

DTY-125

1/12 SCALE COMPETITION PAN CAR KIT

MANUFACTURED BY

ROCKE

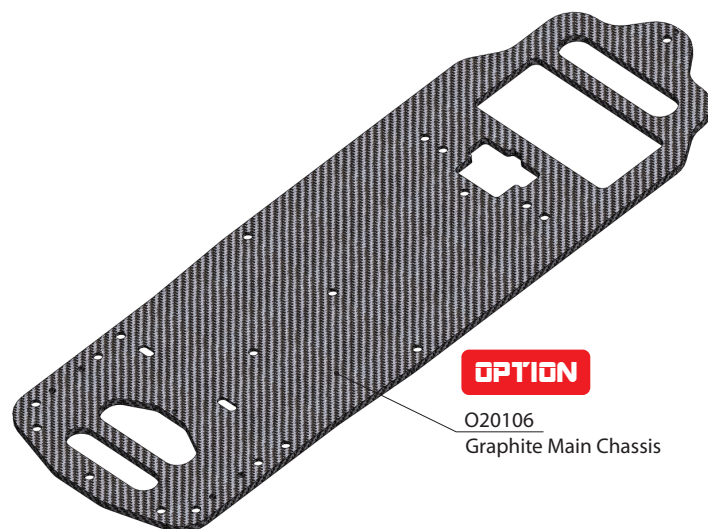
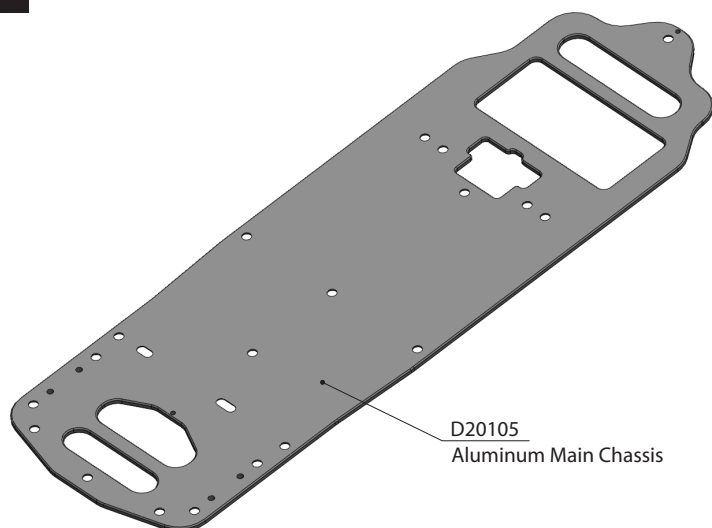
**INSTRUCTION
MANUAL**

1 CHASSIS PREPARATION

シャーシの準備

DESTINY

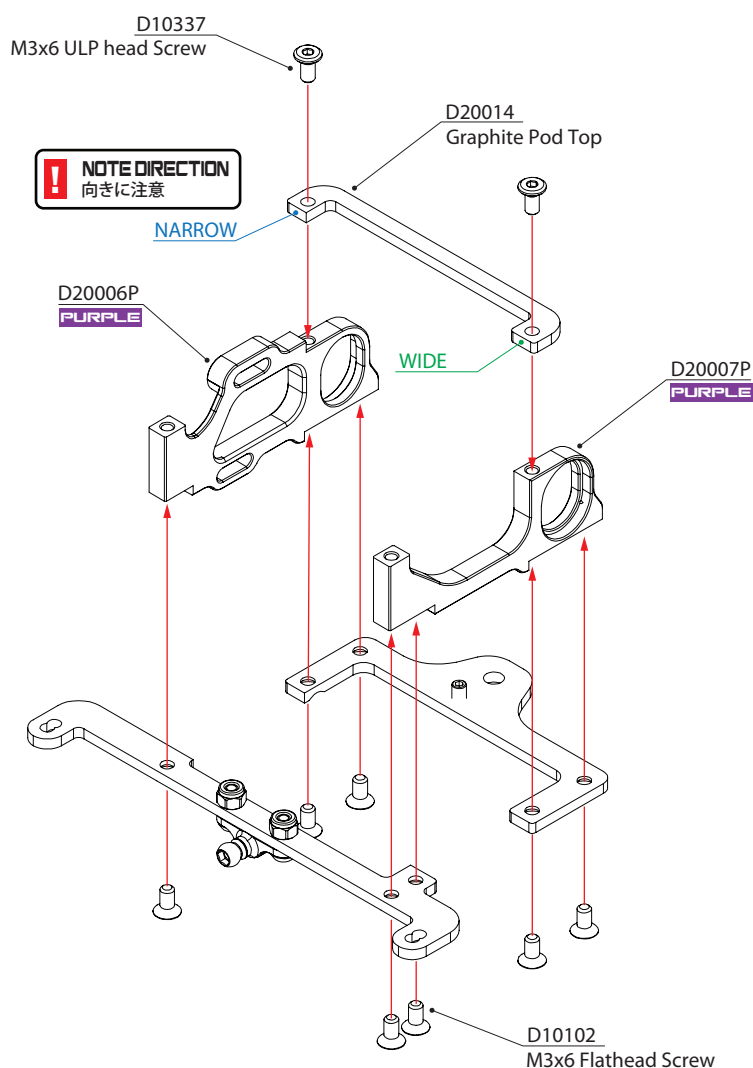
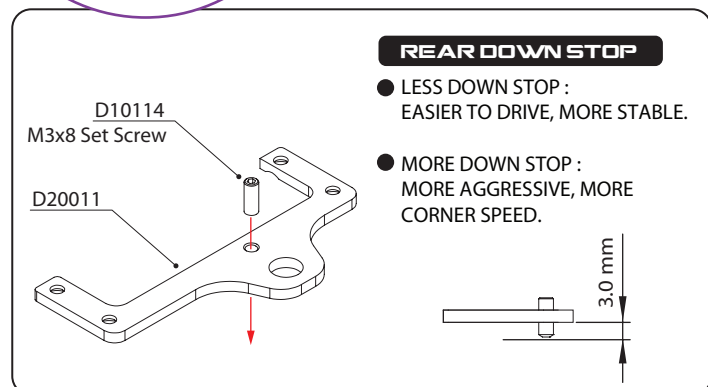
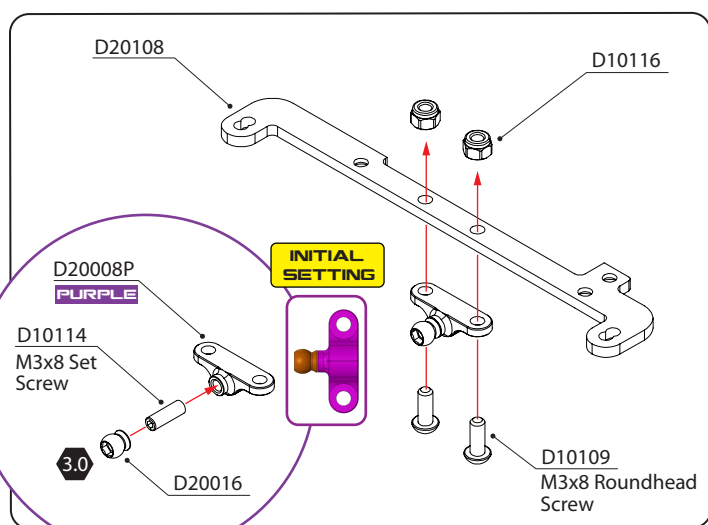
1



2

PIVOT BLOCK AND REAR BULKHEAD

BAG **A**



D10109 M3x8 Roundhead Screw, 10 pcs
D10114 M3x8 Set Screw, 10 pcs
D10116 M3 Lock Nut, 10 pcs
D20006P Aluminum Motor Mount
D20007P Aluminum Left Bulkhead

D20008P Aluminum Ball Block
D20011 Graphite Pod Base
D20016 Aluminum 5mm Pivot Ball, 5 pcs
D20105 2.0mm Aluminum Main Chassis
D20108 Graphite Pod Front

PIVOT BLOCK AND REAR BULKHEAD

D20036
M3 Nut, Thin

D20035
M3x25 Flathead Screw

MOVE FREELY !
ENSURE SUSPENSION
MOVE FREELY.

D20107

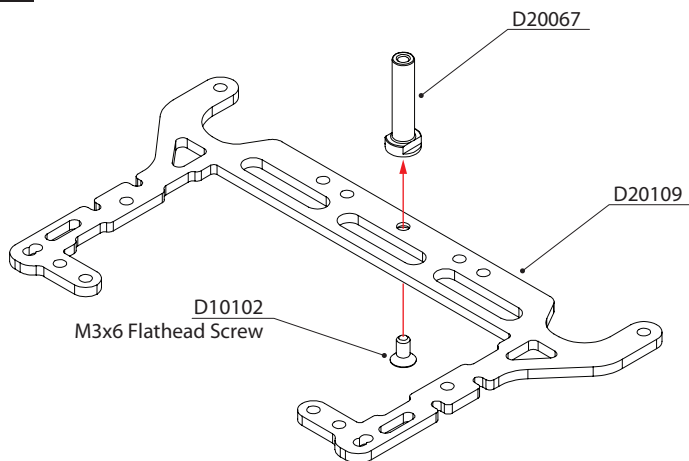
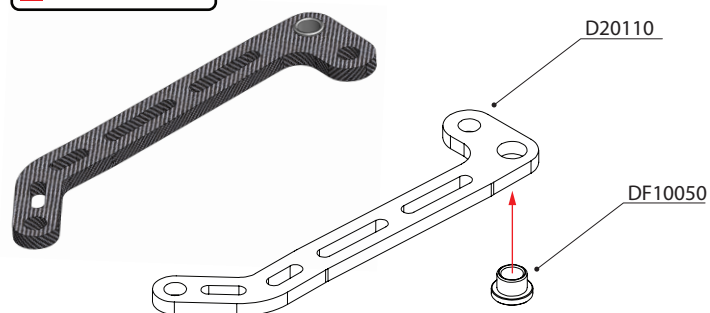
**DO NOT OVER
TIGHTEN**

