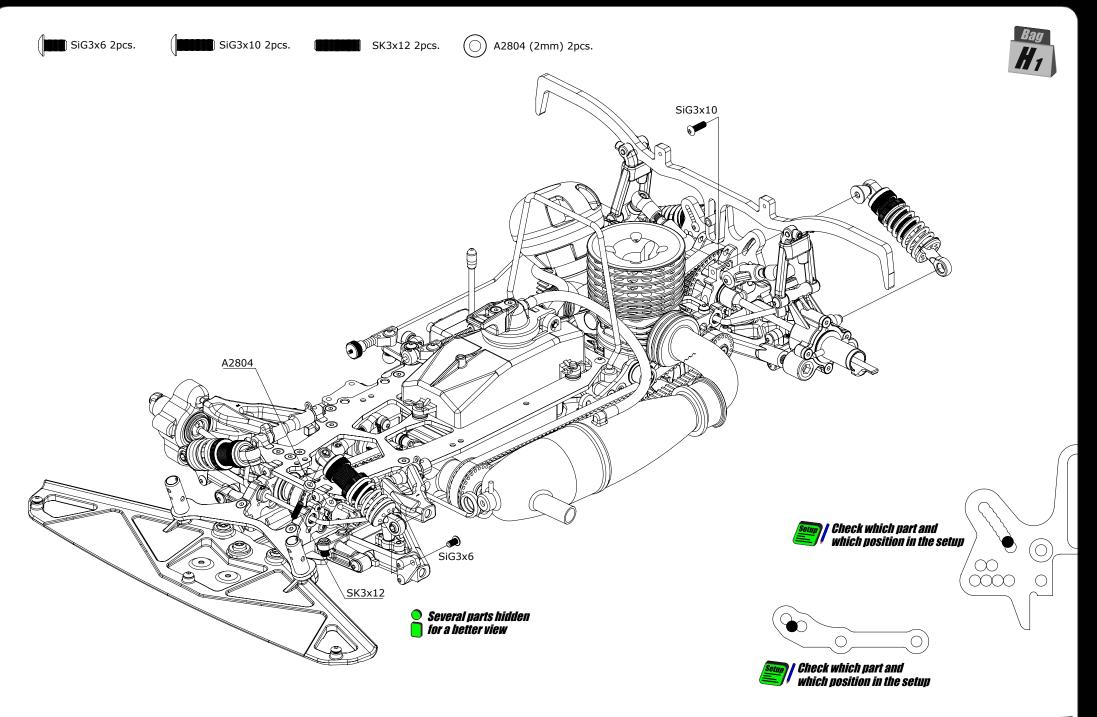






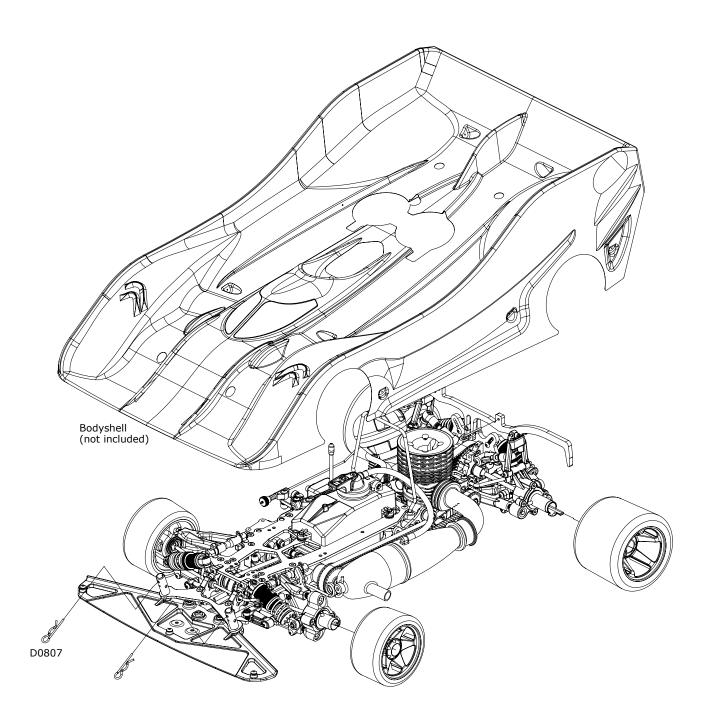




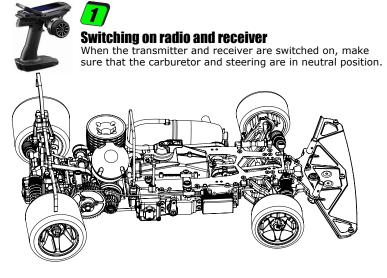




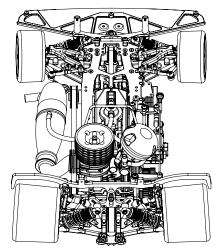








- Check if the throttle moves smoothly. If not, check batteries of transmitter and receiver.



- Check if the steering moves smoothly. If not, check batteries of transmitter and receiver.



Starting Engine

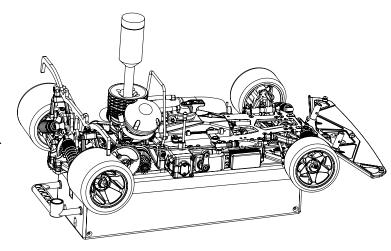
Fasten tank cap tightly, after filling fuel. Apply glow enginge fuel prepared only models. Heat the plug with booster cord or pocked booster.

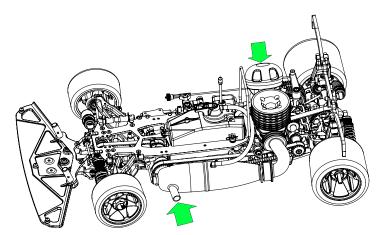
Align the starter's ring with the flywheel of the car, and try to push

the car into the starter and start the engine.

Increase throttle trim 2 or 3 graduations for easy starting. When successfully started, increase RPM until idling stabilize. Then return trim to normal.

Note: Put the car on car stand so all four wheels are off the ground and rotate freely for the idling, but do not rev the enginge to full throttle.







Stopping Engine

Placing idling position, use a rag to cover the exhaust tip. Or, bumping the flywheel for instance with the shoes to stop the engine forcibly.

Note: Use gloves to protect your hands from high temprerature exhaust pipe.



CAUTION

HANDLING OF THE ENGINE RC CAR:

Engine RC car runs at a very fast, and uses expensive flammable glow fuel for the model. Exhaust sound becomes noise sometimes fo the other people. Operate the model in the atrea with safety, no troublesome, no personal injury, no property damage, and no accident.

After assembling

Be sure to tight screws securely and install all parts.

Make sure whether the movable parts work smoothly.

Turn on the switch of the receiver and transmitters, and make srue whether the steering servo and engine control servo work normally.

Do not operate in:

Crowded place

Near children

Near residential districts, schools and hospitals

Near roads and railroads

Indoors and limitate space

Nighttime and early morning

Place where running of radio control model car is prohibited

When the battery of receiver adn transmitter is weak

When the model behave strangely

Start to operate

Be sure to observe the following process. Non-observance will make RC car star suddenly, and may lead the damage and unexpected accident.

- 1. Make sure the batteries are charged fully.
- 2. Put the RC car on the starter box and float the tires from the ground.
- 3. Turn on the switch of the transmitter.
- 4. Turn on the switch of the receiver.
- 5. Make sure the steering servo and engine control servo work normally and and adjust them correctly.
- 6. Put the fuel in the tank, and close the cap securely.
- 7. Heat the glow plug
- 8. Push the back of RC car on the starter box and start the engine.

 (If the engine is new, follow the instruction manual and be sure to smooth the new engine. If not, engine will break suddenly by the high rotation.)

