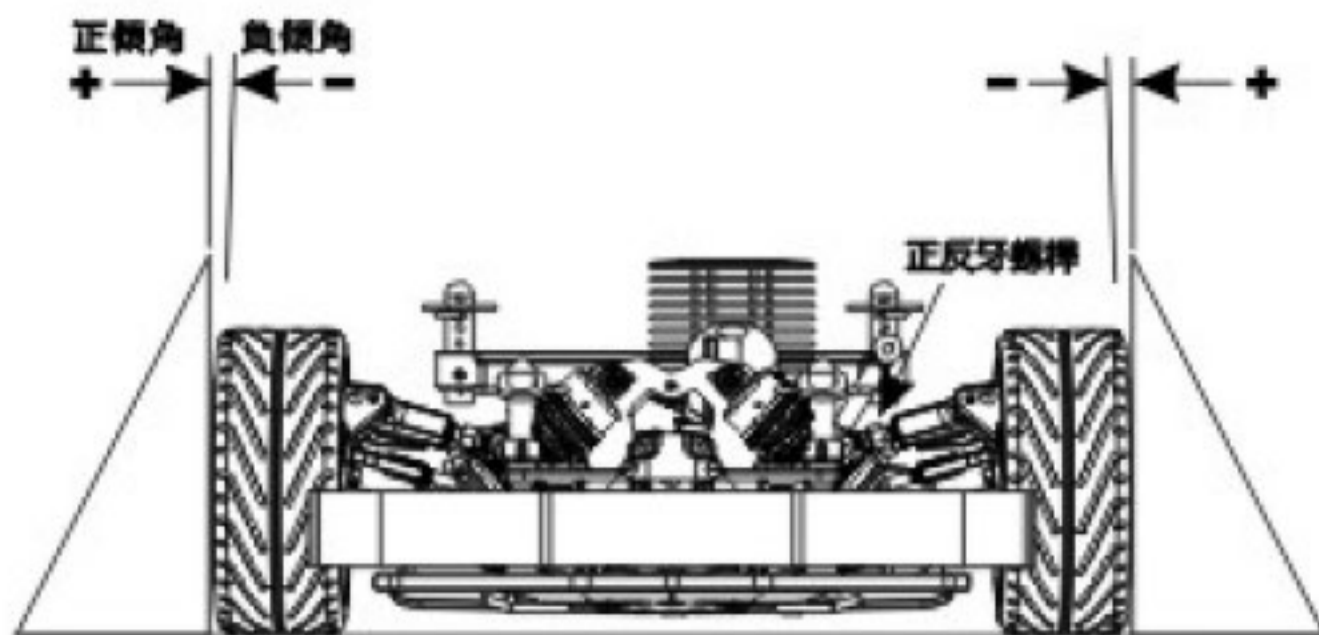
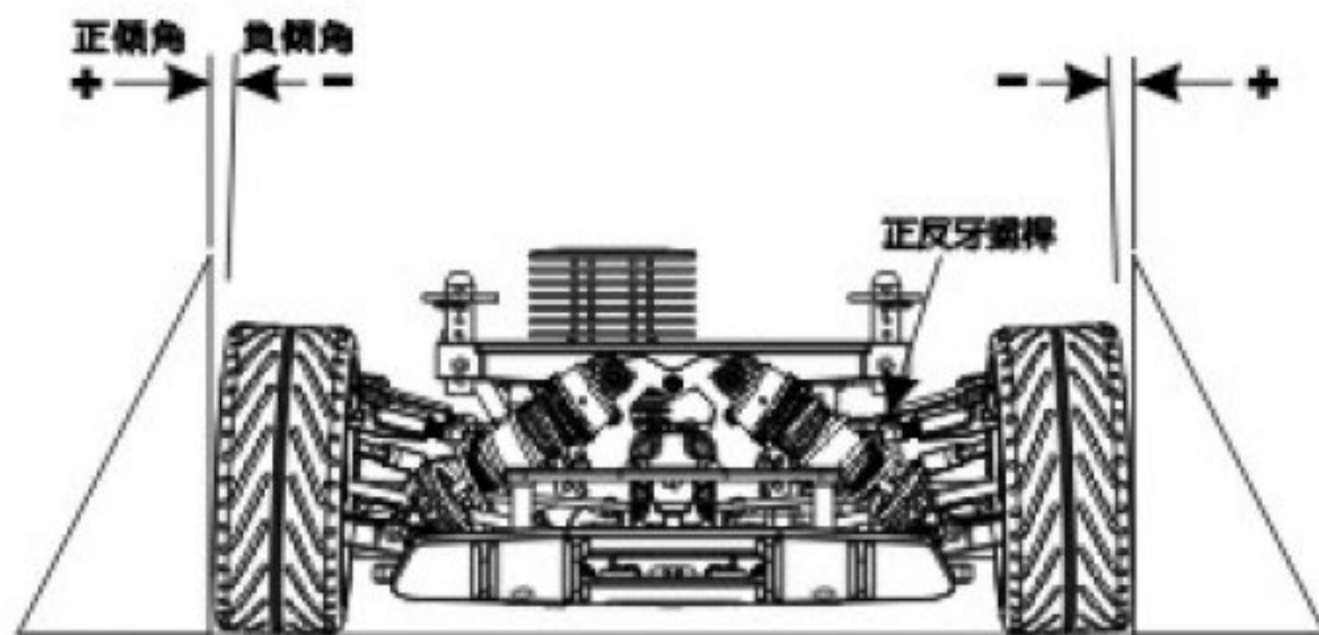