D10102
M3x6 Flathead Screw

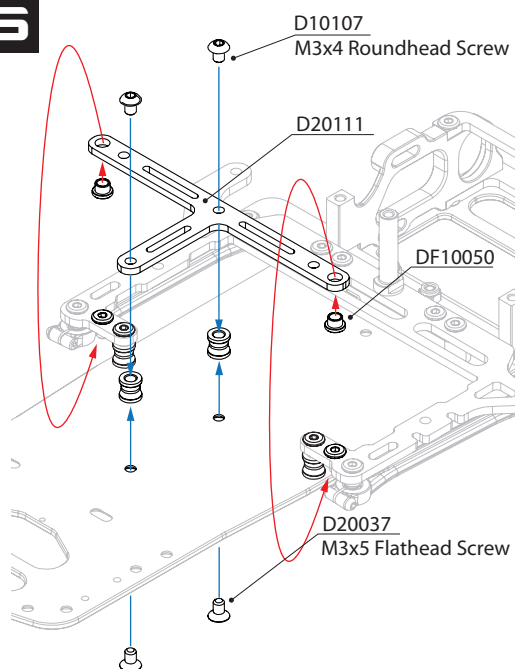
- D10102 M3x6 Flathead Screw, 10 pcs
- D20035 M3x25 Flathead Screw, 5 pcs
- D20036 M3 Nut, Thin, 10 pcs
- D20041 Rear Spring Adjuster Set
- D20107 Pivot Block (Derlin) (2.0)

5

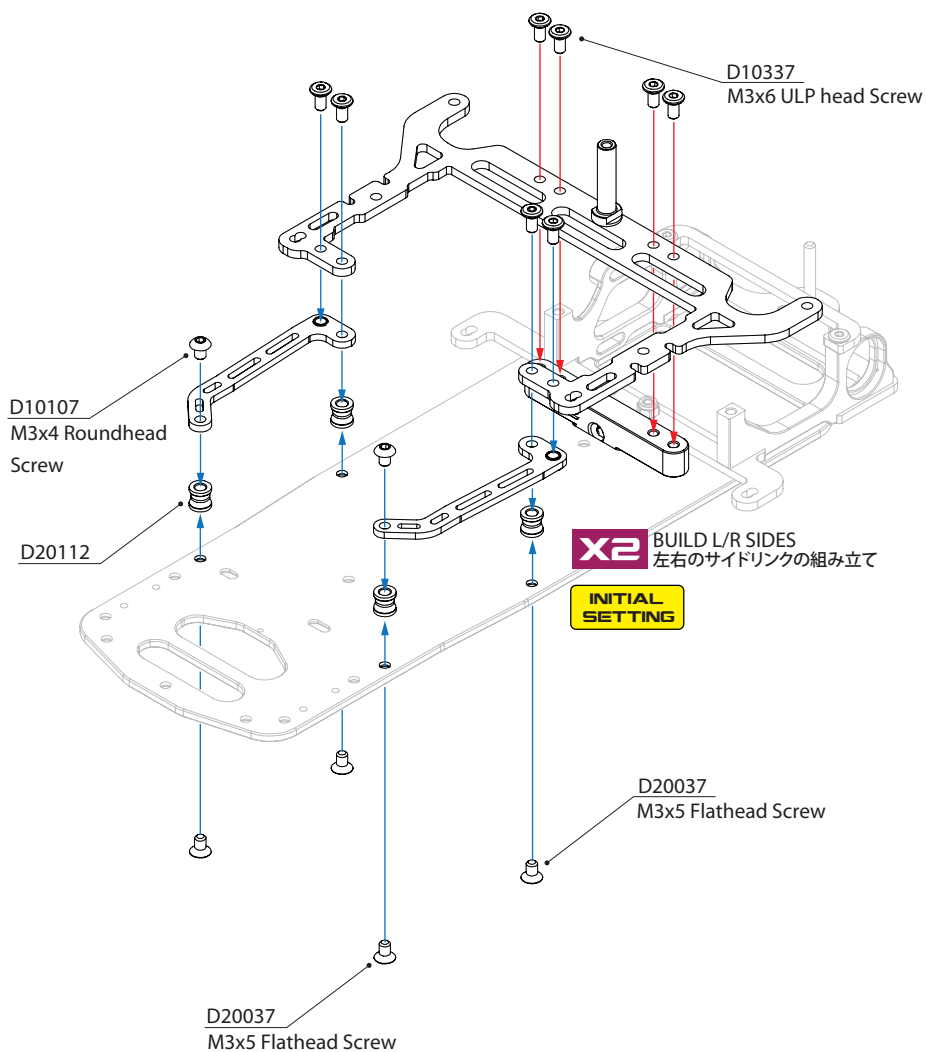
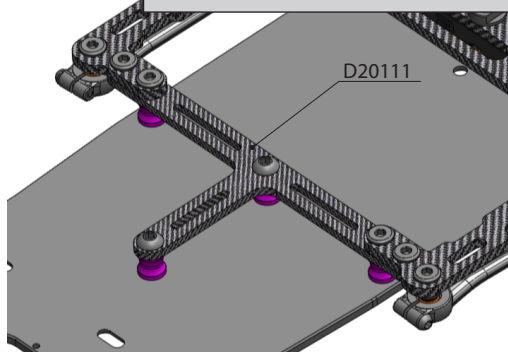
GRAPHITE SIDE BRACE

INITIAL
SETTING**X2** BUILD L/R SIDES
左右のサイドリンクの組み立て**NOTE DIRECTION**
向きに注意

6



GRAPHITE T BRACE

CHASSIS FLEX MORE THAN SIDE BRACE.
PROVIDED SMOOTHER STEERING RESPONSE.

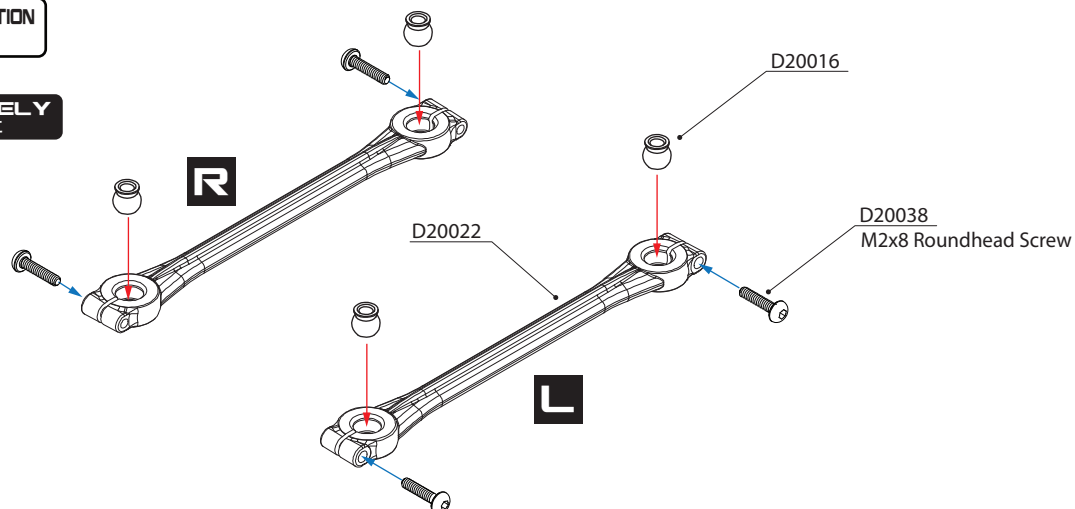
- D10102 M3x6 Flathead Screw, 10 pcs
- D10107 M3x4 Roundhead Screw, 10 pcs
- D10337 M3x6 ULP head Screw, 10 pcs
- D20037 M3x5 Flathead Screw, 10 pcs
- D20067 Damper Post

- D20109 Graphite Lipo Brace
- D20110 Graphite Side Brace
- D20111 Graphite T Brace
- DF10050 M3 Aluminum Insert, Black

X2 BUILD L/R SIDES
左右のサイドリンクの組み立て

NOTE DIRECTION
向きに注意

MOVE FREELY
軽く動くように



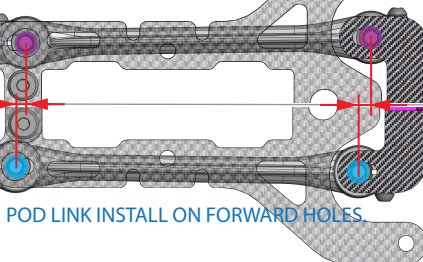
POD LINK POSITION

CHANGE POD LINK AND PIVOT MOUNT POSITION TO ADJUST CHASSIS ROTATION.

REARWARD :
PIVOT MOVED REARWARD AS SHORTER REAR POD GEOMETRY.
PROVIDES MORE INITIAL STEERING AND CHASSIS ROTATION.
GOOD FOR HIGH TRACTION CARPET TRACK.

FORWARD :
PIVOT MOVED TO FORWARD. PROVIDES MORE STABLE AND
EASIER TO DRIVE. MORE REAR TRACTION.

POD LINK INSTALL ON REARWARD HOLES.



SHORT CENTER
PIVOT BALL
INSTALLATION.

LONG CENTER
PIVOT BALL
INSTALLATION.

