

DTY-1/12 R

1/12 SCALE COMPETITION PAN CAR KIT

MANUFACTURED BY

ROCKE

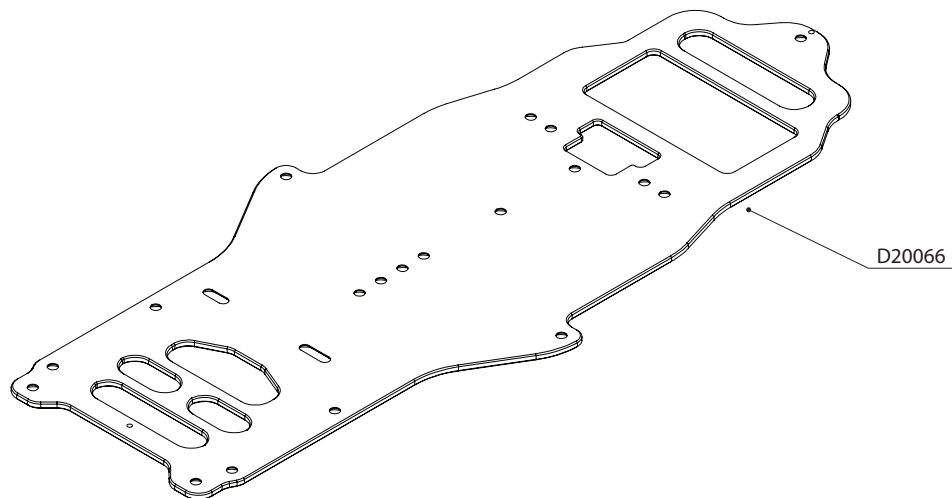
**INSTRUCTION
MANUAL**

1 CHASSIS PREPARATION

シャーシの準備

DESTINY

1



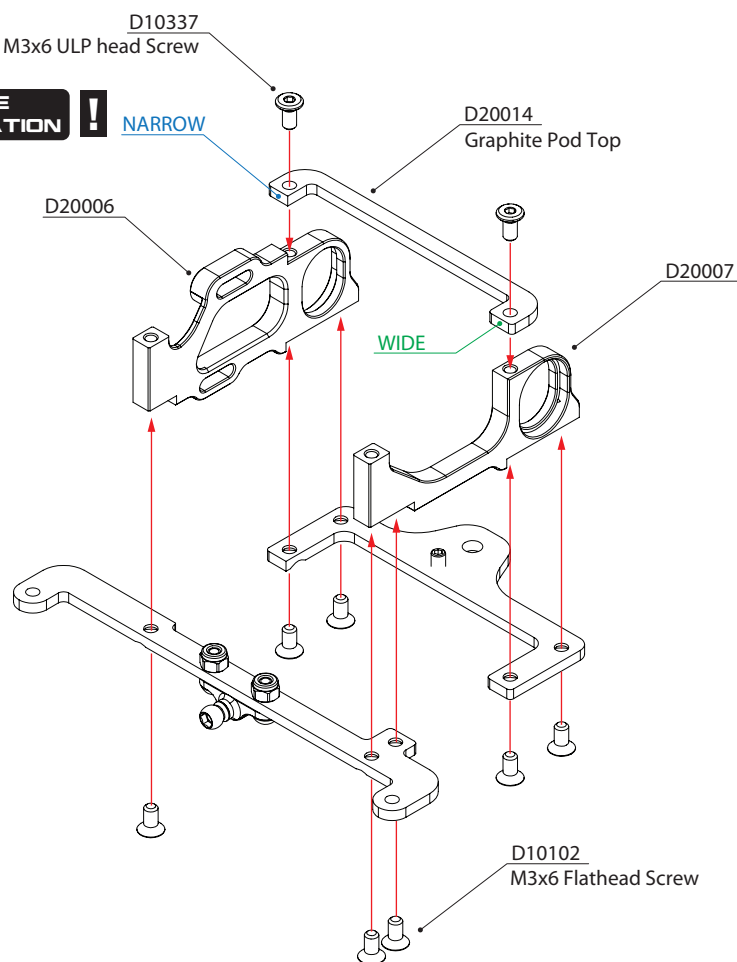
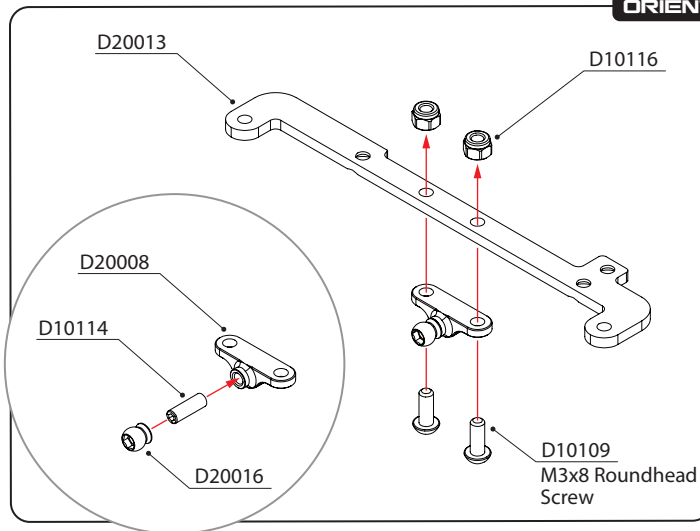
2 PIVOT BLOCK AND REAR BULKHEAD