輪胎角度設定

前胎傾角調整



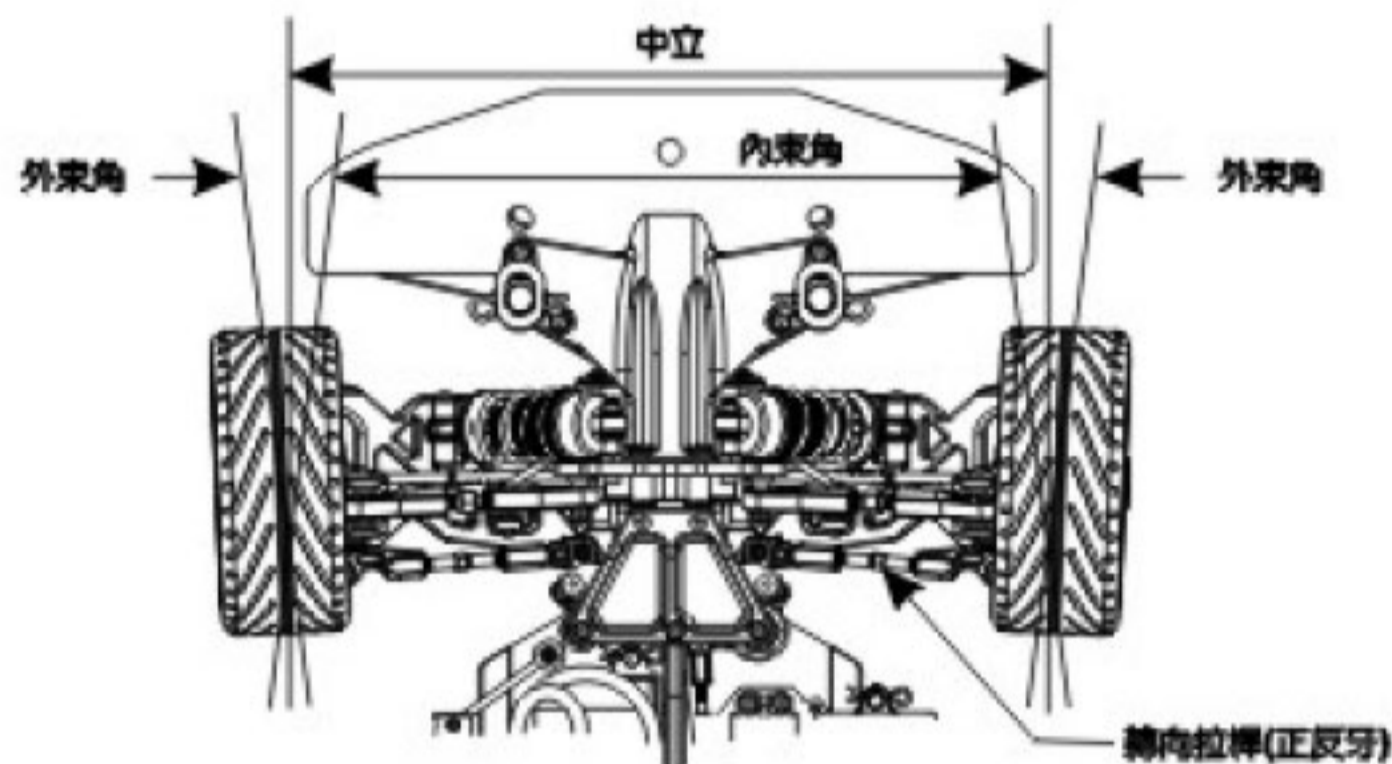
後胎傾角調整



- 將車體放置在平整地面上並保持在正確離地高度。調整上提桿長度使輪胎與地面垂直(0度)。
- 調整上提桿“正反牙螺桿”長度可改變正負傾角設定。加長上提桿—傾角變為—正傾角。縮短上提桿—傾角變為—負傾角。

(我們建議前輪為0度，後輪為負1.5度。)

前輪內束角/外束角調整

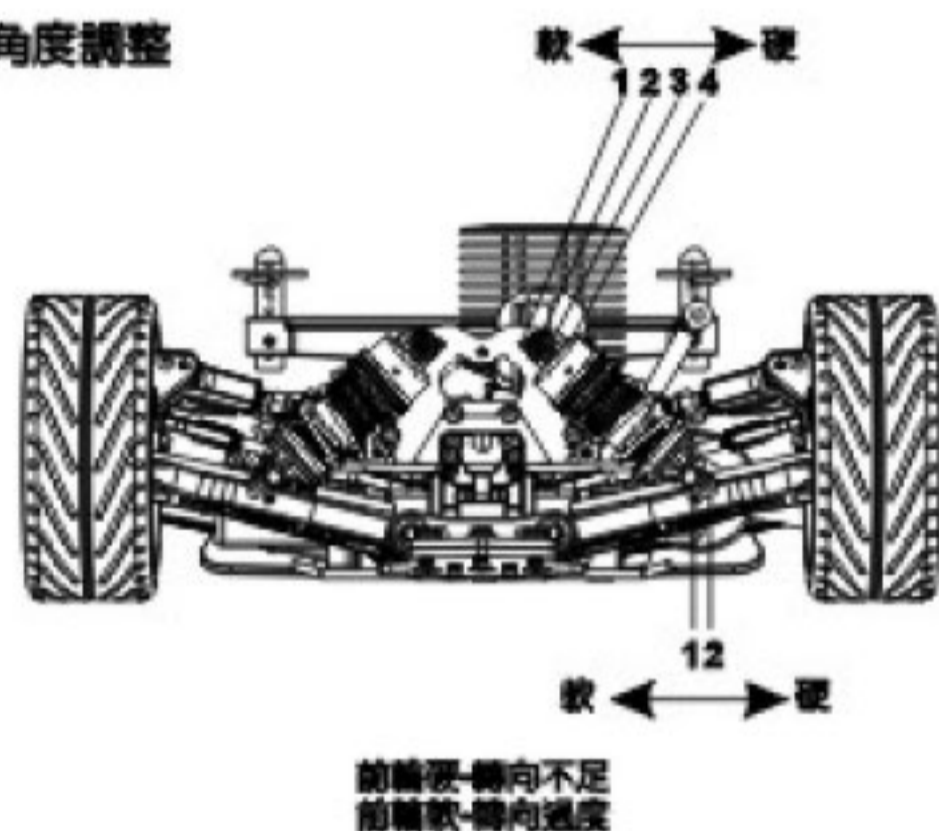


改變前輪轉向拉桿之長度可以改變前輪“內束角”與“外束角”。

1. 將前輪轉向拉桿加長，前輪會變成內束角。此時轉向反應會變慢，並且有轉向過度情形產生。
2. 將前輪轉向拉桿縮短，前輪會變成外束角。此時轉向反應會變快，並且有轉向不足情形產生。