**INITIAL
SETTING**

**INITIAL
SETTING**

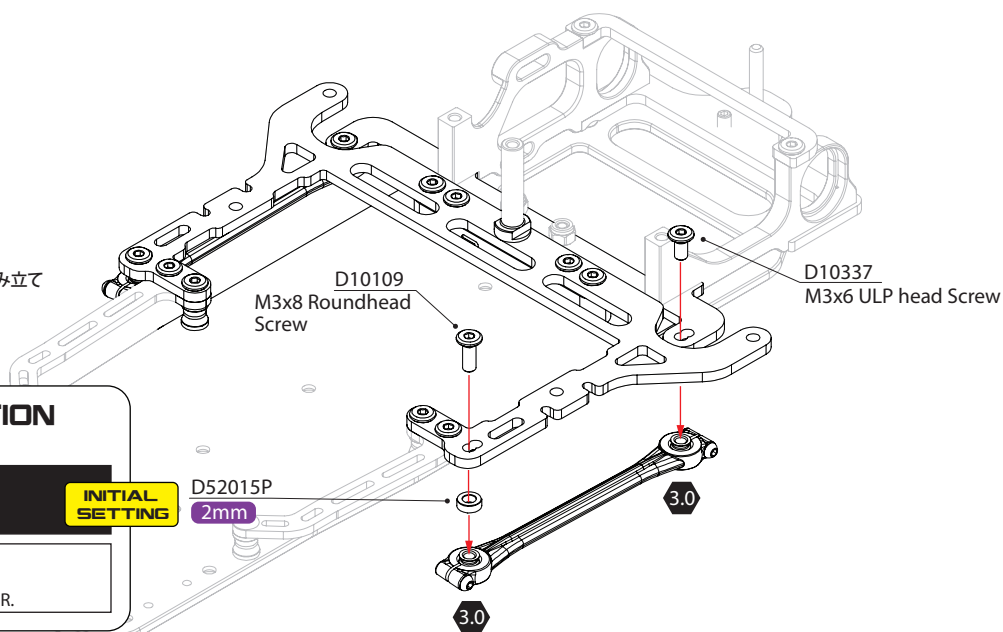
X2 BUILD L/R SIDES
左右のサイドリンクの組み立て

SIDE LINK POSITION [UP/DOWN]

- 2mm SHIM
MORE STEERING MID CORNER,
LESS STABILITY.

- 3mm SHIM
INCREASED REAR STABILITY,
REDUCED STEERING MID CORNER.

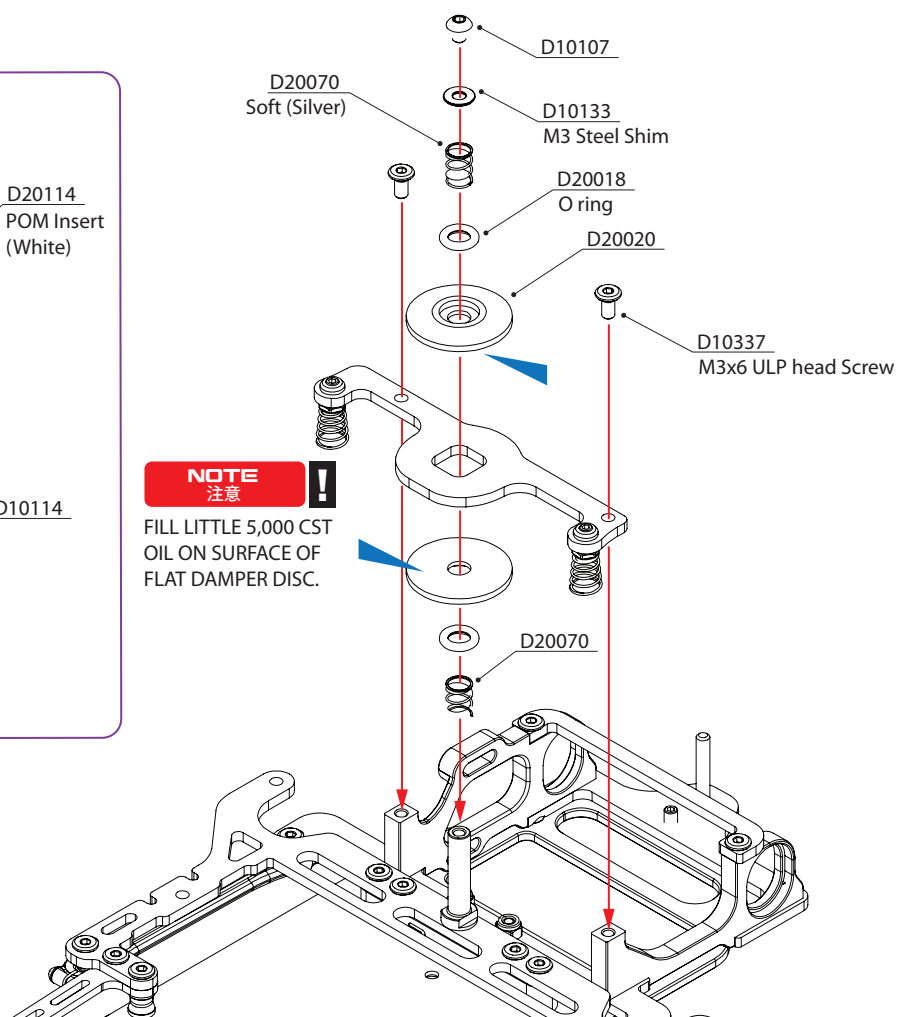
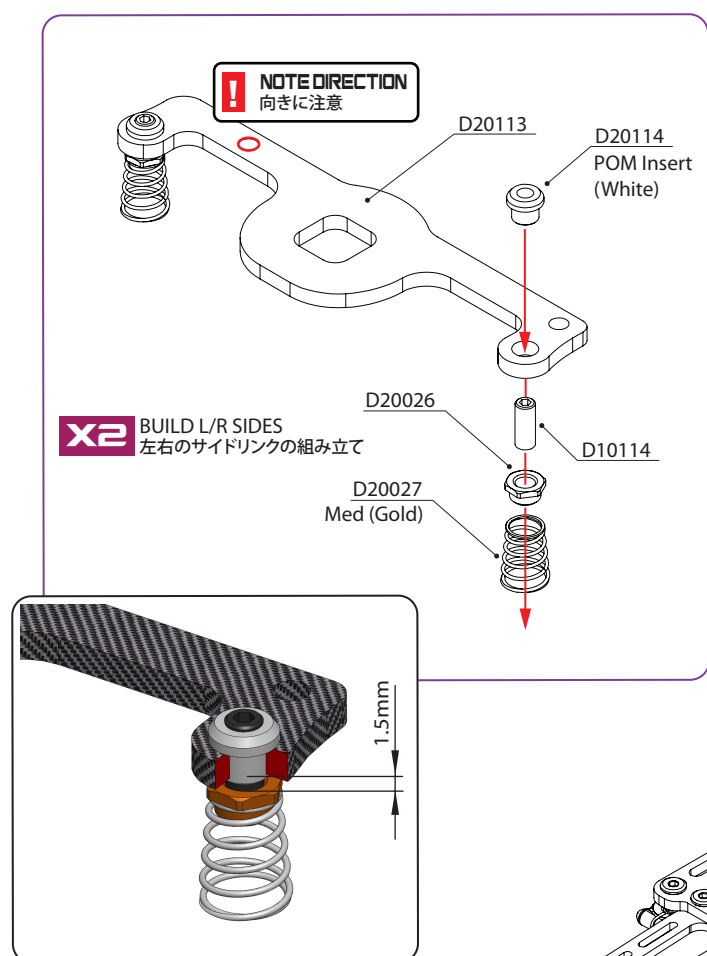
**INITIAL
SETTING**



D10109 M3x8 Roundhead Screw, 10 pcs
D10337 M3x6 ULP head Screw, 10 pcs
D20016 Aluminum 5mm Pivot Ball, 5 pcs

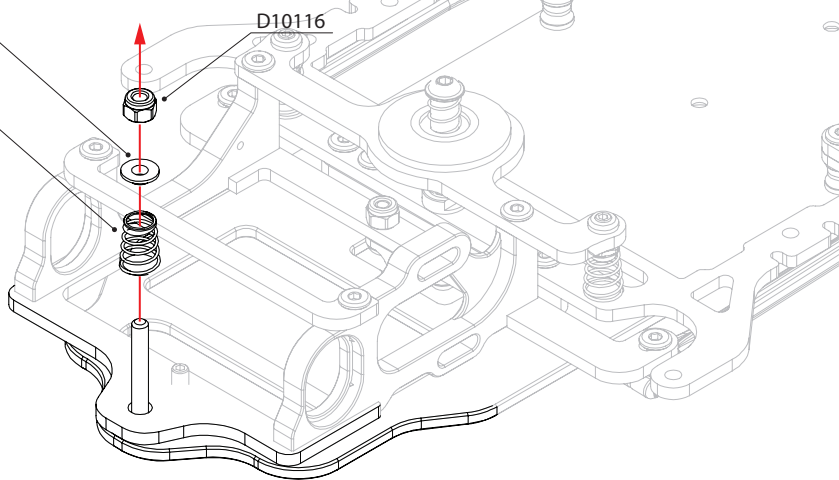
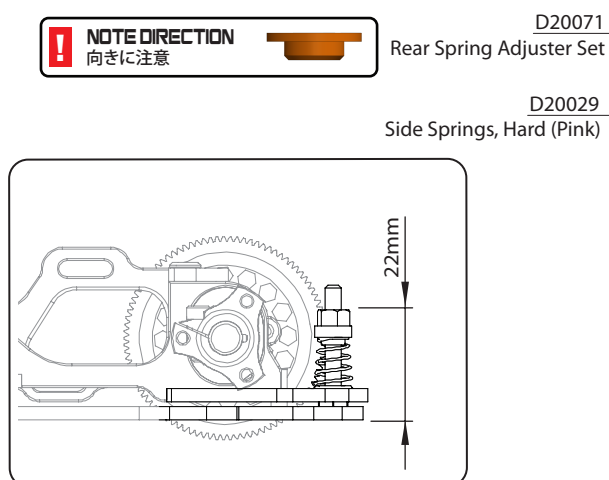
D20022 Short Pod Link (V2)
D20038 M2x8 Roundhead Screw, 10 pcs
D52015P 3x5.5x2mm Aluminum Spacer (Purple), 10 pcs

REAR DAMPER



Part No.	Side & Rear Springs
O20091	Side Springs, Soft, 2 pcs
D20027	Side Springs, Medium, 2 pcs
D20029	Side Springs, Hard, 2 pcs

