



DIMENSION

SCALE : 1/8

HEIGHT : 180mm

FRONT TYRE : Ø85mm x 35mm(width)

REAR TYRE : Ø85mm x 40mm(width)

LENGTH : 520mm

WIDTH : 231mm

WHEELBASE : 280mm

**CAR BATTERY
NOT INCLUDED**

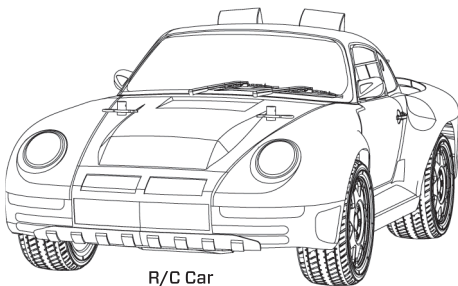
M485 Porsche 959

8th scale 4WD chassis

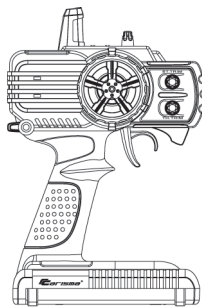
INSTRUCTION MANUAL



WHAT'S IN THE BOX



R/C Car



Transmitter



XT60 Connector



Hex Wrench

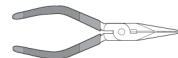


4 x AA Batteries



Wrench

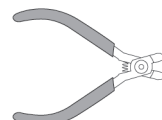
TOOLS RECOMMENED(NOT INCLUDED)



Long Nose Pliers



Screwdrive
(Small)



Nippers



Screwdrive
(Large)



Soft Brush



Hex Driver

SAFETY PRECAUTIONS

! SAFETY PRECAUTIONS

THIS MODEL IS ONLY SUITABLE FOR PEOPLE 14 YEARS OLD AND UP.
THIS RADIO CONTROL MODEL IS NOT A TOY.

Beginner should seek advice from experienced person in order to assemble the model or parts correctly and to make best performance.
* Assemble this model or parts only in place out of children's reach, and take safe precautions before operating this model. User is fully responsible for the model assembly and safe operations.

Introduction

This is a sophisticated hobby product and not a toy. It must be operated with caution and common sense. User also requires some basic mechanical abilities. Fail to operate this product in a safe and responsible manner could result in injury or do damage to the product or other properties. This product is not intended for use by children without direct adult supervision. The product manual contains instructions for safe operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual prior to assembly, setup or use, in order to operate correctly and avoid damage or injury.

Safety, Precautions, and Warnings

As the user of this product, you are solely responsible for operating it in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

This model is controlled by a radio signal that is subject to interference from many sources outside your control. This interference can cause momentary loss of control so it is necessary to always keep a safe distance in all directions around your model, as this will help to avoid collisions or injury.

- Always operate your model in an open area away from cars, traffic, or people.
- Avoid operating your model on the street where injury or damage can occur.
- Never operate the model out into the street or populated areas for any reason.
- Never operate your model with low transmitter batteries.
- Carefully follow the directions and warnings for this product and any optional support equipments (chargers, rechargeable battery packs, etc.) that you use.
- Keep all chemicals, small parts and anything electrical out of the reach of children.
- Moisture causes damage to electronics. Avoid water exposure to all equipments not specifically designed and protected for this purpose.

CE Compliance Information For The European Union

The associated regulatory agencies of the following countries recognize the noted certifications for this product as authorized for sale and use.

UK	DE	DK	BG	SE	CZ	ES	NL	SK	HU	RO	FR	PT
FI	EE	LV	LT	PL	AT	CY	SI	GR	MT	IT	IE	LU

Declaration of Conformity

Products: Carisma CTX-2710 2.4GHz Transmitter, MRX2800 Receiver

Equipment Class: 2

The objects of declaration described above are in conformity with the requirements of the specifications listed below.

Item Name : Carisma CTX-2710 2.4GHz Transmitter and MRX2800 Receiver

ETSI EN 300 328 V1.7.1:2006
ETSI EN 301 489-1 V1.8.1:2008
EN 301 489-17 V2.1.1:2009
EN 50371:2002

Directive 1999/5/EC (R&TTE)
Article 3.1a Health
Article 3.1b EMC
Article 3.2 Radio Spectrum

FCC ID YDTMTM27HP

Statement - This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
And should be operated with minimum distance of 20 cm between the antenna & your body.



Item Name : MSC-540F6WP Electronic Speed Controller
EN 61000-6-3: 2007+A1:2011
EN 61000-6-1: 2007

Item Name : MS-113WP Servo
EN 55014-1:2006+A1:2009
EN 55014-2:1997+A1:2001+A2:2008

Manufactured By : Mun Ah Plastic Electronic Toys Company.,Ltd

ABOUT THE RADIO SYSTEM

Carisma CTX-2710 2.4GHz FHSS Technology System

The following is an overview of the various functions and adjustments found on CTX-2710 radio system for Carisma models. It is important to read and understand about all of these functions and adjustments before driving.

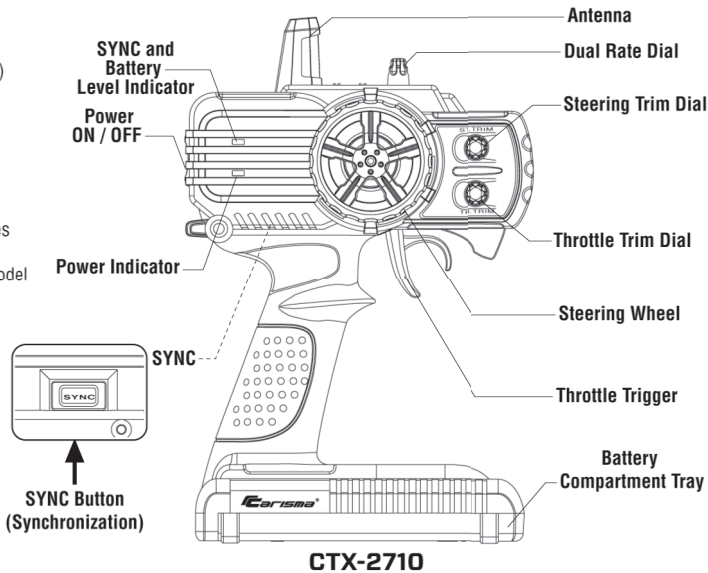
Function

The Transmitter CTX-2710

- Steering Wheel :** Control direction (Left / Right) of the RC model.
- Throttle Trigger :** Control speed and direction (Forward/Brake/Backward) of the driving model.
- Antenna :** Transmit signal to the model.
- Power ON / OFF :** Power ON / OFF the transmitter
- SYNC & Battery Indicator :** Top Green LED light indicates synchronization status and/or adequate battery power supply.
- Power Indicator :** Bottom Red LED light indicates power "ON".
- Dual Rate Dial :** Adjust the same maximum steering angle on both sides when model turns Left / Right
- ST. Trim Dial :** Adjust the neutral position of steering servo when model wheels are straight ahead.
- TH. Trim Dial :** Make sure the model stays still when releasing the throttle trigger.

Battery Compartment Tray : Cover and hold the batteries powering the transmitter.

* In general, user will experience under steer when making a wide turn at high speed or over steer when making sharp turn at high speed (easy to spin out). User should practice the throttle and steering approach for different cornering at different speed or road surface.



Battery Installation

Supplied with 4 x 1.5V AA Batteries, CTX-2710 can be operated a few hours. Installation: Remove the battery compartment cover as shown below.

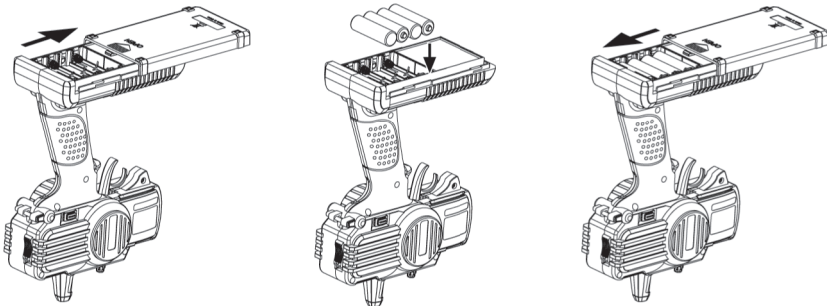
Install the batteries observing the polarity marked on battery compartment.