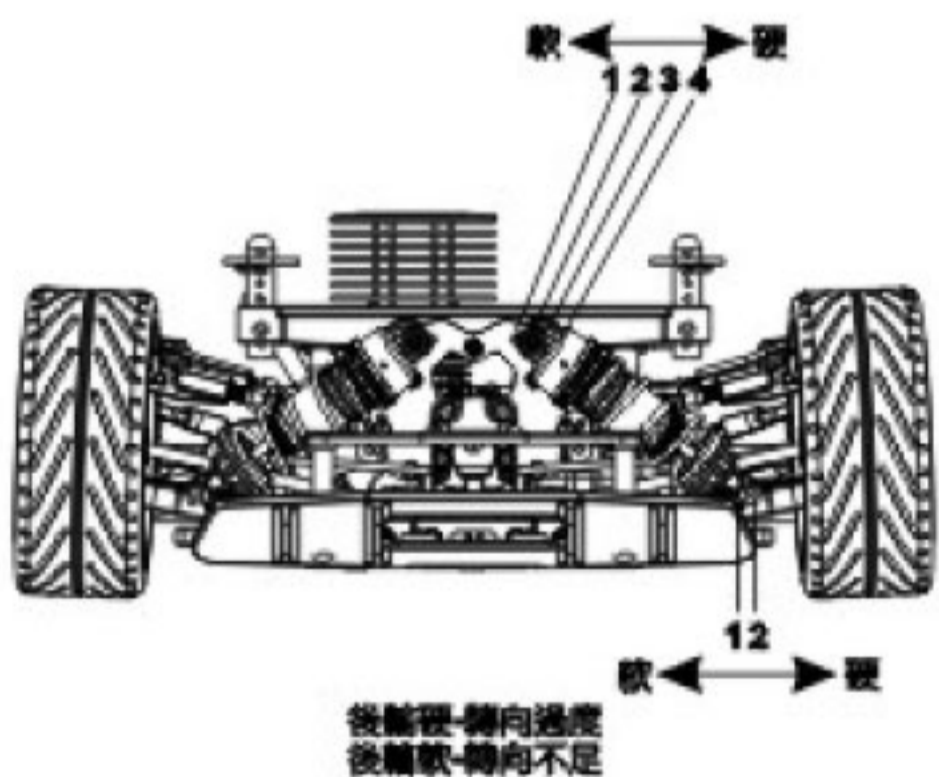
- 油壓避震器會因安裝在不同位置，而會使懸吊系統產生不同硬軟變化。
- 油壓避震器裝配位置愈往車體中心，懸吊反應愈軟，前輪懸吊系統較硬不同，會產生不同轉向特性。
- 油壓避震器按裝孔位，請依場地不同而調整在不同位置。

前油壓避震器角度調整



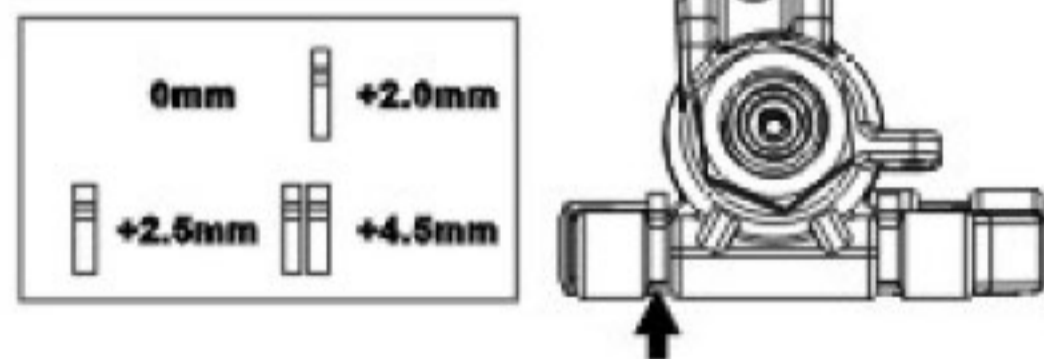
前輪硬—轉向不足
前輪軟—轉向過度

後油壓避震器角度調整



後輪硬—轉向過度
後輪軟—轉向不足

後輪軸距



- 通過使用在後輪座的插扣來調整軸距。
- 重要事項：後輪座左右邊的插扣必需相同。

短行程

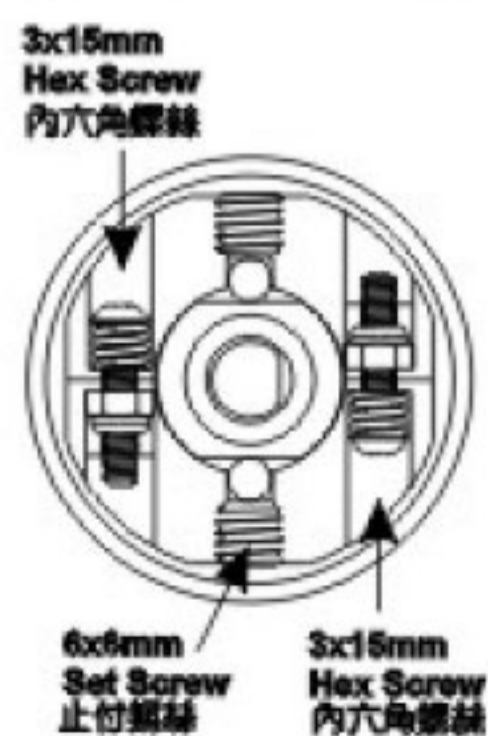
- 在後輪座的前方減少插扣。
- 在加速時增加重心向後移動。
- 油門關閉時增加迴轉力。
- 油門關閉時轉向響應變角較靈敏。
- 油門關閉時出彎有顯著的轉向不足。
- 增加轉向反應。
- 增加懸吊系統在路面上較好操控性。

長行程

- 在後輪座的前方增加插扣。
- 減少加速時重心向後移動。
- 增加行車穩定性。
- 最初轉向反應靈敏(油門關閉時)。
- 改變油門關閉時的粘滯性。
- 在不平坦起伏及凹凸路面有較好操控性。
- 在較寬及高速彎角路面有較好的穩定性。

調整二段變速離合器片開啟時間

- 先調整引擎再調整離合器開啟時間。
- 請依據引擎說明書調整引擎。



- *使用2mm內六角板手調整離合器片。
- *使用2.5mm內六角板手調整6x6mm止付螺絲可以調整離合器片與鉗座的距離。
- *調整3x15mm螺絲可以調整離合器片開啟時間。



調整離合器片開啟時間

1. 當引擎調整適當之後才可進行調整二段變速的凸輪開啟時間。(使用2mm內六角板手來調整，且並必需兩邊同時調整相同。)