BAG A

NOTE ORIENTATION !

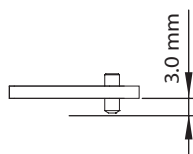
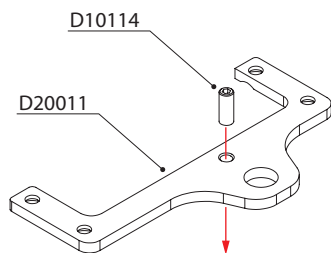
NARROW

WIDE



REAR DOWN STOP

- LESS DOWN STOP : EASIER TO DRIVE, MORE STABLE.
- MORE DOWN STOP : MORE AGGRESSIVE, MORE CORNER SPEED.



D20066 2.0mm Aluminum Main Chassis
D20006 Aluminum Motor Mount
D20007 Aluminum Left Bulkhead
D20008 Aluminum Ball Block
D20011 Graphite Pod Base

D20013 Graphite Pod Front
D20016 Aluminum 5mm Pivot Ball, 5 pcs
D10109 M3x8 Roundhead Screw, 10 pcs
D10114 M3x8 Set Screw, 10 pcs
D10116 M3 Lock Nut, 10 pcs

1

3

PIVOT BLOCK AND REAR BULKHEAD

D20036
M3 Nut, Thin

D20035
M3x25 Flathead Screw

4

MOVE FREELY !
ENSURE SUSPENSION
MOVE FREELY.