Then reinstall the battery compartment cover as the Picture shown below.

Warning : Never disassemble batteries or put the batteries in fire, chemical agents, otherwise they may cause personal injuries or property damages.

Battery Disposal : Observe corresponding regulations about wasted battery treatment regulations.

1. After running out of power, dispose of wasted batteries in designated areas far away from water supply, household areas and planted areas.
2. Submit the wasted batteries to specific recycling stations.

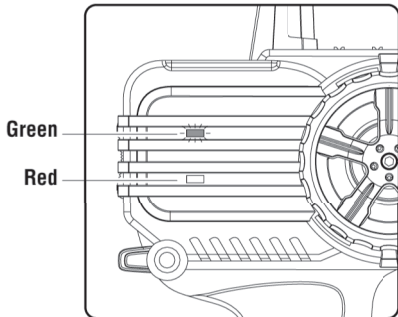


Battery LED Indicator

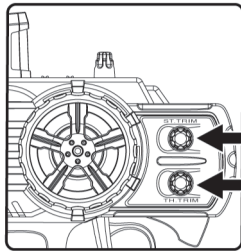
The Green LED indicator located on the front left side of the transmitter indicates the power supply of batteries. The green LED will go solid on indicating that the batteries have sufficient power. When batteries voltage drops below 4 volts, the Green LED will flash, indicating the batteries power is low and should be replaced.

Solid Green :
Sufficient Power supply

Flashing :
Time to replace batteries



Pre-Run Check

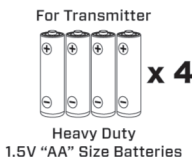


1. Steering : Adjust the steering trim to keep the front wheels in straight line when steering wheel remains in NEUTRAL position.
2. Throttle : Adjust the throttle trim to ensure the rear wheels stop rotating when throttle trigger remains in NEUTRAL position.

* Always turn on the transmitter first by sliding the switch on the left side from bottom to top. The small red and green lights above the switch should both light up. If not, you need to check for low or incorrectly installed batteries.

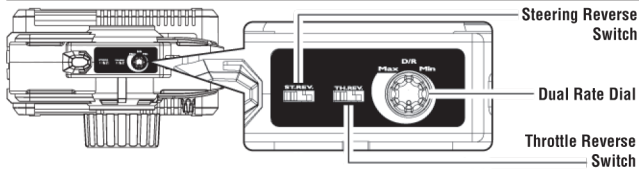
Instructions for Disposal of WEEE by Users in the European Union

This product must never be thrown away with other waste. Thus the users are liable for disposing the wasted model by submitting them to designated collection stations specific for recycling electronic and electric items. Disposing of the wasted model in this way is helpful to conserve natural resources and enable to keep human health and protect the environment. For more information about wasted model disposal and recycling, please contact your local city office, your disposal service or where you purchased the product.



ABOUT THE RADIO SYSTEM

Top Control Panel



Reversing

Reversing is used to change the response direction of steering wheel and throttle trigger. CTX-2710 Transmitter features 2 reversing functions: Steering Reverse and Throttle Reverse.

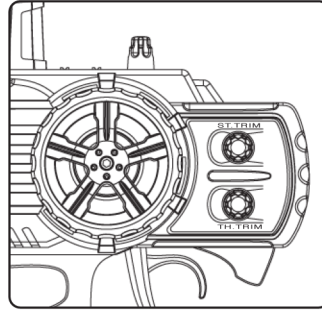
Steering Reverse: Reverse the response direction when operating steering wheel. Turning left steering wheel, the model turns right while turning right the model turns left.

Throttle Reverse: Reverse the response direction when operating throttle trigger. Pushing forward throttle trigger the model moves backward while pulling back, the model moves forward. If necessary you can just use a small screwdriver to adjust the or responding switches.

Dual Rate Dial

Dual Rate Dial enables to adjust the same maximum steering angle of servo on both sides (Left and Right) when model makes steering. The Dual Rate Dial affects the sensitivity of servo. Reducing dual rate value can lower the sensitivity of servo and reduce the same maximum steering angle on both sides. Remember to adjust the dual rate value within the adjustment range.

Trimming



CTX-2710 features two trimming functions:

Steering Trim and Throttle Trim.

Steering Trim Dial :

Adjust the neutral position of steering servo when the wheels are straight ahead. Normally steering trim is adjusted until the model can keep straight tracks.

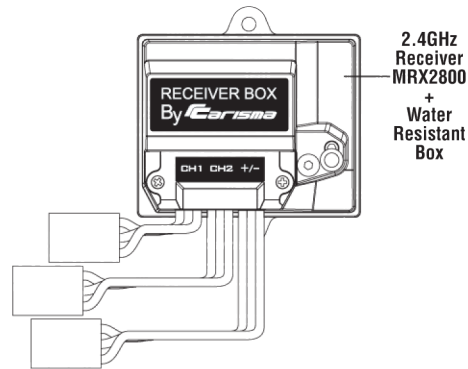
Throttle Trim Dial :

Adjust neutral position of throttle servo. Make sure the model stays still when releasing the throttle trigger.

RECEIVER CONNECTION AND INSTALLATION

Carisma 2.4GHz Receiver MRX2800 + Water Resistant Box

This product comes with the Transmitter and the Receiver Pre-Binded for immediate operation. In the event that you need to Re-Bind the Transmitter and Receiver. Please follow this procedure to access the Receiver Bind button from the Water Resistant Housing.



CH1 - Steering Port : Where to plug in the servo.

CH2 - Throttle Port : Where to plug in the Electronic Speed Controller (ESC).

+/- - Auxiliary Port (Reserved)

WARNING :

- Never bend the metal pins on the PCB of receiver.
- Never cut the antenna cable.
- Install the antenna vertically as shown in the figure.
- Keep the antenna as far away from the motor, ESC and other noise sources as you possibly can.

TIPS :

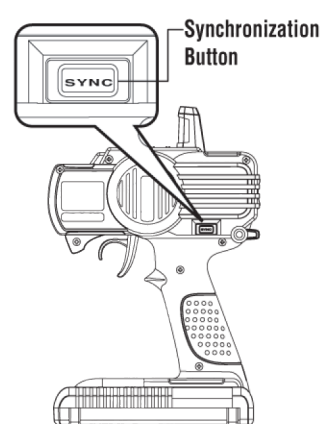
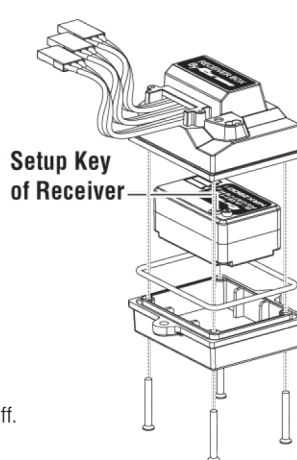
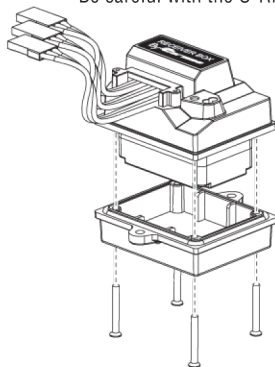
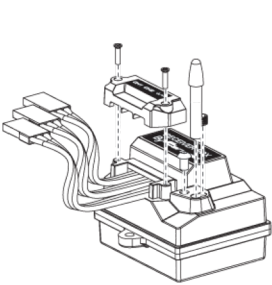
- Wrap the receiver with something soft, such as foam rubber, to avoid vibration. If there is a chance of getting wet, put the receiver in a waterproof bag or balloon.