注意：順時針—鎖緊3x15mm內六角螺絲—凸輪開啟時間變慢
反時針—鬆開3x15mm內六角螺絲—凸輪開啟時間變快

2. 調整時必須使車子在正常行駛中進行，並根據場地狀況進行調整工作。如此反覆調整直至滿意為止。

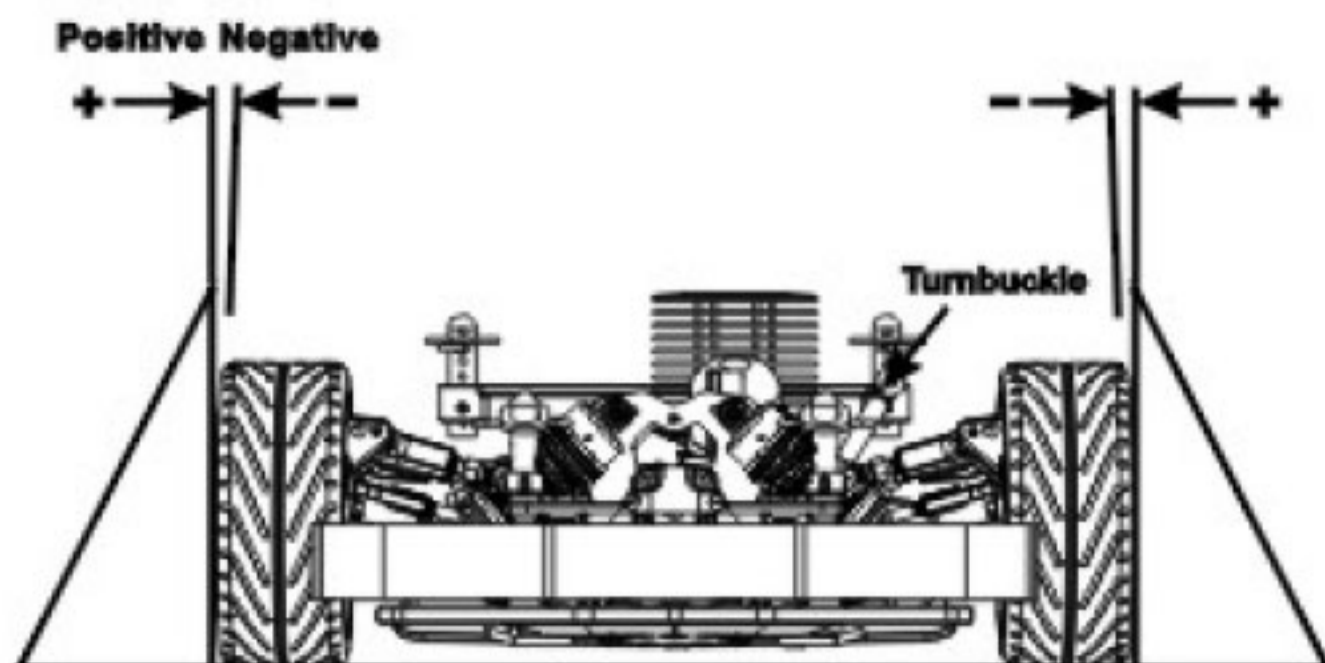
二段變速齒輪比

- 二段變速可以使車輛擁有更多的扭力和更高的速度。
- 我們提供不同的齒輪組和大齒輪組的組合，來配合不同的場地。

大直齒輪組	齒輪齒組 (3齒不同)			扭力
	15T-19T	16T-20T	17T-21T	
49T/45T	←————→			↑ 速度
48T/44T				

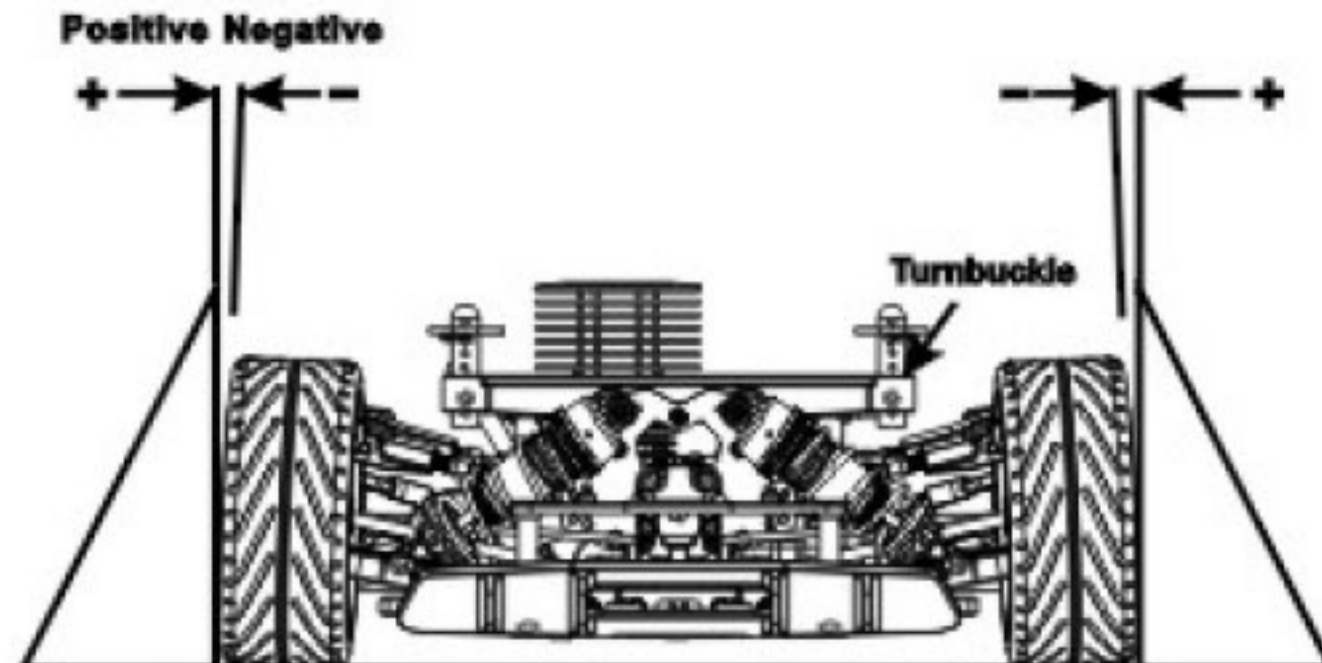
SETTING GUIDE

FRONT CAMBER ANGLE SETTING



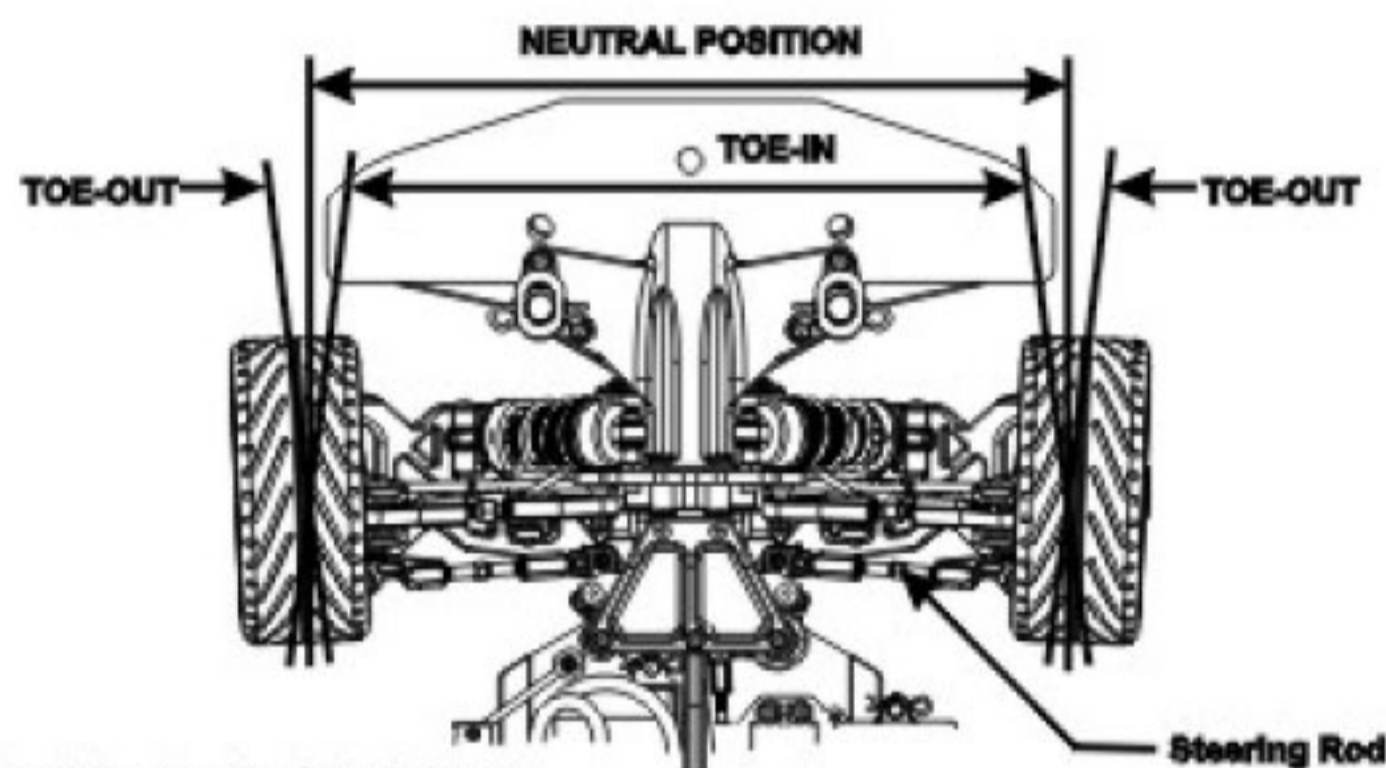
- Place the model car on flat surface. Raise the chassis to its maximum clearance before the wheels leave the ground.
- Adjust the length of the front and rear upper arms so that the wheels are vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise or anti-clockwise. (We suggest to use zero degree for the front and 1.5 degree negative for the rear.)

REAR CAMBER ANGLE SETTING



- Place the model car on flat surface. Raise the chassis to its maximum clearance before the wheels leave the ground.
- Adjust the length of the front and rear upper arms so that the wheels are vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise or anti-clockwise. (We suggest to use zero degree for the front and 1.5 degree negative for the rear.)