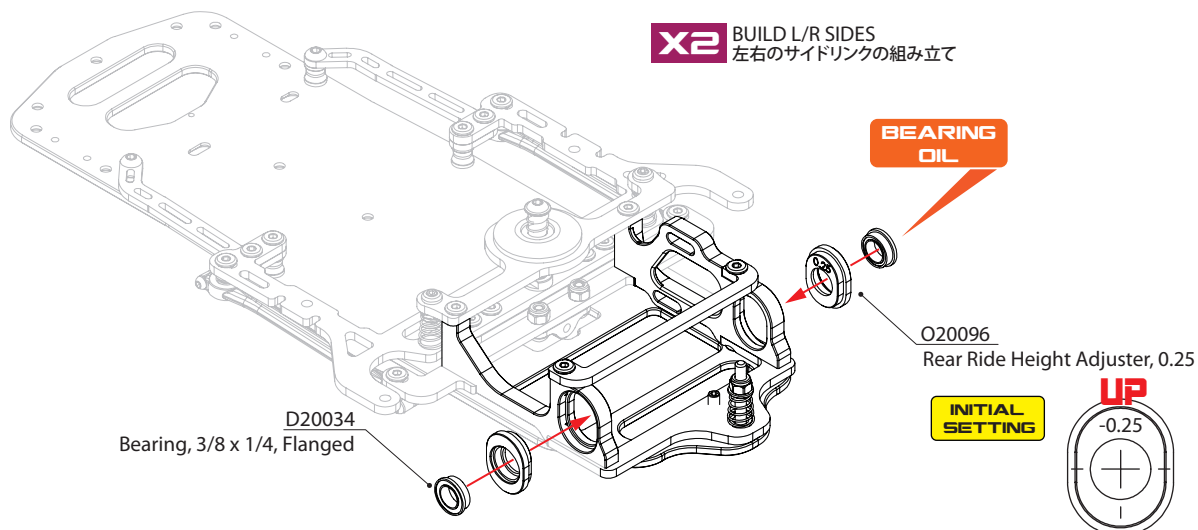
Part No.	Front & Center Damper Springs
D20070	Soft, Silver, 2 pcs
O20092	Med Soft, Black, 2 pcs
O20093	Med, Gold, 2 pcs
O20126	Hard, Zinc, 2 pcs



D10107 M3x4 Roundhead Screw, 10 pcs
 D10114 M3x8 Set Screw, 10 pcs
 D10133 3mm Spacer (Steel), 10 pcs
 D10337 M3x6 ULP head Screw, 10 pcs
 D20018 Center Damper O ring, 2 pcs

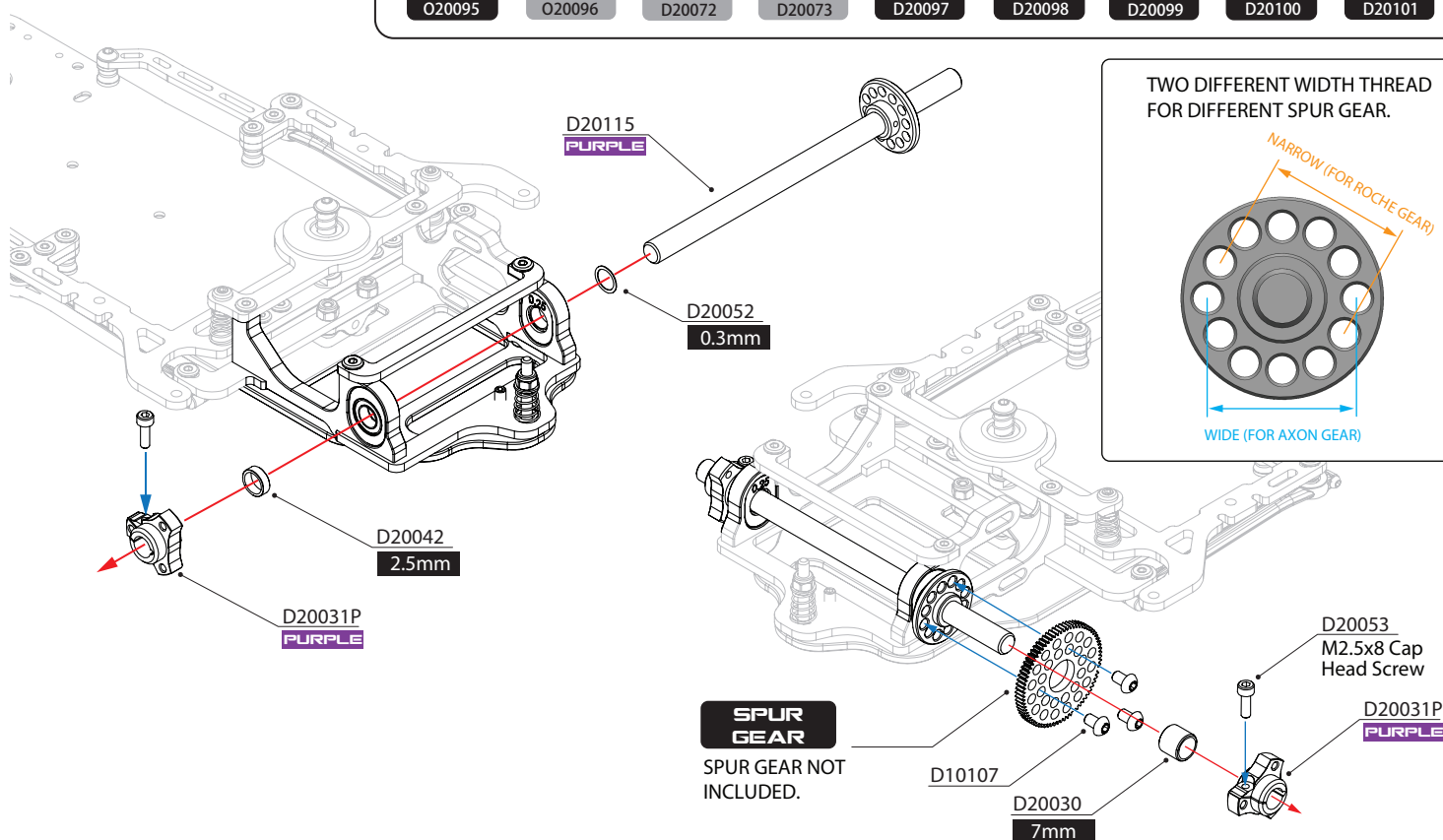
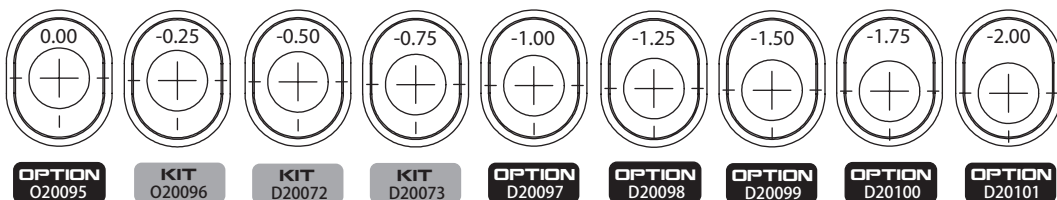
D20020 Flat Damper Disc, 2 pcs
 D20026 Aluminium Side Spring Retainer
 D20027 Side Springs, Medium, 2 pcs
 D20113 Graphite Damper Plate
 D20070 Center Damper Spring, Soft, 2 pcs

REAR SOLID AXLE

BAG **B**

AXLE HEIGHT ADJUSTER

0.25mm per step fine ride height adjustment



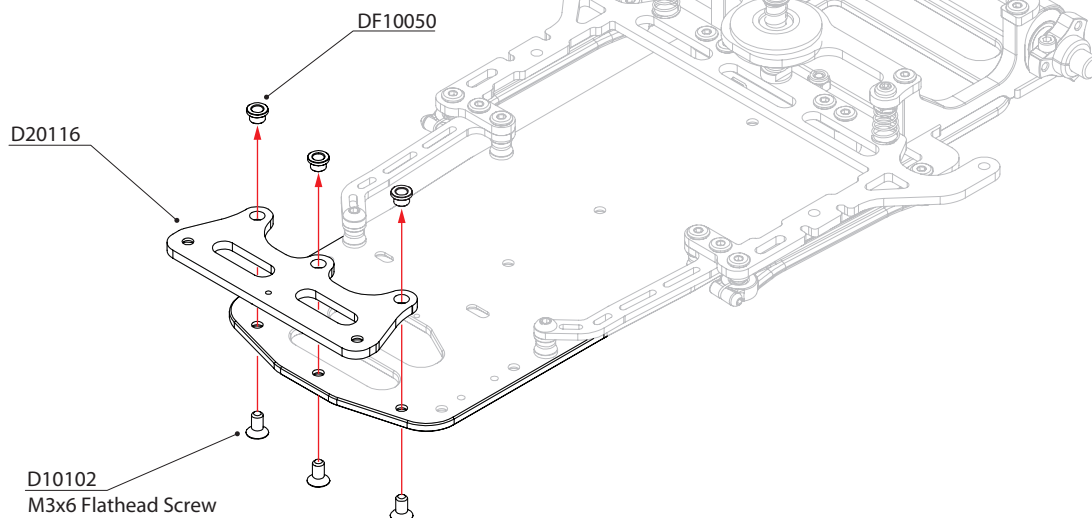
D50007 M3x5 Roundhead Screw, 10 pcs
 D20030 Rear Axle Spacer, 7mm
 D20031P Aluminum Wheel Hub, Left, Purple
 D20034 Bearing, 3/8 x 1/4, Flanged, 2 pcs

D20042 Rear Axle Spacer, 2.5mm
 D20052 Rear Axle Spacer Shim Set (0.1/0.2/0.3mm)
 D20053 M2.5x8 Cap head Screw, 10 pcs
 D20115 Carbon Solid Axle, Purple