Synchronization & Frame Rate Adjust

STEP 1 : Remove the connecting wires bracket

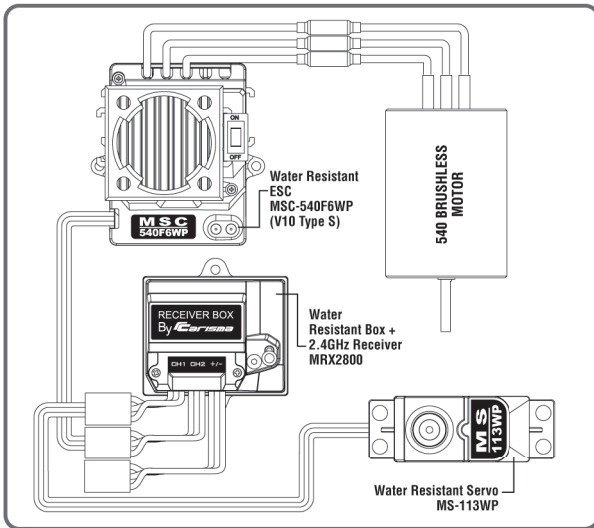
STEP 2 : Separate the housing by removing the mounting screws. Be careful with the O-Ring Seal

STEP 3 : Proceed the binding procedures as described below



1. Release the screw and open the water box.
2. Prior to any operation make sure the transmitter and receiver are both turned off.
3. Press and hold the setup button on the receiver while power on the receiver.
4. Release the setup button till GREEN LED flashes.
5. Press the setup button to select the frame rate with GREEN LED flashing.
Faster Flashing = High frame rate (7ms) for digital servo
Slower Flashing = Low frame rate (15ms) for analogue servo
6. Power on the transmitter. With the transmitter steering wheel and throttle trigger in neutral position (full stop and straight steering), press the SYNC button of the transmitter.
7. When synchronization is done, the GREEN LED on both receiver and transmitter will turn solid ON.

Water Resistant ESC MSC-540F6WP (V10 Type S) Features



ESC Features:

- Water Resistant
- Support Sensorless Brushless Motor ONLY
- Programming by Transmitter during Power up the ESC
- Battery Selection:
 - 7.4V 2 cells LiPo
 - 7.2V NiMH
- TWO ESC profile:
 - Forward / Reverse with Smart Brake
 - Forward Only
- Battery Over Voltage Protection (Max Input voltage = 13V)
- Thermal Protection
- Motor Stall Detection

Battery Type Selection, End Points Calibration & ESC Mode Selection:

- Set the TH end-point travelling to max, and Throttle Trimmer at center position
- Hold the Throttle Trigger at Max Forward/Reverse position and then power on the ESC
- Keep holding the TH at Max Forward/Reverse until beep once and both LED flashing, then release TH to stop position
- Now, ESC at "selecting item to be programmed stage" ESC will display the follow pattern one by one, and then repeat:
 - A. Green LED only - Toggle Battery Type
 - B. Red LED only - End Points calibration
 - C. Red + Green LED - Toggle ESC Mode
- When the throttle is moved to max Fwd/Rev, ESC will execute the setting task:
 - A. Battery Type Selection
 - LED will indicate currently selected battery type, it will be displayed for 4 sec:
 - Solid Red = LiPo
 - Solid Green = NiMH
 - If user pull /pull the TH to max fwd / max rev with 4 sec, ESC will beep once and select another battery type. And ESC will provide another the 4 second time to allow user to select battery type.
 - If after 4 second, user do not pull/push TH, programming will be ended
 - Both LED flashed 3 times with 3 Beep, finally all LED turn OFF
 - User need to power OFF and turn on again to return to normal operation
 - B. End points calibration
 - While waiting TH return to stop, keep flashing Green LED.
 - Once stop position is detected, Green LED solid on for 1 sec and beep once, and then
 - While waiting TH move to max Fwd, keep flashing Red LED, once max Fwd position detected, Red LED solid on for 1 sec and beep once, and then
 - While waiting TH move to max Rev, keep flashing Green LED + Red solid on, once max Rev position detected, Green LED solid on for 1 sec and beep once, and then
 - Both LED flashing 3 times with 3 Beep, finally all LED turn OFF
 - User need to power OFF and turn on again to return to normal operation
 - C. Select ESC Mode
 - LEDs will indicate the currently selected ESC mode:
 - Solid Green LED only = Forward / Reverse with Smart Brake
 - Flashing Green LED only = Forward only
 - User can push/pull TH to select next ESC mode within 4 second
 - Once user push/pull TH, ESC will beep once, and display newly selected ESC mode, And with will start 4 second timer to allow user to select the ESC mode
 - If after 4 second, user do not pull/push TH, programming will be ended
 - Both LED flashed 3 times with 3 Beep, finally all LED turn OFF
 - User need to power OFF and turn on again to return to normal operation

Remark:

- When TH at stop position, the Green LED indicate the current ESC mode:
 - Green LED Solid On = Forward / Reverse with Smart Brake Mode
 - Green LED flashing = Forward Only with Brake

LED Indicator:

- After Power ON:

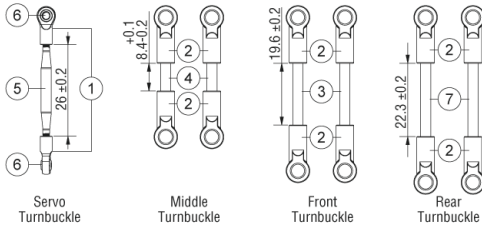
LED will be flashed for 2 second to indicate the currently selected battery type:

 - Flashing Green: Battery = NiMH
 - Flashing Red: Battery = LiPo
- Normal Operation:
 - Stop: GREEN LED solid ON (Forward/Reverse with Smart Brake)
Flashing GREEN LED (Forward Only with Brake)
 - Forward (NOT Full Speed): All LED OFF
 - Forward (Full Speed): Red LED ON
 - Reversing (NOT Full Speed): All LED OFF
 - Reversing (Full Speed): Green LED ON
 - Brake: RED and GREEN LED solid ON
- Overheat Protection:
 - Alternatively Flashing RED and GREEN LED quickly
- Motor Stall Protection:
 - Flashing RED quickly 3 times, stop for a while and repeat again
- Battery Over Voltage (battery over 13V):
 - RED LED solid ON, Flashing GREEN once per second
- Battery Under Voltage (4.5V for NiMH, 6V for 2 cells LiPo, 9V for 3 cells LiPo):
 - GREEN LED solid ON, Flashing RED once per second

THINGS YOU NEED

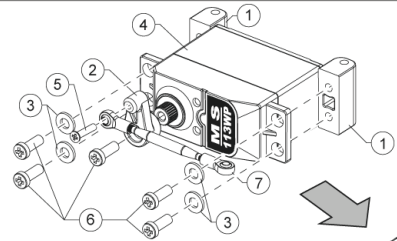
7.4V 2 cells LiPo with XT60 Connector or 7.2V NiMH with XT60 Connector.
Complimentary XT60 Connectors are included.

TURNBUCKLE ASSEMBLY

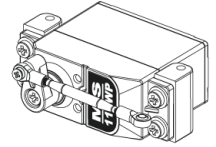


PART NUMBER	DESCRIPTION	QTY
1	GT14BP0807-01 BALL CAP	2
2	M40P1301 LONG BALL CAP	12
3	MASM061 M3x36 SCREW ROD	2
4	MASM1045A M3x26 SCREW ROD	2
5	MASM2325A SCREW ROD	1
6	ME017A 3.9 BALL	2
7	SSW-G00595 SCREW ROD	2

SERVO SAVER EXPLODED DIAGRAM

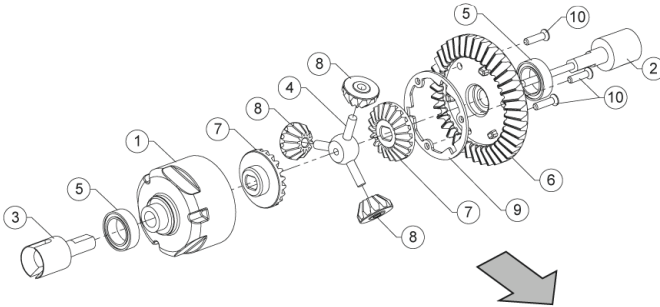


PART NUMBER	DESCRIPTION	QTY
1	M40P0803 SERVO MOUNT	2
2	M48SP0605 SERVO ARM 25T	1
3	MASM1210A 3.3x6.7x0.8mm WASHER	4
4	MS-113WP WATER RESISTANT SERVO	1
5	SSW-G00106 2x10KM D=3.5	1
6	SSW-G00285 3x8PB D=5.2	5
7	M48S-005 TURNBUCKLE ASSEMBLY	1