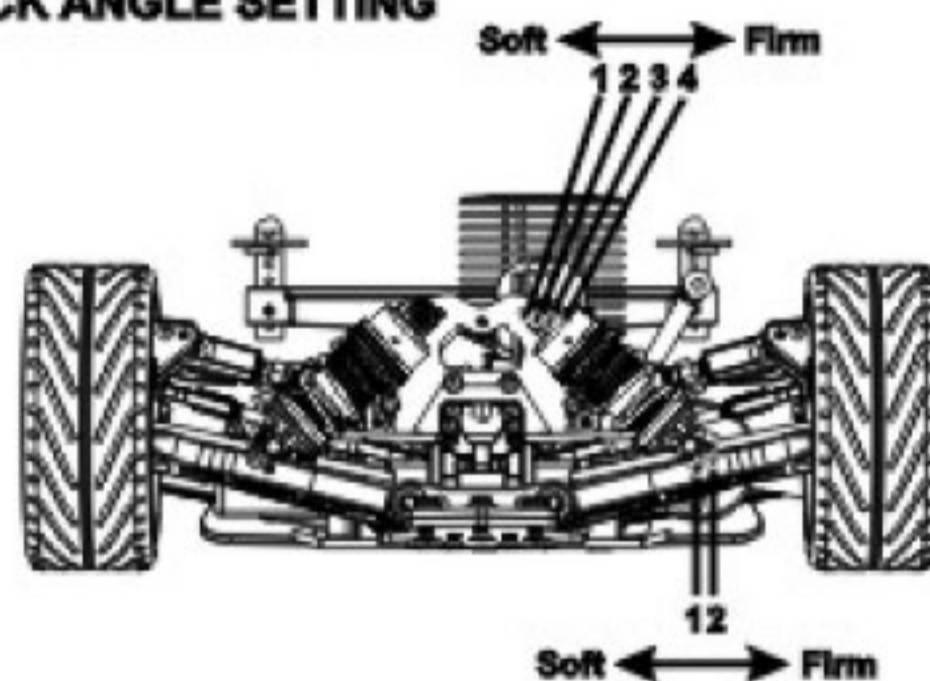
FRONT TOE-IN AND TOE-OUT SETTING



- Adjust the length of front steering rod to change the toe angle.
- Making the tie rod longer will make front tires toed in.
- Response will be slower and may over steer.
- Making the tie rod shorter will make front tires toed out.
- Response will be quicker and may under steer.

- Different shock positions will result in firmer or softer response of the suspension system.
- Install the shock in an inward angle will cause softer rebound. Softer or firmer suspension system will lead to different steering response.
- Adjust the shock angle positions according to track conditions.

FRONT SHOCK ANGLE SETTING



Firm front suspension, less steering.
Soft front suspension, more steering.

REAR WHEELBASE

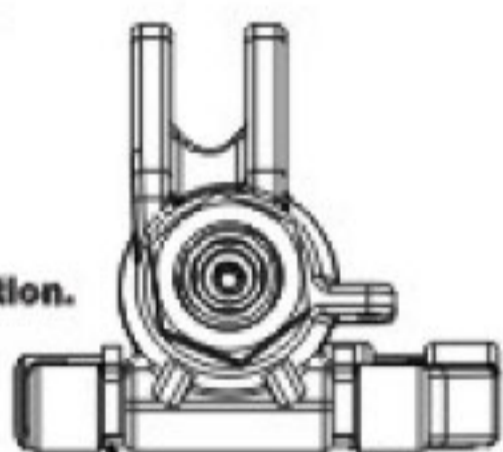
Adjust the wheelbase by using the spacers on either side of the rear wheel hub (at the bottom pin). **IMPORTANT!** Make equal adjustments on both left and right sides of the car.