13

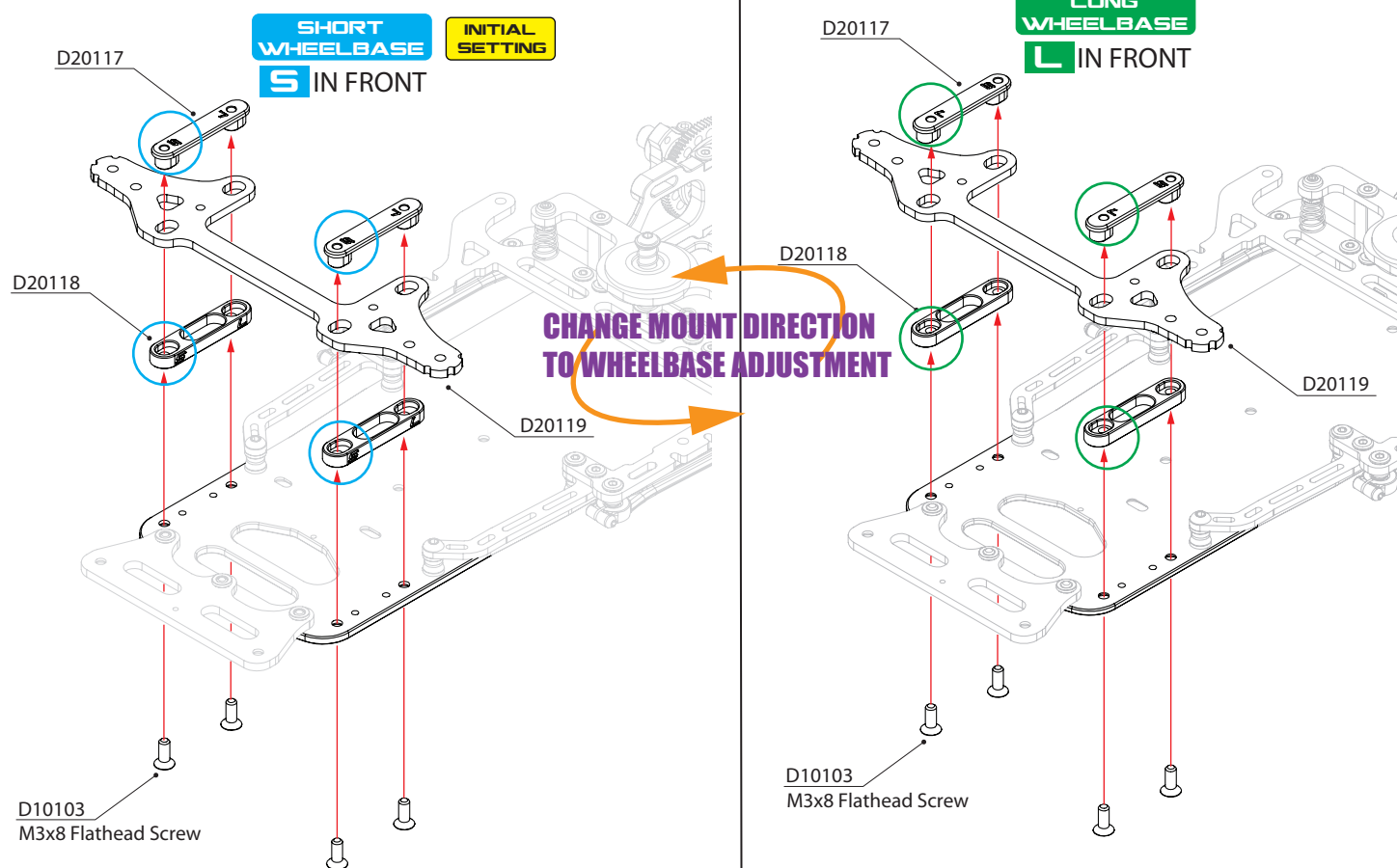
FRONT SUSPENSION

BAG C



14

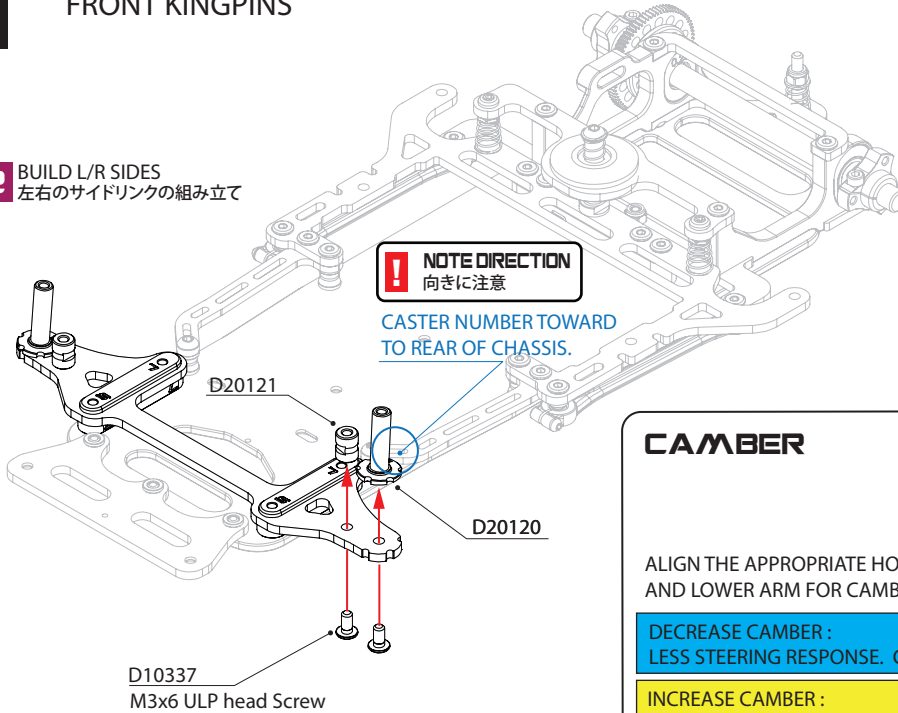
X2 BUILD L/R SIDES
左右のサイドリンクの組み立て



DF10050 M3 Aluminum Insert, Black
D10102 M3x6 Flathead Screw, 10 pcs
D10103 M3x8 Flathead Screw, 10 pcs

D20116 Graphite Front Lower Bumper
D20117 Aluminum Front Upper Block
D20118 Aluminum Front Lower Block
D20119 Graphite Front Lower Arm

X2 BUILD L/R SIDES
左右のサイドリンクの組み立て

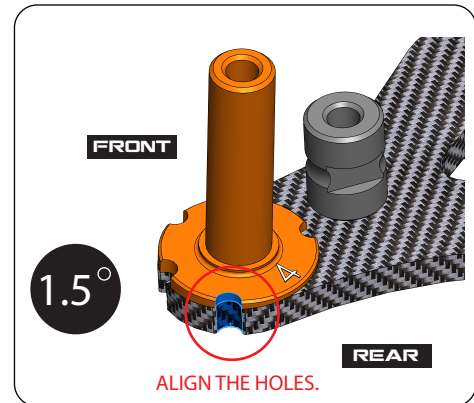
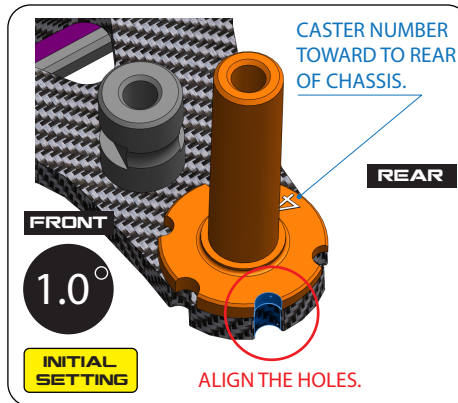
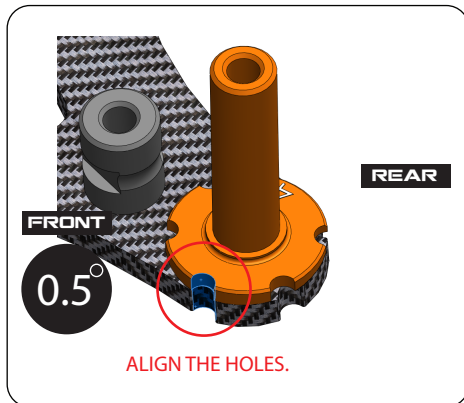
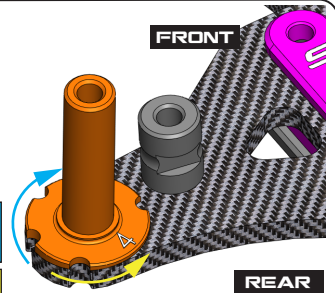


CAMBER

ALIGN THE APPROPRIATE HOLES OF KINGPIN AND LOWER ARM FOR CAMBER SETTINGS.

DECREASE CAMBER :
LESS STEERING RESPONSE. CAR MORE STABLE.

INCREASE CAMBER :
MORE STEERING RESPONSE.



CASTER

CASTER ADJUSTED BY DIFFERENT KINGPIN.

INCREASE CASTER :
MORE CORNERING SPEED, MAKE CAR MORE STABLE.

DECREASE CASTER :
MORE REACTIVE STEERING. MORE STEERING RESPONSE.

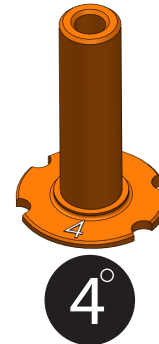
OPTION

O20128



KIT

D20120



OPTION

O20129



D10337 M3x6 ULP head Screw, 10 pcs

D20120 Aluminum King Pin, 4 Deg

D20121 Aluminum Standoff (8mm), 2 pcs

O20128 Aluminum King Pin, 3 Deg

OPTION

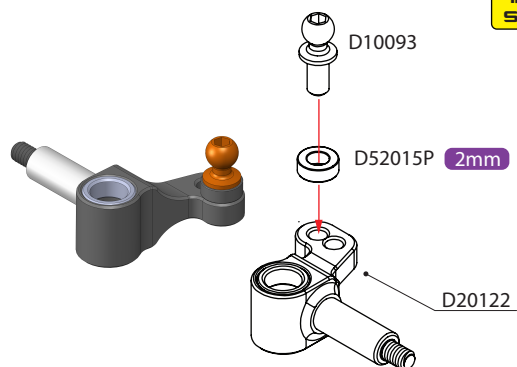
O20129 Aluminum King Pin, 5 Deg

OPTION

16

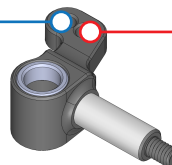
STEERING KNUCKLES INSTALLATION

STEERING LINK POSITION



INITIAL SETTING

INNER :
EASIER TO DRIVE, SMOOTH RESPONSE.