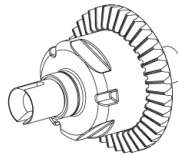


**ASSEMBLED
M48S-006**

DIFFERENTIAL GEAR ASSEMBLY

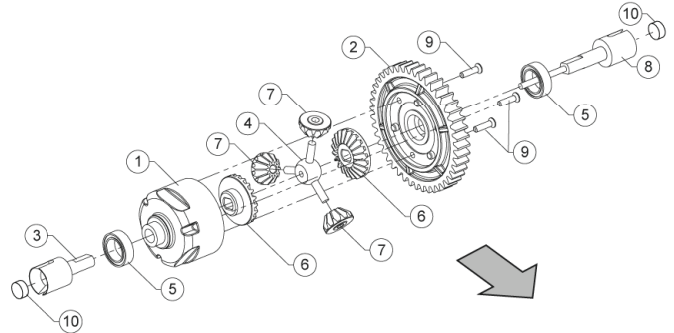


PART NUMBER	DESCRIPTION	QTY
1	M40P0902 GEAR DIFFERENTIAL HOUSING	1
2	MASM006A DIFFERENTIAL OUTDRIVE LONG	1
3	MASM007A DIFFERENTIAL OUTDRIVE SHORT	1
4	MASM019A GEAR DIFF. ADAPTOR	1
5	MASM033A BEARING 8x12x3.5mm	2
6	MASM2216A SPUR GEAR 39T	1
7	MASM2218A BEVEL GEAR 21T	2
8	MASM2219A BEVEL GEAR 12T	3
9	SPC-G00009 GEAR DIFF. SEAL SHEET	1
10	SSW-G00156 2x8KB D3.4	3

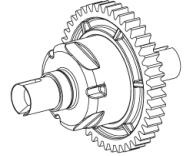


**ASSEMBLED
M48S-007**

CENTER DIFFERENTIAL ASSEMBLY

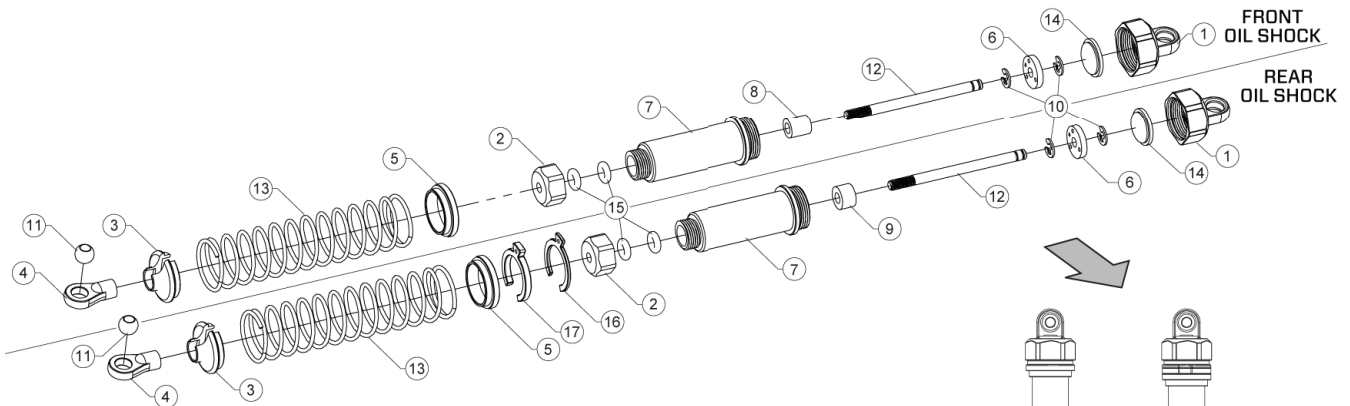


PART NUMBER	DESCRIPTION	QTY
1	M40P0902 GEAR DIFFERENTIAL HOUSING	1
2	M48SP0612 SPUR GEAR 44T	1
3	MASM007A DIFFERENTIAL OUTDRIVE SHORT	1
4	MASM019A GEAR DIFF. ADAPTOR	1
5	MASM033A BEARING 8x12x3.5mm	2
6	MASM2218A BEVEL GEAR 21T	2
7	MASM2219A BEVEL GEAR 12T	3
8	MASM2287A CENTER OUTDRIVE	1
9	SSW-G00156 2x8KB D3.4	3
10	EVA-G00003 DIFF. OUTDRIVE FOAM STUD	2



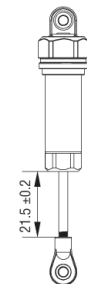
**ASSEMBLED
M48S-008**

FRONT AND REAR OIL SHOCK ASSEMBLY

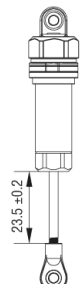


PART NUMBER	DESCRIPTION	QTY
1	GT14BP1001 SHOCK TOP CAP	2
2	GT14BP1002-01 SHOCK BOTTOM CAP	2
3	GT14BP1103-01 SPRING RETAINER LOWER	2
4	GT14BP1104 SHOCK BALL CAP	2
5	GT14BP1105-01 OIL SHOCK ADJUSTER	2
6	GT14BPROP0102 SHOCK PISTON 1.2	2
7	M40BP0301-01 OIL SHOCK BODY	2
8	M48SP0615 FRONT OIL SHOCK SPACER	1
9	M48SP0616 REAR OIL SHOCK SPACER	1

PART NUMBER	DESCRIPTION	QTY
10	MASM053A E-RING 2.3x6x0.4	4
11	MASM204A 5.8 BALL THROUGH	2
12	MASM2148A OIL SHOCK SHAFT	2
13	MASM2374A OIL SHOCK SPRING	2
14	RBP-G00010 SHOCK DIAPHRAGM	2
15	RBP-G00014 O-RING	4
16	GT14BP1109 SHOCK ADJUSTMENT CLIP 1mm	1
17	GT14BP1108 SHOCK ADJUSTMENT CLIP 2mm	1