D20009

O20064

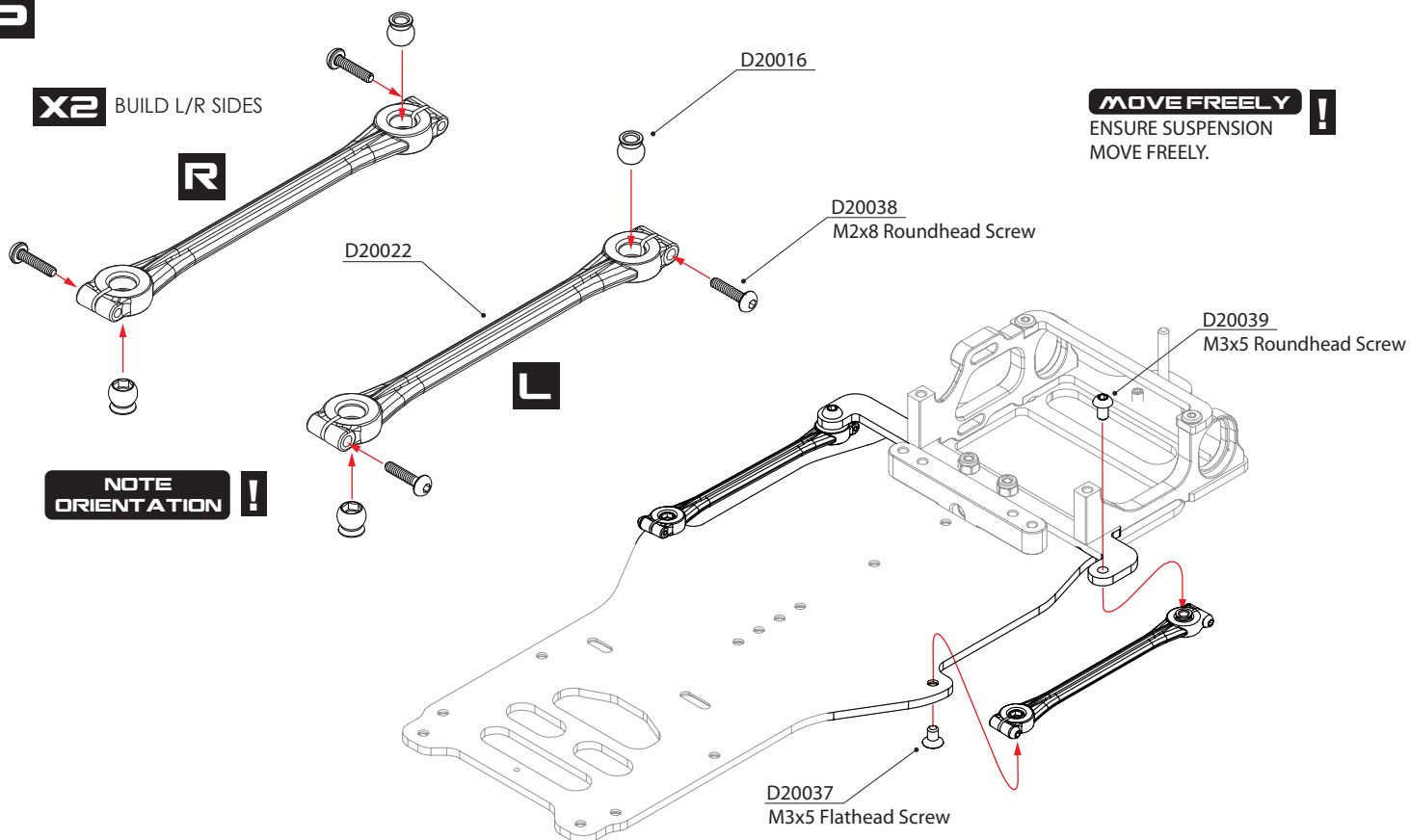
**DO NOT OVER
TIGHTEN**

D10102
M3x6 Flathead Screw

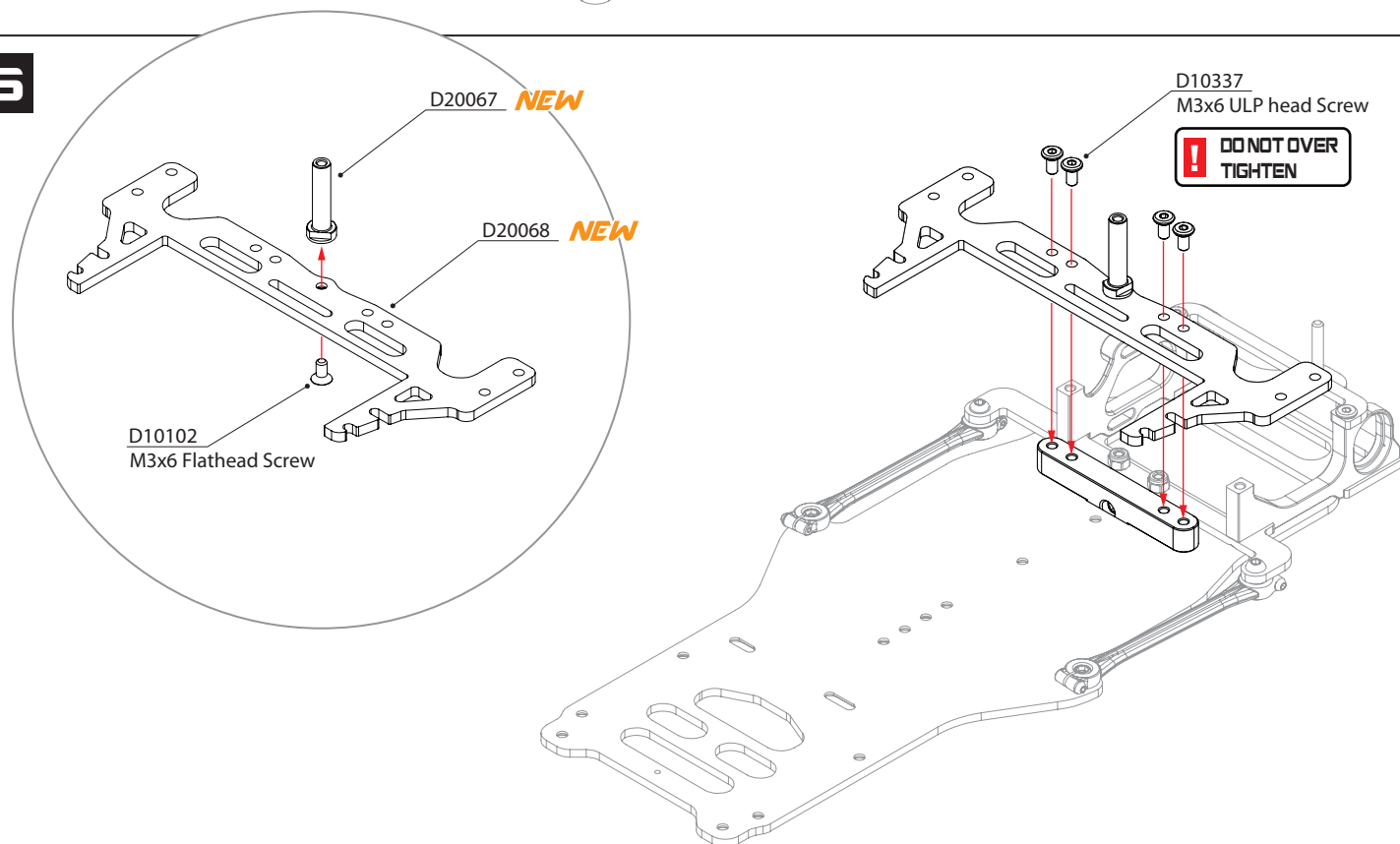
- D10102 M3x6 Flathead Screw, 10 pcs
- D20009 Pivot Block (Derlin)
- D20035 M3x25 Flathead Screw, 5 pcs
- D20036 M3 Nut, Thin, 10 pcs
- D20041 Rear Spring Adjuster Set

- O20064 0.5mm Spacers for Aluminum Main Chassis

5

X2 BUILD L/R SIDES**R****L****MOVE FREELY !**ENSURE SUSPENSION
MOVE FREELY.

6

D20067 **NEW**D20068 **NEW**D10102
M3x6 Flathead ScrewD10337
M3x6 ULP head Screw**DO NOT OVER
TIGHTEN**

D10102 M3x6 Flathead Screw, 10 pcs
 D10337 M3x6 ULP head Screw, 10 pcs
 D20016 Aluminum 5mm Pivot Ball, 5 pcs
 D20022 Short Pod Link
 D20037 M3x5 Flathead Screw, 10 pcs

D20038 M2x8 Roundhead Screw, 10 pcs
 D20039 M3x5 Roundhead Screw, 10 pcs
 D20067 Damper Post
 D20068 Graphite Lipo Brace

7

REAR DAMPER

X2 BUILD L/R SIDES

D20069

NEW

NOTE !