OUTER :
MORE AGGRESSIVE,
QUICK RESPONSE.

X2 BUILD L/R SIDES
左右のサイドリンクの組み立て

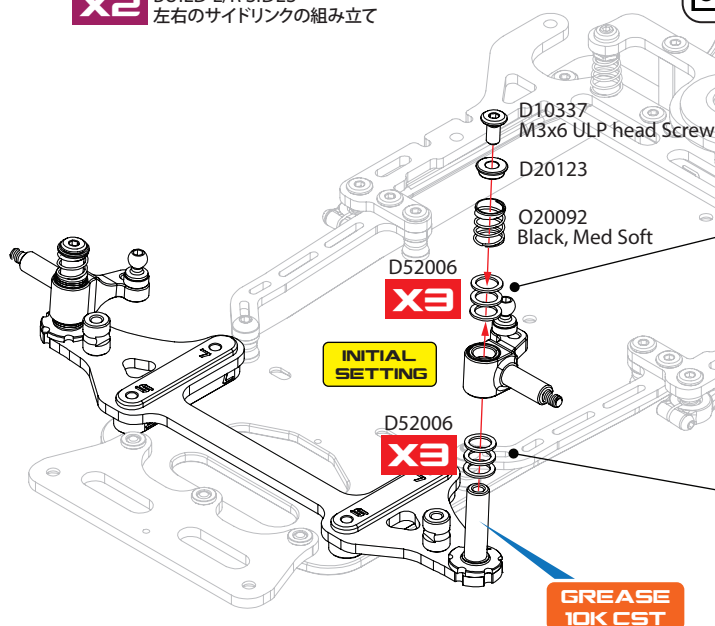
Part No.	Front & Center Damper Springs
D20070	Soft, Silver, 2 pcs
O20092	Med Soft, Black, 2 pcs
O20093	Med, Gold, 2 pcs
O20126	Hard, Zinc, 2 pcs

FRONT DROOP

ADD/REMOVE SHIMS ON STEERING KNUCKLE TO ADJUST THE FRONT DROOP. QUANTITY OF SHIMS ALSO RELATED TO FRONT RIDE HEIGHT.

MORE DROOP :
LESS SHIM MAKES MORE FRONT DROOP.
MORE FRONT ROLLING, LESS STEERING RESPONSE.
SUIT FOR LOW OR MED TRACTION TRACK.

LESS DROOP :
MORE SHIM MAKES DECREASE FRONT DROOP.
LESS FRONT ROLLING, QUICKER STEERING RESPONSE.
SUIT FOR HIGH TRACTION CARPET TRACK.



FRONT RIDE HEIGHT

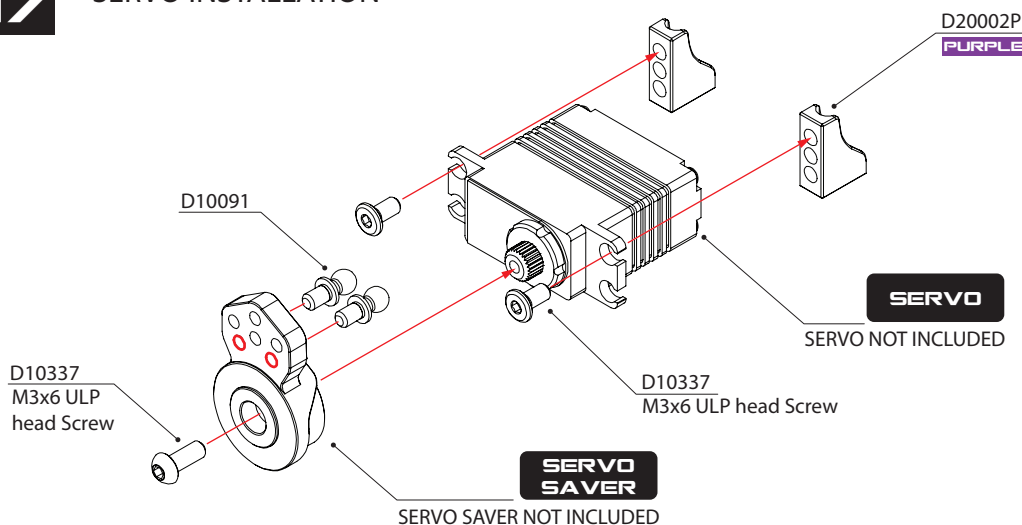
THICKNESS OF SHIMS UNDER THE STEERING KNUCKLE TO ADJUST THE FRONT RIDE HEIGHT. WE RECOMMEND TO CHANGE SHIMS POSITION (TOP/BOTTOM) ON STARTING SETTING. QUANTITY OF SHIMS ALSO RELATED TO FRONT DROOP.

MORE SHIM :
DECREASE RIDE HEIGHT.

LESS SHIM :
INCREASE RIDE HEIGHT.

17

SERVO INSTALLATION



OPTION

O20065
Alum Servo Saver Horn for Xray Saver (7.5)

D40006
Alum Servo Saver Horn for Xray Saver (7.0)

Two different steering links mount position, the 7.5mm gives less steering response while the 7mm increases.

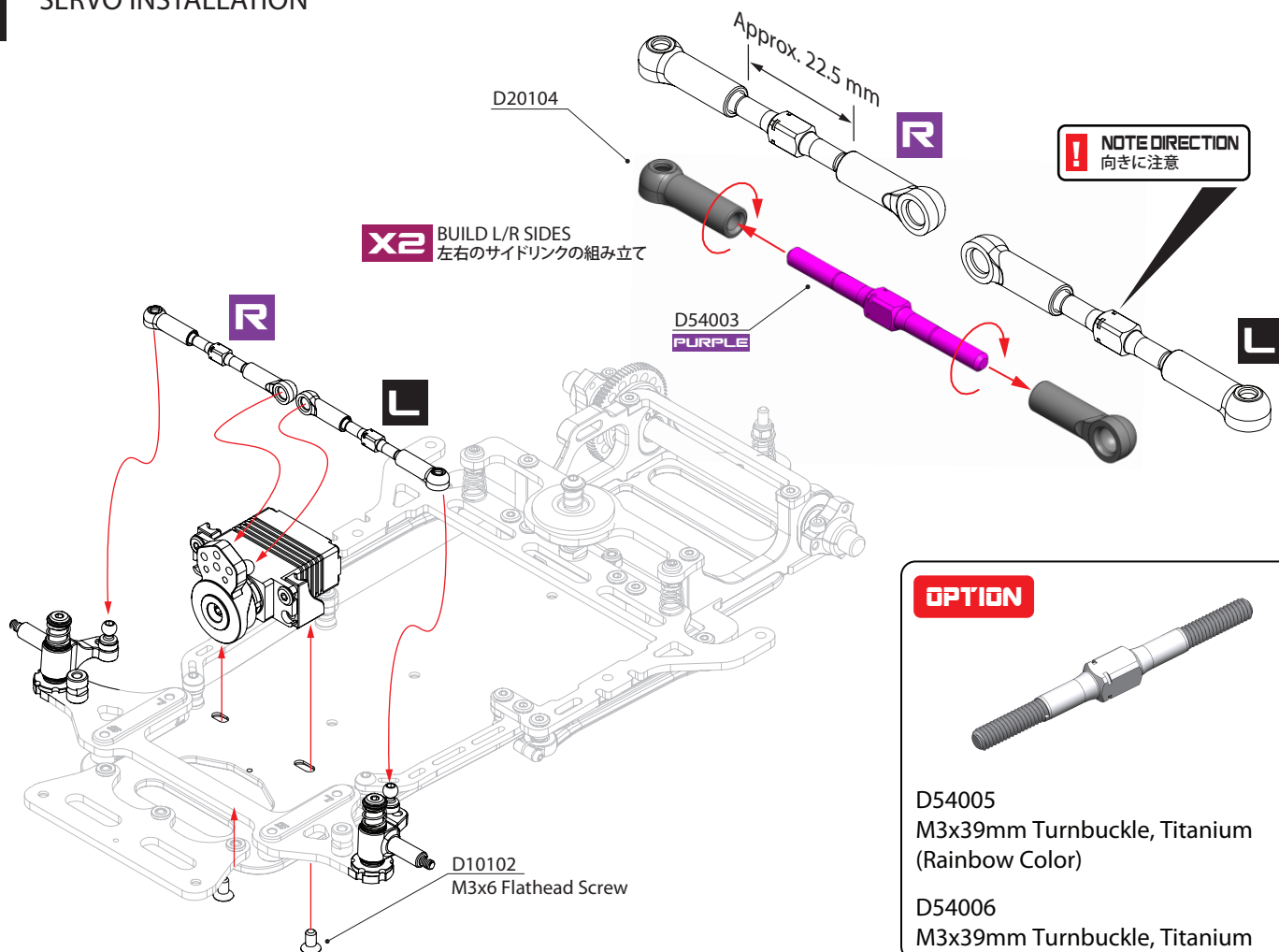


- D10091 Aluminum 4.3x10.8 Ballstud
- D10093 Aluminum 4.3x11.8 Ballstud
- D10337 M3x6 ULP head Screw, 10 pcs
- D20122 Steering Knuckle Set
- D20123 Aluminum Front Spring Washer, 2 pcs