Finish to operate

- 1. Stop the engine. (Use up the fuel in the tank or force to stop the flywheel that is seen from the bottom of the chassis by the sole of shoe etc.)
- Turn off the switch of receiver.

Turn off the switch of transmitter.

Maintainance after running

Do care after running to keep performancem, and to notice the damage and wear.

- 3. Do not leave the fuel in the tank
- 4. Exhaust oil insides the muffler should go outside.
- Clean up the sand and mud.
- 6. Put the oil on the movable parts such as shaft carrier, suspension etc. and the bearing.
- 7. Put the rustproof oil (maintainance oil) inside of the engine.

CAUTION FUEL

The glow fuel for radio control models that is used for the engine RC car is made of the combination of te methyl alcohol, the oil or composition oil, nitro methane etc. The flammability of these elements is to be very high, have volatility, be fully careful of handling and the storage.

- Only use the glow fuel for radio control models the model shop sells. Other fuels such as the gasoline and kerosene may break engine, and there is fear of explosion and accident such as fire. Never use it.
- The flammability of the fuel is very high. Don't do the fuel lubrication and the preparation for operationg near the fire.
- Never do handling of the lubrication in the inside and mixing of the fuel in the the place where ventilation is bad.
- Fuel is harmful. It is dagerous to drink and to inhale the volatile element of the fuel and exhaust. Never do.
- Avoid fire, direct sunlight, high temperature, near battery and store fuel in the cool
 dry and dark places out of children's reach.
- Don't leave fuel in the fuel pump and the fuel tank. Ther is danger that fuel leaks out.
- Wipe out the spilt fuel with the useless cloth completely.
- Remove a gap first and threow the empty fuel can away. Don't throw an empty can
 into the fire. There is danger of explosion.

CAUTION ENGINE

Confirm the position of needle and idling before running. Be sure to smooth new engine.

- Never remodel egnine and muffler.
- There is danger that it gets burned because arround the engine and the muggler genereat high temperature for a while after use.
- Do not touch the rotating parts at high speed such as clutch bell and flywheel.
 There is danger that it gets hurt.
- If the fuel pipe is chocked or deteriorates, the engine may not start and there is danger the fuel leaks out.
- Be sure to put the air filter. Use the filter that is soaked air filter oil.
- Engine may not start if the air filter is dirty, choked with the sand and dust.

FIRST AID

- If you drink fuel by accident, drink large quantities of water and emit it and right after that, see a doctor.
- If fuel is within eyes, wash it away with the water well, and right after that, see a doctor.
- If fuel is stuck to the skin, wash it with soap and water.



TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
ENGINE DOES NOT START	Fuel tank is empty or carburettor is not primed. Bad glow plug or dead plug booster battery. Fuel lines, air cleaner, or muffler is clogged. Engine is flooded due to over-priming. Carburettor is not adjusted properly. Servo linkage is not adjusted properly	Fill fuel tank with fuel and prime throttle. Replace glow plug and recharge battery. Clean or replace clogged part(s). Restart after removing glow plug and discharging fuel. Also check if the glow plug is not dead. Set idle and main/slow needle adjusting screw to standard starting position. Move servo to neutral then re-adjust.
ENGINE START BUT THEN STALLS	Fuel tank is empty. Fuel lines, air cleaner, or muffler is clogged. Carburettor is not adjusted properly. Engine is overheated.	Fill fuel tank with fuel. Clean or replace clogged part(s). Re-adjust idle and main/slow needle adjusting screw. Allow engine to thoroughly cool down and open main needle adjusting screw 30° turns.
BAD REACTION AND RESPONSE FROM ENGINE	Carburettor is not adjsuted properly. Low fuel pressure from muffler.	Re-adjust main/slow needle adjusting screw. Properly install pressure line from muffler to fuel tank.
CAR IS HARD TO CONTROL	Weak transmitter and/or receiver batteries. Servo linkage is not adjusted properly.	Recharge or replace batteries. Move servo to neutral then re-adjust.

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