Shorter wheelbase

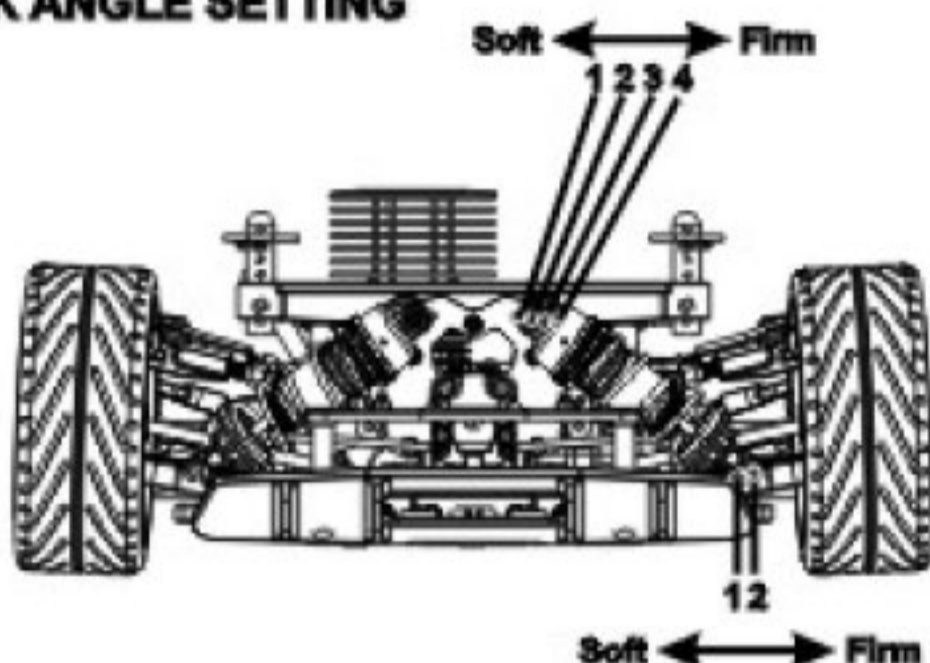
- less spacers in front of the rear wheel hub.
- increases rearward weight transfer during acceleration.
- increases on-power traction.
- quicker off-power steering into corners.
- slight tendency to push on-power at corner exit.
- increases steering response.
- better on tighter, more technical tracks.

Longer wheelbase

- more spacers in front of the rear wheel hub.
- decreases off-power steering into sharp corners.
- increases stability.
- slower initial steering reaction (off-power).
- improves on-power steering at corner exit.
- better handling over bumps and ruts.
- better on more open tracks with high-speed corners.



REAR SHOCK ANGLE SETTING



Firm rear suspension, over steering.
Soft rear suspension, under steering.

SHIFT UP TIMING ADJUSTMENT

1. Once the engine adjustments have been completed, proceed to the adjustment of the clutch shoe shift timing. (Using a 2mm allen wrench to adjust the clutch shoe on either side.)

Note: Clockwise—Shift timing will become slower.
Anticlockwise—Shift timing will become quicker.

2. Adjust the clutch shift timing for your track conditions. As you tighten (Clockwise) the 3x15mm screw, the shift timing will become slower. As you loosen (Anti-clockwise) the 3x15mm screw, the shift timing will become quicker.
3. Set the shift timing to the track conditions while the car is running.

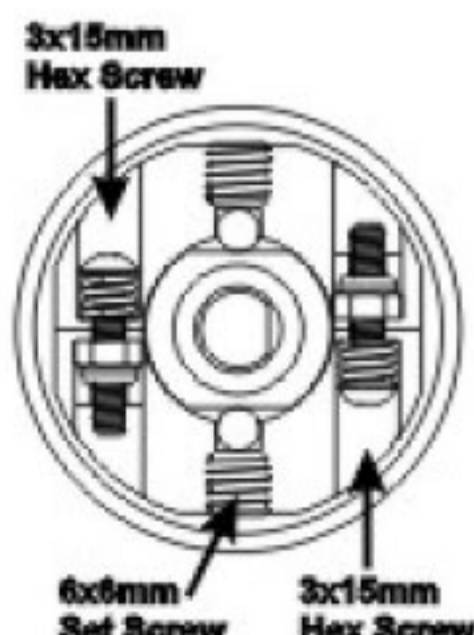
2 SPEED GEAR RATION COMBINATIONS

2 speed transmission allows the car to have more punch out of the corners and higher top speed. We offer many different pinion and spur gear combinations which can be used for different tracks.

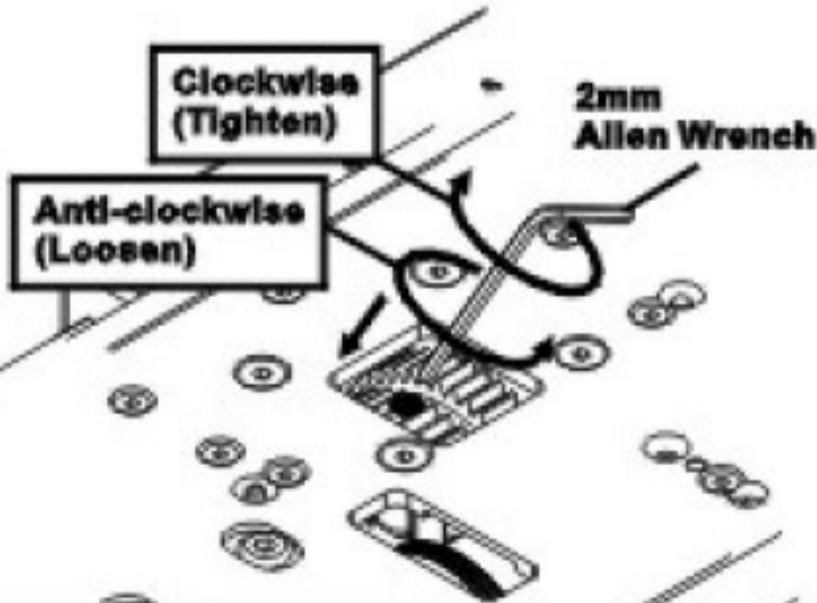
Spur Gear	Clutch Gear (3 tooth different)			Torque
	15T-19T	16T-20T	17T-21T	
49T/45T	←————→			Speed
48T/44T				

ADJUSTING THE SHIFT POINT

- Adjust the engine before adjusting the clutch shift timing.
- Adjust the engine as per engine instruction manual.