- D20002P Aluminum Servo Mount, 2 pcs, Purple
- O20092 Front/Center Damper Spring, Med Soft, Black, 2 pcs
- D52006 5x7x0.5mm Spacer (Steel), 10 pcs
- D52015P 3x5.5x2mm Aluminum Spacer (Purple), 10 pcs

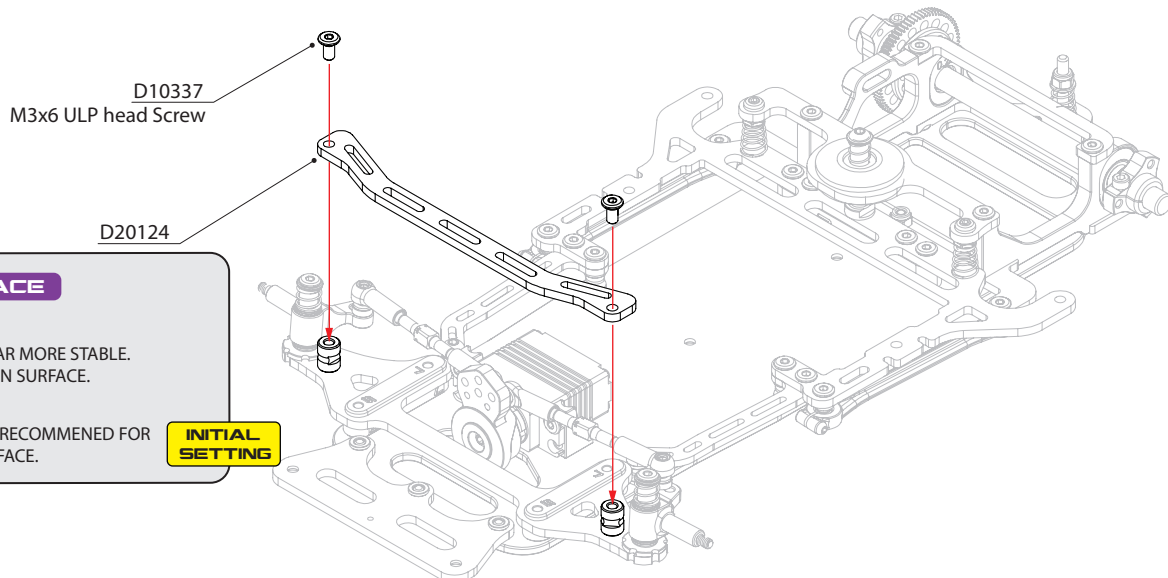
18

SERVO INSTALLATION



19

FRONT BRACE



FRONT CHASSIS BRACE

NO BRACE :

LESS STEERING RESPONSE, MAKE CAR MORE STABLE.
RECOMMENDED FOR LOW TRACTION SURFACE.

WITH BRACE :

MORE MORE STEERING RESPONSE. RECOMMENDED FOR
MEDIUM AND HIGH TRACTION SURFACE.

**INITIAL
SETTING**

- D10102 M3x6 Flathead Screw, 10 pcs
- D10337 M3x6 ULP head Screw, 10 pcs
- D20104 4.3x15mm Plastic Ball Cup, Long, 4 pcs
- D20124 Graphite Front Chassis Brace
- D54003 M3x39mm Turnbuckle, Aluminum, Purple

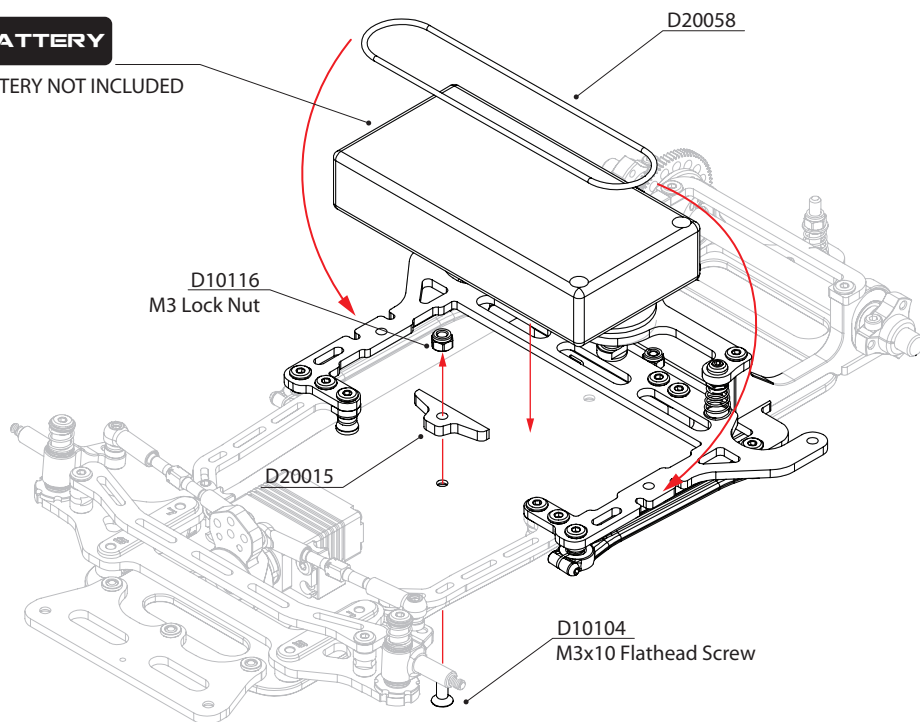
20

BATTERY INSTALLATION



BATTERY

BATTERY NOT INCLUDED



21

ELECTRIC ITEMS INSTALLATION

MOTOR

MOTOR NOT INCLUDED

PINON GEAR

PINON GEAR NOT INCLUDED

RECEIVER SPEEDO

RECEIVER & SPEEDO NOT INCLUDED

DOUBLE SIDE TAPE

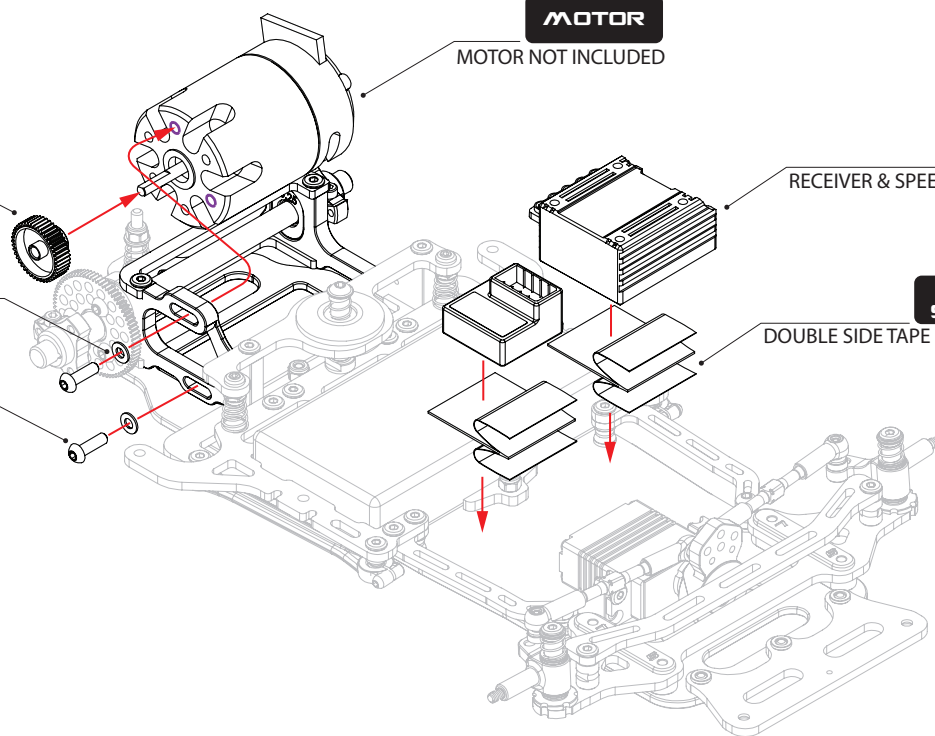
DOUBLE SIDE TAPE NOT INCLUDED

D10133
M3x8 Roundhead Screw

D10133

D10109

M3x8 Roundhead Screw



D10104 M3x10 Flathead Screw, 10 pcs
D10109 M3x8 Roundhead Screw, 10 pcs
D10116 M3 Lock Nut, 10 pcs
D10133 3mm Spacer (Steel), 10 pcs