**FRONT
OIL SHOCK**

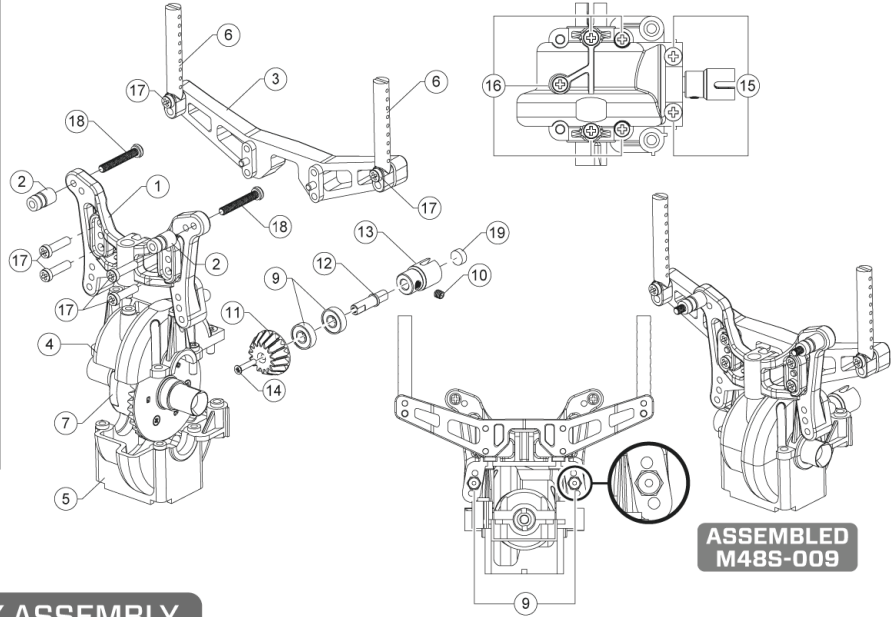


**REAR
OIL SHOCK**

**ASSEMBLED
M48S-003**

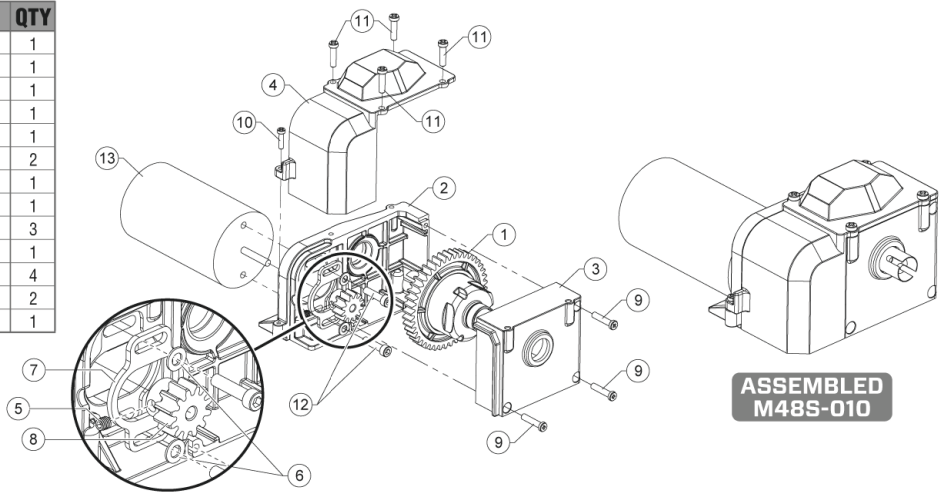
DIFFERENTIAL GEAR BOX ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	M40BP0101	SHOCK TOWER	1
2	M40BP0102	SHOCK TOWER MOUNT	2
3	M40DTP0202	STEERING LINKAGE	1
4	M40P0601-02	UPPER DIFF. HOUSING	1
5	M40P0602-02	LOWER DIFF. HOUSING	1
6	M40P1004	BODY POST	2
7	M48S-007	DIFF. GEAR ASSEMBLED	1
8	MASM013A	4.8 BALL STUD	2
9	MASM035A	BEARING 4x10x3mm	2
10	MASM038A	M3 SCREW SET	1
11	MASM2217A	BEVEL GEAR 15T	1
12	MASM2276A	INPUT SHAFT	1
13	MASM2336A	OUTDRIVE CUP	1
14	SSW-G00106	2x10KM D3.5	1
15	SSW-G00188	3x10KB	2
16	SSW-G00192	3x10PB	5
17	SSW-G00205	3x12PB	6
18	SSW-G00234	3x20BM D5.2	2
19	EVA-G00003	DIFF. OUTDRIVE FOAM STUD	1



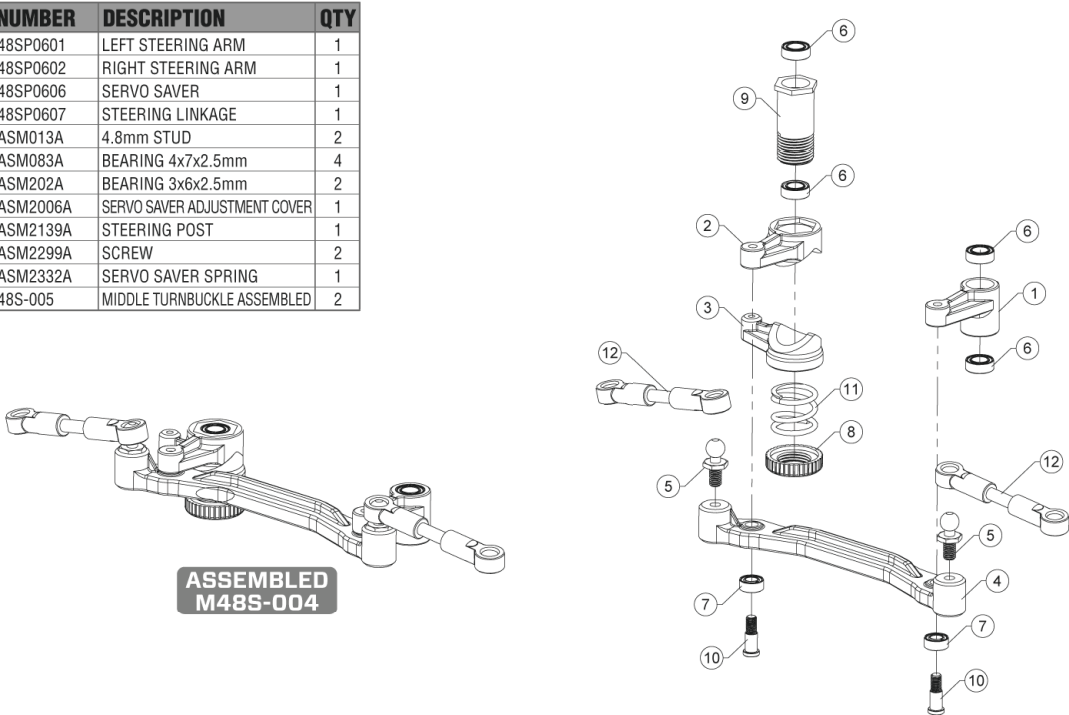
CENTER DIFFERENTIAL BOX ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	M48S-008	CENTER DIFF. ASSEMBLED	1
2	M48SP0303	MOTOR MOUNT A	1
3	M48SP0304	MOTOR MOUNT B	1
4	M48SP0305	GEAR DUST COVER	1
5	MASM038A	M3 SCREW SET	1
6	MASM212A	SPACER RING	2
7	MASM2326A	METAL MOTOR GASKET	1
8	MASM2346A	BEVEL GEAR 12T	1
9	SSW-G00035	2.6x12PB	3
10	SSW-G00158	2x8PB	1
11	SSW-G00175	2.6x10PB	4
12	SSW-G00579	3x12CM	2
13	MOT-G00120	540 BRUSHLESS MOTOR	1



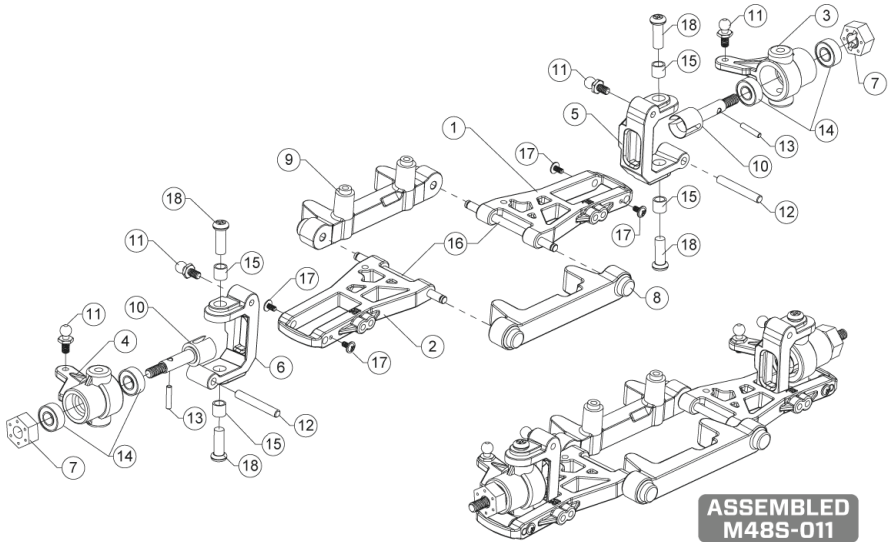
STEERING POST ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	M48SP0601	LEFT STEERING ARM	1
2	M48SP0602	RIGHT STEERING ARM	1
3	M48SP0606	SERVO SAVER	1
4	M48SP0607	STEERING LINKAGE	1
5	MASM013A	4.8mm STUD	2
6	MASM083A	BEARING 4x7x2.5mm	4
7	MASM202A	BEARING 3x6x2.5mm	2
8	MASM2006A	SERVO SAVER ADJUSTMENT COVER	1
9	MASM2139A	STEERING POST	1
10	MASM2299A	SCREW	2
11	MASM2332A	SERVO SAVER SPRING	1
12	M48S-005	MIDDLE TURNBUCKLE ASSEMBLED	2