- * Use a 2mm allen wrench to set the clutch shoe.
- * Use a 2.5mm allen wrench to adjust the 6x6mm set screw which is used to adjust the distance between the clutch shoe and clutch bell.
- * Adjust the 3x15mm hex screw will be change the shift timing of the clutch shoe.



X3-Sabre-GT-油車版零件表

編號	品名	數量	編號	品名	數量
A-34B	防傾桿球型	2	X3-53	後下擺臂塑膠模 (L.R)	1set
A-41A	6mm 球形	6	X3-54	後輪座塑膠模 (L.R)	1set
A-47A	5x10x4mm 培林	2	X3-58	接收機盒塑膠模	1set
A-53A	油門彈簧	2	X3-59	伺服片塑膠模	1set
A-67A	避震軸心(後)	2	X3-61	8x14 培林	4
A-80A	煞車調整鈕	1	X3-62	13x20 培林	4
A-87B	4mm十字軸心	2	X3-70	擺臂固定座塑膠模	1set
E-37	6mm球型座	6	X3-73	鋁合金3mm擺臂固定座(前)	1
E-43	5x11x4mm 培林	8	X3-76	後輪傳動軸(98mm)	2
G-06	剎車夾片	4	X3-77	差速接杯	2
G-13	小傘接杯	2	X3-78	後輪軸	2
G-19	4x46 正反牙(黑)	4	X3-81	引擎座	1set
G-25	7mm球型	6	X3-82	前後防撞板模	1
G-26	5x35mm正反牙(黑)	2	X3-83	三角板/中差上蓋模	1
J-20	13x16x0.2mm 墊片(鋼)	4	X3-84	車殼柱模	1
J-40	剎車夾片彈簧	4	X3-85	6061-T6 4mm 油壓架	1
J-45	排氣管固定鋁座	1	X3-86	6061-T6 3mm 底盤	1
JS-38A	二段中軸	1	X3-88	前防傾桿2.8mm	1
JS-38B	8mm 剎車接杯	2	X3-89	後防傾桿2.8mm	1
J-03A	P6 O環	2	X3-90	中央傳動軸97mm+106mm	1set
L-22	煞車桿	1	X3S-25	蝸型大小傘齒 42T+14T	1 set
L-26	3x36 正反牙	2	#139	1/8彎管彈簧	2
DM-18	海綿防撞板-V2	1	#150-BK	開關防塵套(黑)	1
M-36P	排氣管/9mm出嘴(拋光)	1	#151	1/8彎管矽膠接嘴	2
X1-24	前下/後下擺臂軸(4mm x73mm)	2	#155B	車殼插梢	4
X1-26	8mm六角輪座(硬陽)	2	#158	鋁輪檔	6
X1-26A	六角螺帽(硬陽)	2	#159-BK	油管(黑)	1
X1-27	轉向襯套	4	#169P	彎管(拋光)	1
X1-31	一體式避震器上支座	1 set	#174B	三片離合器片	3
X1-49	排氣管固定桿/L型	1	#174C	三片離合器彈簧(1.0mm)	3
X1S-10	35mm 三片式飛輪	1	#180D	中心螺帽(SG軸)	1
XT-14A	剎車伺服桿1.8x68mm	3	#234Y	5x8x2.5 培林	1
XT-16	玻璃纖維剎車碟	2	#264B	7mm錐形套	1
XT-22	避震器塑膠件	1 set	#267D	8x16 培林	8
XT-30B	油箱柱模	1 set	#267E	2.5 x 16.8 滾針	4
X3-03	差速傘齒(粉末)10Tx2 20Tx2	1set	#293A	單向大齒座 (一段用)	1
X3-04A	前CVD傳動軸, 107.5mm	2	#293D	反牙六角鋁螺帽	1
X3-06	CVD 結合軸 / 2.5 x12.8 滾針	4	#293F	8 x 12 凸緣培林	2
X3-07	CVD輪軸	2	#294B	48T 大齒 (一段用)	1
X3-13	3.5mm x 45.8mm 後輪座軸心	2	#294F	44T 大齒 (二段用)	1
X3-14	轉向座大王銷	4	#294L	碗公齒 (1st) 16T	1
X3-15	擺臂襯套	4	#294Q	碗公齒 (2nd) 20T	1
X3-16	緩衝組支柱	2	#294T	二段離合器罩	1
X3-17	緩衝組鋁管	1	#304	GTP輪胎內海綿(2片式)	4set
X3-18	緩衝組彈簧	1	#309A	培林大齒座 (二段用)	1
X3-19	緩衝組調整O環 /12 x 1.7 O環	1set	#309B	正牙六角鋁螺帽	1
X3-20	緩衝組連接板 B	1	#309C	離合器片	2
X3-21	緩衝組調簧調整螺絲	2	#309D	彈簧	2
X3-22	緩衝組襯套	2	#309E	4mm 鋼珠	2
X3-25	煞車凸軸	2	#309F	離合器片固定座	1
X3-28	煞車伺服桿彈簧	2	#309G	6x6mm 內六角止付	2
X3-31	7x8.5mm球型座	4	#321-BK	矽膠管(黑)	1
X3-32	7x12mm球型座	4	#334	1/10 空氣濾清器整組,	2
X3-33	4mm 內六角球型座	2	#386	彎管墊圈	1
X3-34	2.5x11.8 滾針	10	#387A	16mm外牙筒身(後)	2
X3-35	2.5 x12.8 滾針	10	#387C	16mm避震器上蓋(硬陽)	4
X3-36	煞車伺服桿 1.8 x 95mm	1	#387D	16mm避震器調整環(硬陽)	4
X3-38	差速器防漏墊片 31x20x0.3	3	#387F	19x1.5mm O環	4
X3-39	4x8mm 引擎座螺絲	4	#387G	彈簧止座塑膠模	1set
X3-40	4x10 圓頭止付	4	#387P	16mm避震器活塞模	1set
X3-42	X3S 油箱	1	#387S	16mm避震器修理包	1set
X3-43	差速殼	1	#388	16mm避震器用氣室 桔色	4
X3-44	差速箱塑膠模	1set	#412	接收機開關	1
X3-45	前下擺臂塑膠模 (L.R)	1set	#416	16mm GT避震器彈簧組, 2.3mm	1set
X3-47	轉向座塑膠模 (L.R)	1set	#418A	前避震軸心, 45mm	2
X3-48	C型座塑膠模 (L.R)	1set	#418B	16mm外牙筒身(前)	2
X3-49	車殼柱/中支柱塑膠模	1set	#419-BK	12爪框(黑)	4
X3-50	拉桿球頭塑膠模	1set	#420	GT車殼(透明)	1
X3-51	緩衝組/三角板塑膠模	1set	BT-110	1/8像真胎	4