D20015 Graphite Lipo Stop
D20058 Battery O ring, 3 pcs

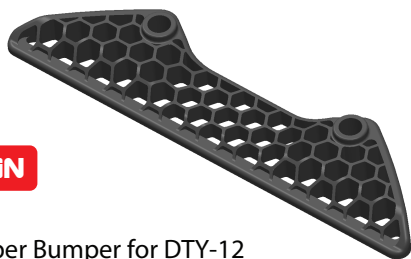
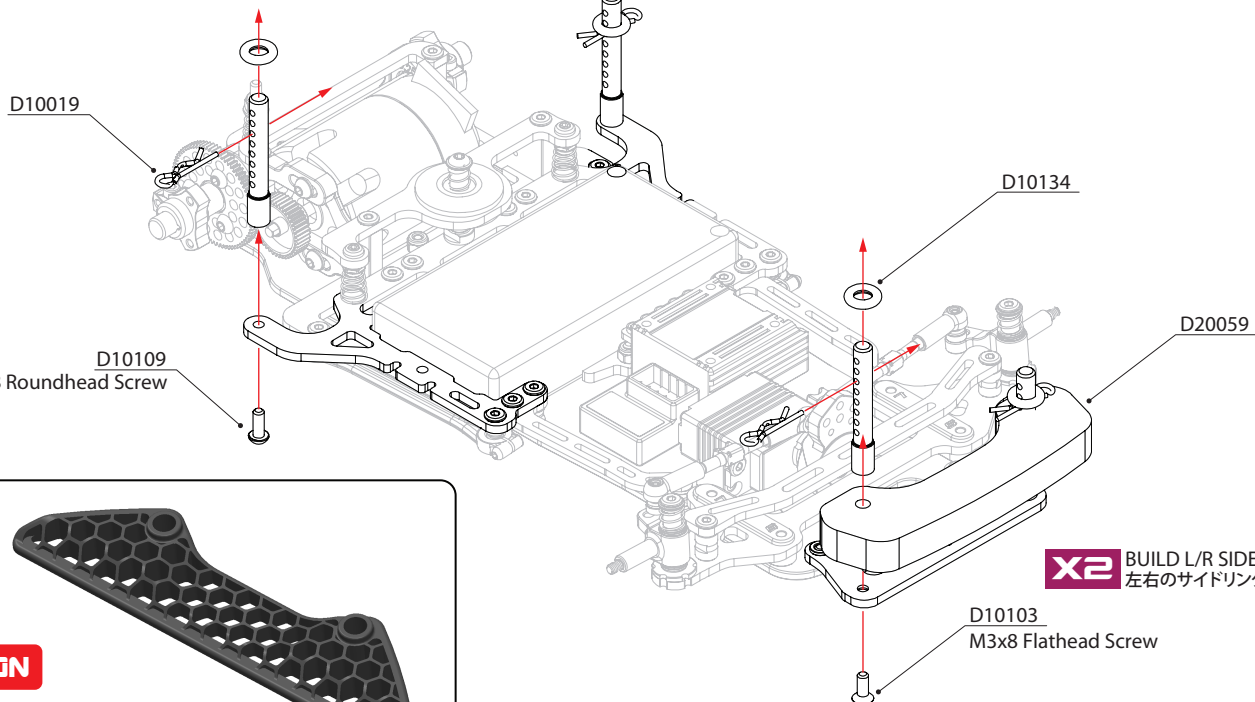
22

BODY POSTS INSTALLATION

X2

BUILD L/R SIDES

左右のサイドリンクの組み立て

D20019
Body Post, 2 pcs**OPTION**

O20127

3D Rubber Bumper for DTY-12

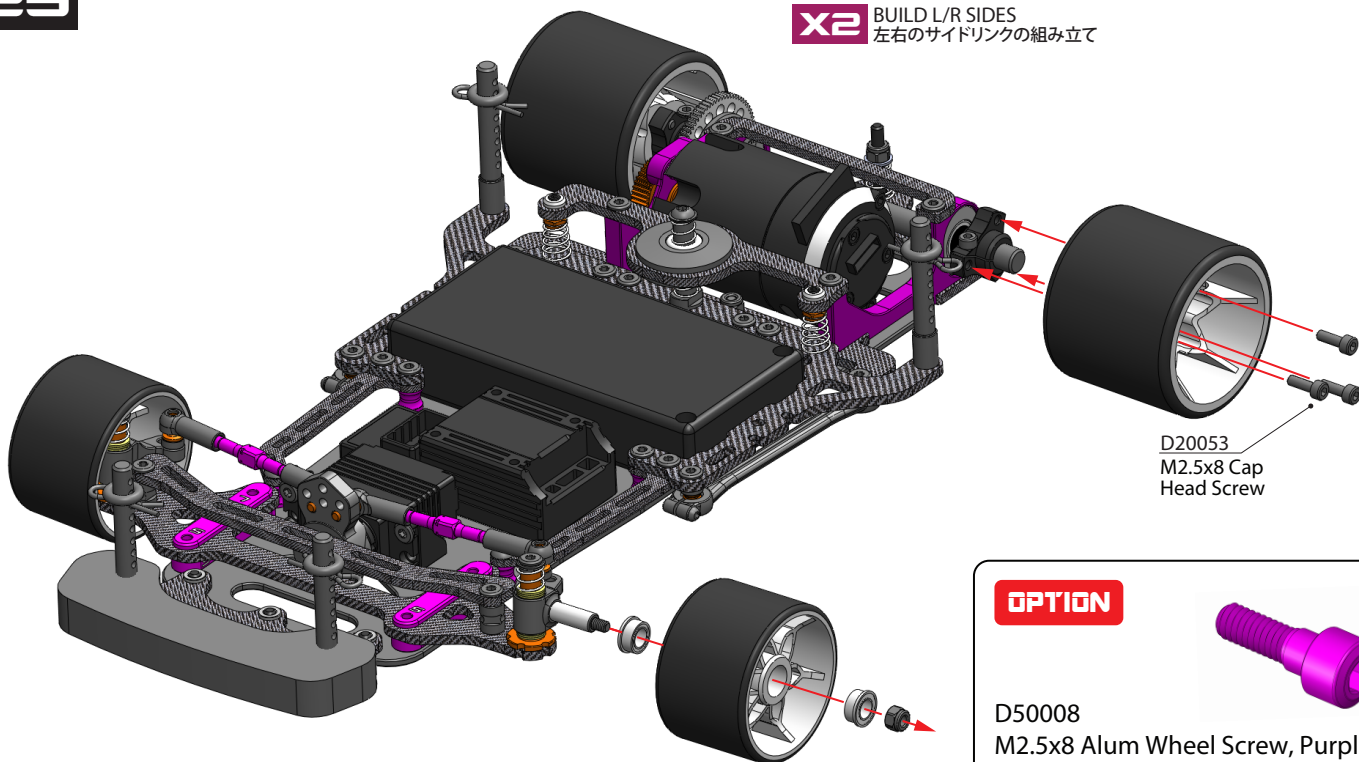
23

TIRES INSTALLATION

X2

BUILD L/R SIDES

左右のサイドリンクの組み立て

**OPTION**

D50008

M2.5x8 Alum Wheel Screw, Purple, 6 pcs

D10019 Body Clips
 D10103 M3x8 Flathead Screw, 10 pcs
 D10109 M3x8 Roundhead Screw, 10 pcs
 D10116 M3 Lock Nut, 10 pcs
 D10134 Body Cushions, 10 pcs

D20053 M2.5x8 Cap Head Screw, 10 pcs
 D20125 Urethane Foam Bumper, Hard
 D56001 Bearing, 3/16 x 5/16, Flanged, 2 pcs

DATE	/ /		TRACK			TRACTION	HIGH  LOW ☐ ☐ ☐ ☐ ☐	
DRIVER NAME			CONDITION	☐ CARPET ☐ ASPHALT		TEMP.	AIR TRACK	
EVENT			BEST LAP TIME			QUALIFYING POSITION		
						FINAL POSITION		

REAR DAMPER SPRING

☐ SOFT

☐ MEDIUM

☐ HARD

OTHERS _____

LENGTH _____ /mm

DOWN STOP _____ /mm

FRONT

REAR

UPRIGHT SPACER
mm

RIDE HEIGHT
/mm

PIVOT BALL SPACER
/mm

RIDE HEIGHT
/mm

RIDE HEIGHT
/mm

The diagram illustrates the side profile of a bicycle frame with various adjustment points highlighted. Red arrows point to specific locations on the frame, each corresponding to a label box. The 'FRONT' label is at the top left, and the 'REAR' label is at the top right. The 'UPRIGHT SPACER' label points to the top of the front fork. The 'RIDE HEIGHT' label appears four times, each pointing to a different location on the frame: the front fork, the bottom bracket, the rear dropouts, and the rear wheel hub. The 'PIVOT BALL SPACER' label points to the pivot ball on the rear dropout. Each label box contains a line for the user to enter a value in millimeters (mm).

FRONT SPRING

☐ SOFT
 ☐ MEDIUM

☐ HARD
 OTHERS _____

CASTER

☐ 3°
 ☐ 4°
 ☐ 5°

CAMBER

°

STEERING LINK

SHIMS シム

/mm
 /mm

WIDTH SPACERS

/mm

FRONT BRACE

☐ YES
 ☐ NO

KINGPIN OIL

/CST

Diagram illustrating the chassis components and measurement points:

- TOE ANGLE**: Indicated by a red arrow pointing to the front suspension assembly.
- ACKERMANN**: Indicated by a red arrow pointing to the front suspension assembly.
- POD LINK POSITION**: Indicated by a red arrow pointing to the pod link position on the front suspension.
- WIDTH 全幅**: Indicated by a red arrow pointing to the width measurement points on the front suspension.
- WHEELBASE**: Indicated by a red arrow pointing to the wheelbase measurement points.
- CHASSIS BRACE**: Indicated by a red arrow pointing to the chassis brace measurement points.

Technical drawing of a beam balance with three main adjustment areas:

- SIDE SPRING:** Includes checkboxes for SOFT, MEDIUM, and HARD, and a field for OTHERS.
- SIDE TUBE OIL:** A field for oil type and a unit field labeled /CST.
- LENGTH:** A field for length and a unit field labeled /mm.

Red arrows indicate the specific components being adjusted: the left side spring, the central pivot point, and the right side spring.

RIDE HEIGHT		☐ 0.00	DIFF SETTING	
		☐ -0.25	☐ SPOOL	
		☐ -0.50	☐ BALL DIFF	
		☐ -0.75		☐ TIGHT
		☐ -1.00		☐ MEDIUM
		☐ -1.25		☐ LOOSE
		☐ -1.50		
		☐ -1.75		
		☐ -2.00		
AXLE POSITION ☐ UP ☐ DOWN				

FRONT	REAR
TIRE 	TIRE
DIAMETER /mm	DIAMETER /mm
ADDITIVE 	ADDITIVE
ADDITIVE TIME /MINS	ADDITIVE TIME /MINS
ADDITIVE AREA 	ADDITIVE AREA

MOTOR		TURN		ROTOR		/mm	MOTOR TIMING		°
PINON GEAR		T	SPUR GEAR		T	FINAL RATIO		ROLLOUT	

ESC		SETUP	
BATTERY		BODY	
		TOTAL WEIGHT	
			/gram

MEMO	
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The background of the entire image is a dynamic, stylized illustration of a grey rock shattering into numerous sharp, dark grey fragments that are flying outwards from the center. The fragments vary in size and shape, creating a sense of intense impact and motion.

ROCHE

ROCHE PRODUCTS INTERNATIONAL

DESTINY

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