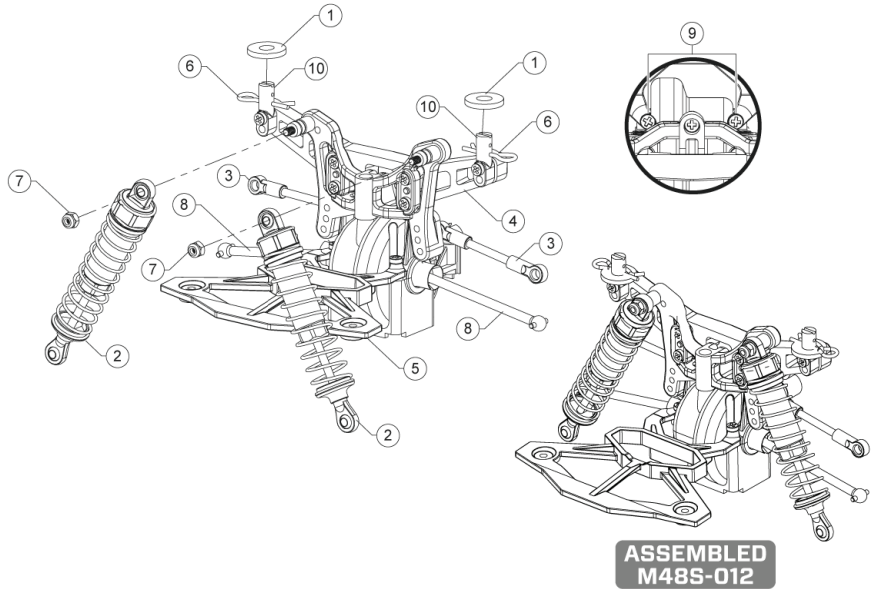
FRONT SUSPENSION ARMS ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	M40P0301-02	FRONT SUSPENSION ARM L	1
2	M40P0302-02	FRONT SUSPENSION ARM R	1
3	M40P0401-02	FRONT SPINDLE L	1
4	M40P0402-02	FRONT SPINDLE R	1
5	M40P0403-01	HUB CARRIER L	1
6	M40P0404-01	HUB CARRIER R	1
7	M40P0703	WHEEL HEX	2
8	M48SP0201	FRONT F SUSPENSION BRACE	1
9	M48SP0202	FRONT R SUSPENSION BRACE	1
10	MASM004A	OUTDRIVE	2
11	MASM013A	4.8mm BALL STUD	4
12	MASM015A	PIN D1/8"x22.9	2
13	MASM017A	PIN D2x10	2
14	MASM034A	BEARING 5x11x4mm	4
15	MASM668A	BUSHING 4.1x5.3x5.5	4
16	MASM1724A	PIN D3.175x48.3mm	2
17	SSW-G00142	2x5PWM	4
18	SSW-G00652	4x11PM D6.2	4



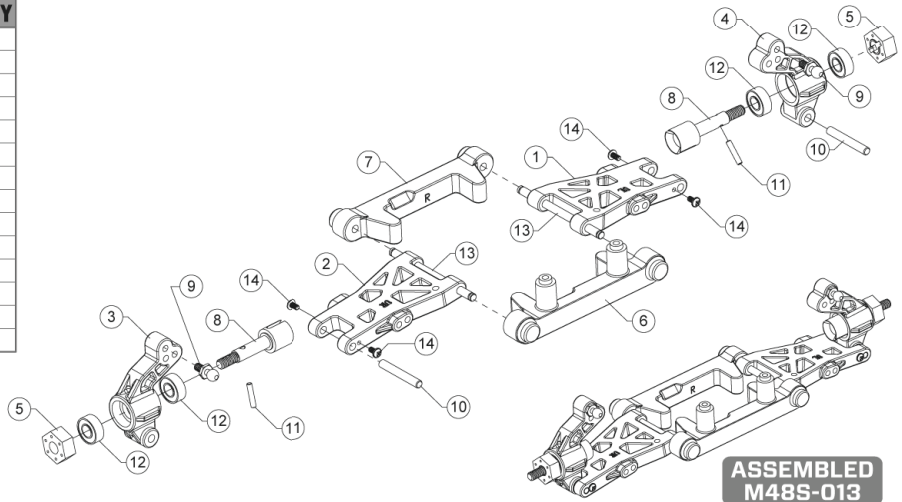
FRONT DIFFERENTIAL GEAR BOX & OIL SHOCK ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	EVA-G00002	EVA SPACER	2
2	M48S-003	FRONT OIL SHOCK ASSEMBLED	2
3	M48S-005	FRONT TURNBUCKLE ASSEMBLED	2
4	M48S-009	DIFF. GEAR BOX ASSEMBLED	1
5	M48SP0103	FRONT BUMPER BRACE	1
6	MASM032A	BODY CLIP	2
7	MASM1168A	SCREW NUT	2
8	MASM2322A	DOG BONE	2
9	SSW-G00443	3x14PB	2
10	M40P1004	BODY POST	2



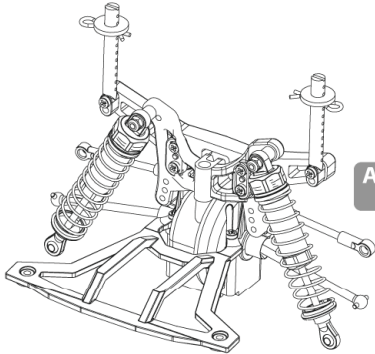
REAR SUSPENSION ARMS ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	M40P0303-02	REAR SUSPENSION ARM L	1
2	M40P0304-02	REAR SUSPENSION ARM R	1
3	M40P0405-02	REAR SPINDLE L	1
4	M40P0406-02	REAR SPINDLE R	1
5	M40P0703	WHEEL HEX	2
6	M48SP0203	REAR F SUSPENSION BRACE	1
7	M48SP0204	REAR R SUSPENSION BRACE	1
8	MASM004A	OUTDRIVE	2
9	MASM013A	4.8mm BALL STUD	2
10	MASM015A	PIN D1/8"x22.9	2
11	MASM017A	PIN D2x10	2
12	MASM034A	BEARING 5x11x4mm	4
13	MASM1724A	PIN D3.175x48.3mm	2
14	SSW-G00129	2x4PWB D4	4

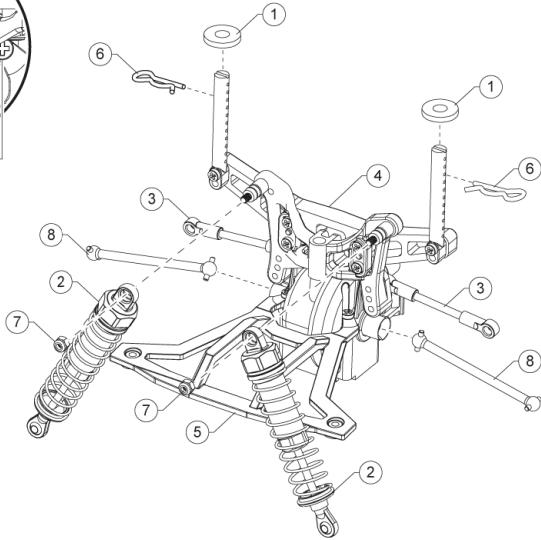


REAR DIFFERENTIAL GEAR BOX & OIL SHOCK ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	EVA-G00002	EVA SPACER	2
2	M48S-003	REAR OIL SHOCK ASSEMBLED	2
3	M48S-005	REAR TURNBUCKLE ASSEMBLED	2
4	M48S-009	DIFF. GEAR BOX ASSEMBLED	1
5	M48SP0104	REAR BUMPER BRACE	1
6	MASM032A	BODY CLIP	2
7	MASM1168A	SCREW NUT	2
8	MASM2322A	DOG BONE	2
9	SSW-G00443	3x14PB	2