X3-SABRE-GT Nitro Parts List

Part No.	Description	Q'TY	Part No.	Description	Q'TY
A-34B	Stabilizer Ball End	2	X3-53	Rear Lower Arms L,R	1
A-41A	6mm Ball	6	X3-54	Rear Hub L.R	1
A-47A	Bearing 5X10X4	2	X3-58	Receiver/Battery Box	1
A-53A	Throttle Spring	2	X3-59	Throttle/Steering Level Set	1
A-67A	Shock Shaft (rear)	2	X3-61	8x14 Ball Bearing	4
A-80A	2mm Adjust Nut	1	X3-62	13x20 Ball Bearing	4
A-87B	4mm Cross Pin	2	X3-70	Arms Holder, Plastic	1set
E-37	6mm Ball & Socket	6	X3-73	6061 Suspension Bracket FF	1
E-43	5x11x4mm Ball Bearing	8	X3-76	Rear Drive Shaft(98mm)	2
G-06	Brake Pad	4	X3-77	Cap Joint for Diff.	2
G-13	Cap Joint	2	X3-78	Rear Drive Shaft	2
G-19	4x46 Turnbuckle	4	X3-81	Engine Mount	2
G-25	7mm Ball	6	X3-82	Front, Rear Bumper	1
G-26	5x35 Turnbuckle	2	X3-83	Front & Center Top Deck	1
J-03A	P-6 O-Ring	2	X3-84	Body Post	1
J-20	Diff Bevel Gear Shim 13x16x0.2mm	4	X3-85	6061-T6 4mm Shock Tower	1
J-40	Brake Pad Springs	8	X3-86	6061-T6 3mm Chassis for Nitro	1
J-45	Muffler Stay Post	1	X3-88	Front Anti-roll Bar 2.8mm	1
JS-38A	2-Speed Shaft	1	X3-89	Rear Anti-roll Bar 2.8mm	1
JS-38B	8mm Cap Joint for Brake	2	X3-90	Center Driver Shaft,97mm/106mm	1 Set
L-22	Brake Lever	1	X3S-25	Spiral Bevel Gear (42T+14T)	1set
L-26	3x36mm Turnbuckle	2	#139	Manifold Spring	2
DM-18	Foam Bumper	1	#150-BK	Switch Cover, black	1
M-36P	Muffler 9.5mm Exhaust, polish	1	#151	Exhaust Connector	2
X1-24	Front, Rear Lower Arm Shaft (4mmx73mm)	2	#155B	Body Clips	1set
X1-26	Alum. Wheel Hub	2	#158	Alum. Stopper	6 pcs
X1-26A	Alum. Wheel Nut	2	#159-BK	Fuel Tube , BK	1
X1-27	Knuckle Arm Bushing	4	#169P	Manifold Set, Polish	1
X1-31	Shock Ball End Post	4	#174B	Clutch Shoe	3
X1-49	Muffler Stay	1	#174C	Clutch Spring	3
X1S-10	35mm 3pin Flywheel	1	#180D	Pilot Shaft	1
XT-14A	Brake Rod, 2x68mm	3	#234Y	Ball Bearing 5x8x2.5	1
XT-16	Brake Disk (Fiber-Glass)	2	#264B	Taper Cone 7mm Brass	1
XT-22	Plastic Shock Parts Set	1	#267D	8x16 Ball Bearing	8
XT-30B	Fuel Tank Post	1 set	#267E	2.5 x 16.8 Pin	4
X3-03	Diff. Gear 10Tx4, 20Tx2	1set	#293A	1st Spur Gear Holder	1
X3-04A	Front CVD Drive Shaft 107.5mm	2	#293D	Alum. Nut (anti-clockwise)	1
X3-06	Drive Shaft Insert / 2.5 x12.8 Pin	4	#293F	8 x 12 Flange Bearing	2
X3-07	CVD Wheel Axle	2	#294B	48T 1st Spur Gear	1
X3-13	3.5 x 45.8 Rear Hub Shaft	2	#294F	44T 2nd Spur Gear	1
X3-14	Steering King Pin	4	#294L	Clutch Gear (1st) 16T	1
X3-15	Front Arm Bushing	4	#294Q	Clutch Gear (2nd) 20T	1
X3-16	Servo Saver Post	2	#294T	Clutch Bell	1
X3-17	Alum. Servo Saver Tube	1	#304	sponge for radial tire(L&S)	4 pcs
X3-18	Servo Saver Spring	1	#309A	2nd Spur Gear Clutch Bell	1
X3-19	Servo Saver Adjuster Oring	1set	#309B	Alum. Nut (clockwise)	1
X3-20	Servo Saver Connecting Plate B	1	#309C	Clutch Shoe	2
X3-21	Servo Saver Screws	2	#309D	Spring	2
X3-22	Servo Saver Bushing	2	#309E	4mm Ball	2
X3-25	Brake Cam	2	#309F	Clutch Shoe Carrier	1
X3-28	Brake Rod Spring	2	#309G	6x6mm Set Screw	2
X3-31	7x8.5mm Ball & Socket	4	#321-BK	Silicone Connect Tube, Black	1
X3-32	7x12mm Ball & Socket	4	#334	1/10 Air Filter with foam	2
X3-33	Hex 4mm Ball & Socket	2	#386	Muffler Gasket	1
X3-34	2.5x11.8 Pins	10	#387A	16mm Rear Shock Body	2pcs
X3-35	2.5 x12.8 Pins	10	#387C	16mm shock Cap	4
X3-36	Brake Link 1.8 x 95mm	1	#387D	16mm Shock Spring Adjuster	4
X3-38	Diff Gasket 31x20x0.3	3	#387F	19 x 1.5mm O-Ring	4
X3-39	4x8mm Engine Mount Screws	4	#387G	Plastic Shock Spring Holder	1set
X3-40	4x10 Round Head Set Screw	4	#387P	16mm Shock Piston	8
X3-42	X3S Fuel Tank	1	#387S	Repair Kit for #387	1set
X3-43	Diff. Case (F&R)	1	#388	16mm Pressure Top (Orange)	4
X3-44	Gear Case	1	#412	Switch	1
X3-45	Front Lower Arms L,R	1	#416	16mm GT Shock Spring Set, 2.3mm	1
X3-47	Steering Knuckle Arm L,R	1	#418A	Shock Shaft, Front, 45mm	2
X3-48	Front C Hub L,R	1	#418B	16mm Front Shock Body	pair
X3-49	Body Post/Center Brace	1	#419-BK	12 Spoke Wheel, Black	4pcs
X3-50	Plastic Rod End	1	#420	X3 GT Body, Clear	1
X3-51	Servo Saver Set/Front Top Deck	1	BT-110	1/8 Radial Tire	pair