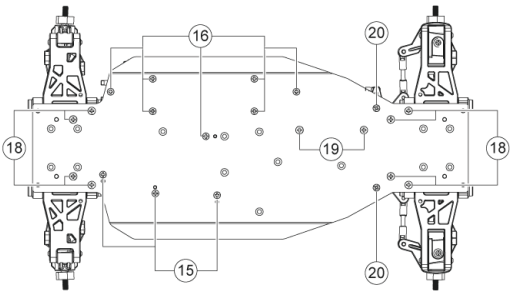
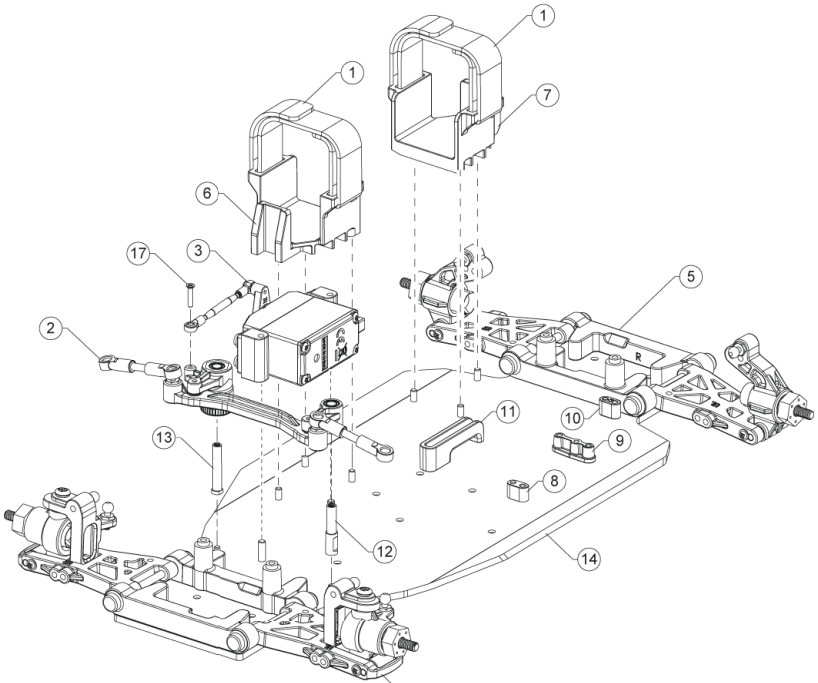


ASSEMBLED
M48S-014

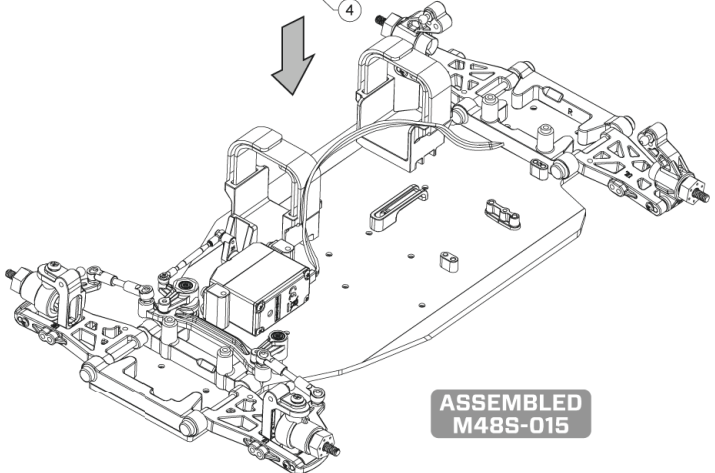


MAIN CHASSIS ASSEMBLY

PART NUMBER	DESCRIPTION	QTY	
1	CBT-G00032	HOOK & LOOP	2
2	M48S-004	STEERING POST ASSEMBLED	1
3	M48S-006	SERVO SAVER ASSEMBLED	1
4	M48S-011	F SUSPENSION ARMS ASSEMBLED	1
5	M48S-013	R SUSPENSION ARMS ASSEMBLED	1
6	M48SP0301	BATTERY MOUNT A	1
7	M48SP0302	BATTERY MOUNT B	1
8	M48SP0608	540 ESC MOUNT	1
9	M48SP0609	RECEIVER MOUNT A	1
10	M48SP0610	RECEIVER MOUNT B	1
11	M48SP0611	WIRE MOUNT	1
12	MASM2137A	LEFT STEERING POST	1
13	MASM2138A	RIGHT STEERING POST	1
14	MASM2307A	METAL CHASSIS	1
15	SSW-G00020	2.6x10KB	3
16	SSW-G00077	2.6x8KB	7
17	SSW-G00106	2x10KM D3.5	1
18	SSW-G00188	3x10KB	8
19	SSW-G00207	3x12KB	2
20	SSW-G00361	2.6x8KM	2

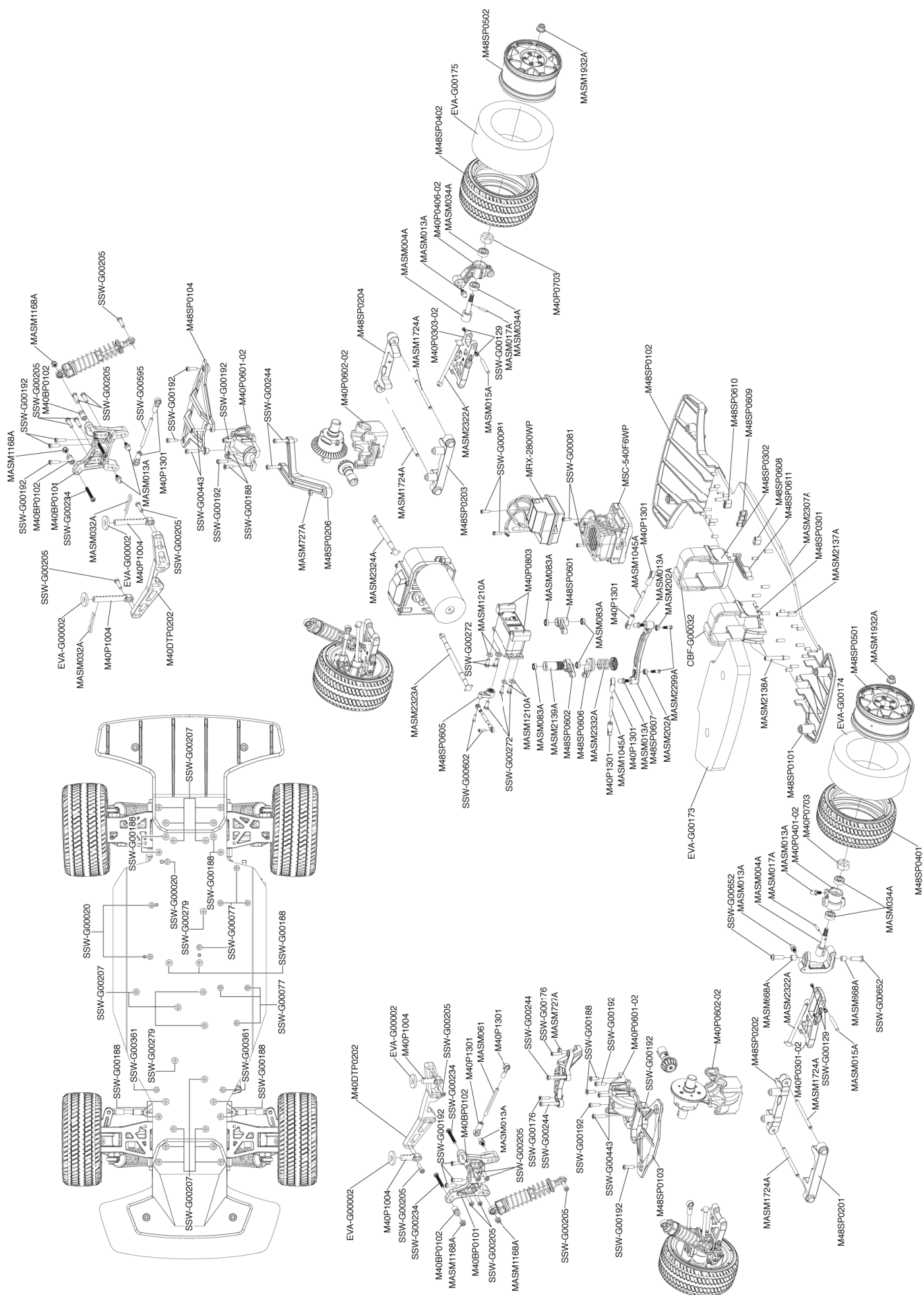


ASSEMBLED
M48S-015



SPARE PARTS LIST

ITEM NO	BARCODE	PRODUCT NAME	PART NO	DESCRIPTION	QTY
15117	4892793151177	M48S BUMPER (F/R) SET	M48SP0101	FRONT BUMPER	1
			M48SP0102	REAR BUMPER	1
			M48SP0103	FRONT BUMPER BRACE	1
			M48SP0104	REAR BUMPER BRACE	1
15118	4892793151184	M48S FRONT WHEEL / TYRE PAIR MOUNTED	MAT-008-TA-00001	M48S FRONT WHEEL / TYRE PAIR MOUNTED	2
15119	4892793151191	M48S REAR WHEEL / TYRE PAIR MOUNTED	MAT-008-TA-00002	M48S REAR WHEEL / TYRE PAIR MOUNTED	2
15120	4892793151207	M48S STEERING ARM SET	M48SP0601	STEERING ARM LEFT	1
			M48SP0602	STEERING ARM RIGHT	1
15121	4892793151214	M48S DOG BONE (PAIR)	MASM2322A	DOG BONE	2
15122	4892793151221	M48S MAIN DRIVE SHAFT	MASM2323A	MAIN DRIVE SHAFT (FRONT)	1
			MASM2324A	MAIN DRIVE SHAFT (REAR)	1
15123	4892793151238	M48S BATTERY MOUNT SET	M48SP0301	BATTERY MOUNT A	1
			M48SP0302	BATTERY MOUNT B	1
			CBT-G00032	HOOK & LOOP	2
			GT14BP0807-01	BALL CAP FOR SERVO TURNBUCKLE	2
15124	4892793151245	M48S TURNBUCKLE SET	M40P1301	LONG BALL CAP	12
			MASMO61A	M3x36 SCREW ROD FOR FRONT TURNBUCKLE	2
			MASM1045A	M3x26 SCREW ROD FOR STEERING TURNBUCKLE	2
			MASM2325A	SCREW ROD FOR SERVO TURNBUCKLE	1
			ME017A	3.9 BALL FOR SERVO TURNBUCKLE	2
			SSW-G00595	SCREW ROD FOR REAR TURNBUCKLE	2
			M48SP0201	FRONT F SUSPENSION BRACE	1
			M48SP0202	FRONT R SUSPENSION BRACE	1
15125	4892793151252	M48S SUSPENSION ARM BRACE	M48SP0203	REAR F SUSPENSION BRACE	1
			M48SP0204	REAR R SUSPENSION BRACE	1
			M48SP0303	MOTOR MOUNT A	1
15126	4892793151269	M48S MOTOR MOUNT SET	M48SP0304	MOTOR MOUNT B	1
			M48SP0305	GEAR DUST COVER	1
			M48SP0608	540 ESC MOUNT	1
15127	4892793151276	M48S ESC / RECEIVER MOUNTING ADAPTOR	M48SP0609	RECEIVER MOUNT A	1
			M48SP0610	RECEIVER MOUNT B	1
			M48SP0611	WIRE MOUNT	1
			MAT-008-BA-00001	M48S PORSCHE 959 PAINTED + DECORATED BODY	1
15128	4892793151283	M48S PORSCHE 959 PAINTED + DECORATED BODY ASSEMBLY	MASMO32A	BODY CLIP	4
			DCL-G00318	CARISMA LOGO STICKER	1
			DCC-G00291	PORSCHE 959 CAR BODY STICKER SHEET B	1
			EVA-G00173	FRONT BUMPER FOAM	1
15129	4892793151290	M48S FRONT BUMPER FOAM	MASM2307A	METAL CHASSIS	1
15130	4892793151306	M48S MAIN CHASSIS	959B0101	PORSCHE 959 CAR BODY	1
15131	4892793151313	M48S PORSCHE 959 CLEAR BODY SET	959P0101	REAR WING	1
			959P0102	HEAT DISSIPATION BOX	1
			959P0103	TOP LIGHT L	1
			959P0104	TOP LIGHT R	1
			959P0105	DOOR HANDLE	2
			959P0108	MIRROR LEFT C	1
			959P0109	MIRROR LEFT B	1
			959P0110	MIRROR LEFT A	1
			959P0111	MIRROR RIGHT C	1
			959P0112	MIRROR RIGHT B	1
			959P0113	MIRROR RIGHT A	1
			959P0114	WIPER BLADE	2
			MASMO90A	CLIP D1.0	2
			RBP-G00021	O-RING	4
			SSW-G00100	SCREW 2x6 PWB	4
			SSW-G00456	SCREW 2.6x4 PWB	6
			DCC-G00290	PORSCHE 959 CAR BODY STICKER SHEET	1
			DCC-G00291	PORSCHE 959 CAR BODY STICKER SHEET B	1
			MASMO32A	BODY CLIP	4
			DCL-G00318	CARISMA LOGO STICKER	1
15024	4892793150248	M40 SERIES METAL DIFFERENTIAL GEAR BOX ASSEMBLED	MAT-SPT-AS-15024(F)	FRONT METAL DIFF GEAR ASSEMBLED	1
			MAT-SPT-AS-15024(R)	REAR METAL DIFF GEAR ASSEMBLED	1
			MASM2277A	CENTRE DRIVE CUP	2
			MASMO38A	M3 SCREW SET	2
			MASM2276A	INPUT SHAFT	1
			MASM667A	4.1 x 5.2 x 2 RING	2
			MASM2278A	SLIPPER SHAFT	1
			MASMO11A	PIN D1.5 x 8mm	1
			MASM2217A	BEVEL PINION 15T	2
			SSW-G00106	SCREW 2x10KM	2
15020	4892793150200	M40DT / M10DT / M48S GEAR DIFF. SEAL SHEET	SPC-G00009	DIFF. SEAL SHEET	1
15132	4892793151320	M48S CENTER DIFFERENTIAL SET	M40P0902	DIFFERENTIAL HOUSING	1
			M48SP0612	SPUR GEAR 44T	1
			MASMO07A	OUTPUT SHAFT (SHORT)	1
			MASMO19A	DIFFERENTIAL GEAR ADAPTER	1
			MASMO33A	BEARING 8x12x3.5mm	2
			MASM2218A	BEVEL GEAR 21T	2
			MASM2219A	BEVEL GEAR 12T	3
			MASM2287A	CENTER DRIVE CUP	1
15133	4892793151337	M40DT / M48S BOBY POST BRACE SET	SSW-G00156	SCREW 2x8KB D3.4	3
			M40DTP0202	BOBY POST BRACE	1
15134	4892793151344	M48S 12T PINION GEAR SET	MASM2346A	PINION GEAR 12T	1
			MASMO38A	M3 SCREW SET	1
			MASM2326A	METAL MOTOR GASKET	1
			MASM212A	SPACER RING	2
15135	4892793151351	M48S FRONT SUSPENSION ARM SET	M40P0301-01	FRONT SUSPENSION ARM L	1
			M40P0302-01	FRONT SUSPENSION ARM R	1
15136	4892793151368	M48S REAR SUSPENSION ARM SET	M40P0303-01	REAR SUSPENSION ARM L	1
			M40P0304-01	REAR SUSPENSION ARM R	1
14103	4892793141031	M40S STEERING HUB SET	M40P0401-01	LEFT FRONT SPINDLE	1
			M40P0402-01	RIGHT FRONT SPINDLE	1
			M40P0403-01	LEFT HUB CARRIER	1
			M40P0404-01	RIGHT HUB CARRIER	1
14104	4892793141048	M40S REAR UPRIGHT SET	M40P0405-01	LEFT REAR SPINDLE	1
			M40P0406-01	RIGHT REAR SPINDLE	1
14112	4892793141123	M40S SUSPENSION PIN SET	MASM1724A	PIN D3.175 x 48.3mm	2
14132	4892793141321	M40S OUTDRIVE	MASMO15A	PIN D3.175 x 22.9mm	2
			MASMO04A	OUTDRIVE	4
14124	4892793141246	M40S WHEEL ADAPTOR SET	M40P0703	WHEEL HEX ADAPTOR	4
			MASMO17A	WHEEL HEX ADAPTOR PIN	4
14963	4892793149631	GTB STEERING POSTS SET	MASM2137A	LEFT STEERING POST	1
			MASM2138A	RIGHT STEERING POST	1





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