RECOMMENDED TO MAKE
A M3X0.5 THREAD AS
EASIER TO INSTALL THE
SET SCREW.

D20026

D20027
Med (Gold)

D10114

1.5mm

NEW D20070
Soft (Silver)

D10107

D10133

D20018
O ring

D20020

D10337
M3x6 ULP head Screw

NOTE !

FILL LITTLE 5,000 CST
OIL ON SURFACE OF
FLAT DAMPER DISC.

D20070 **NEW**

8

NEW D20071
Rear Spring Adjuster Set

D20029
Side Springs, Hard (Pink)

22mm

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
D20069 Graphite Damper Plate
D20070 Center Damper Spring, Soft, 2 pcs

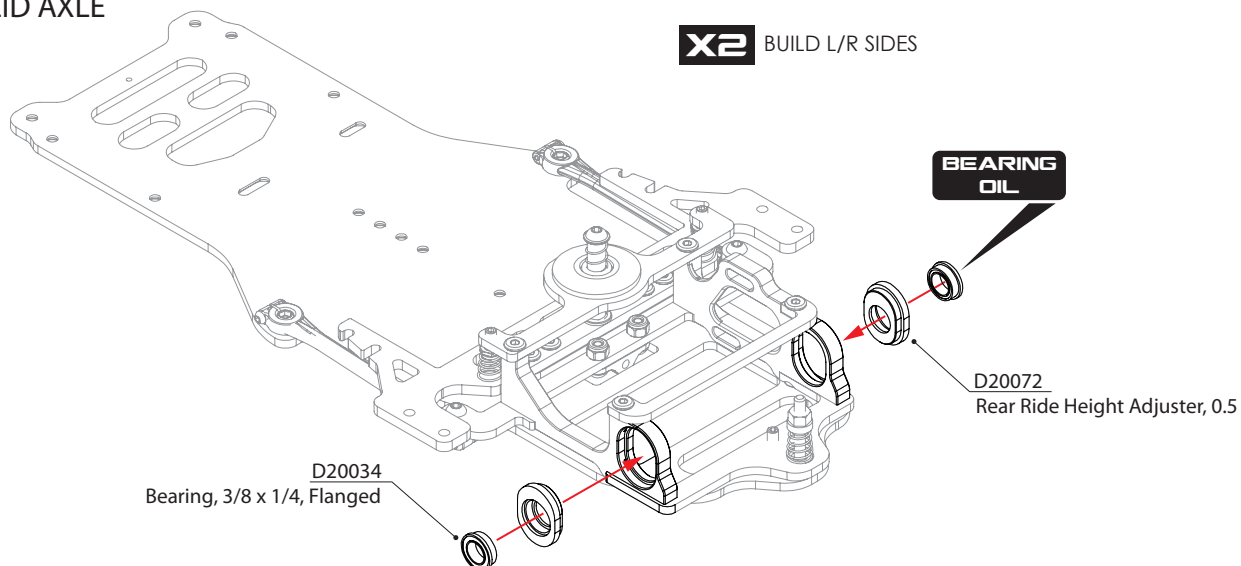
REAR SOLID AXLE

X2

BUILD L/R SIDES

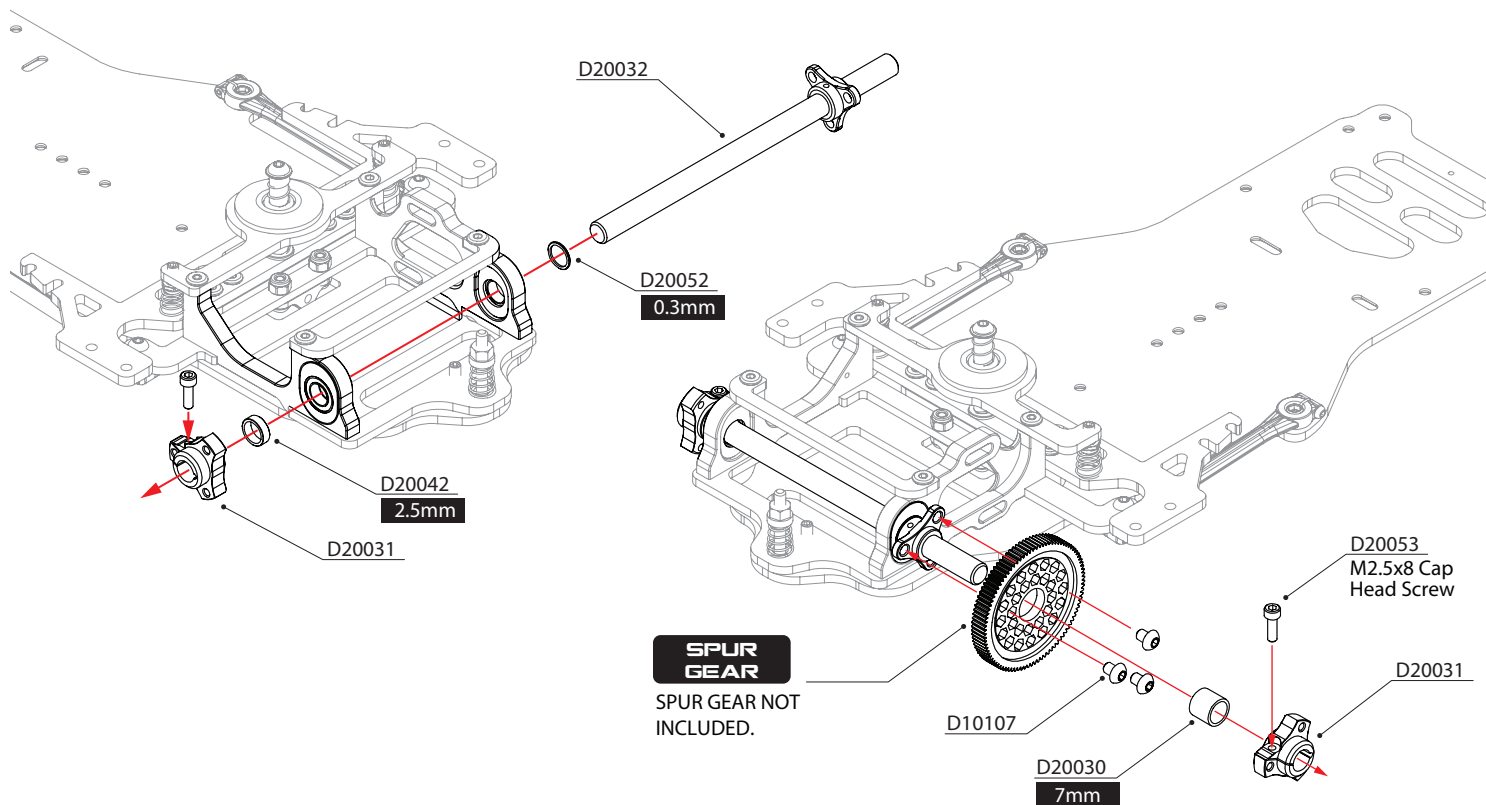
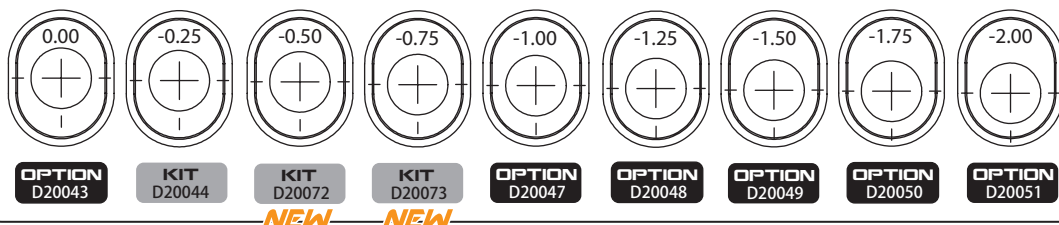
BAG

B



AXLE HEIGHT ADJUSTER

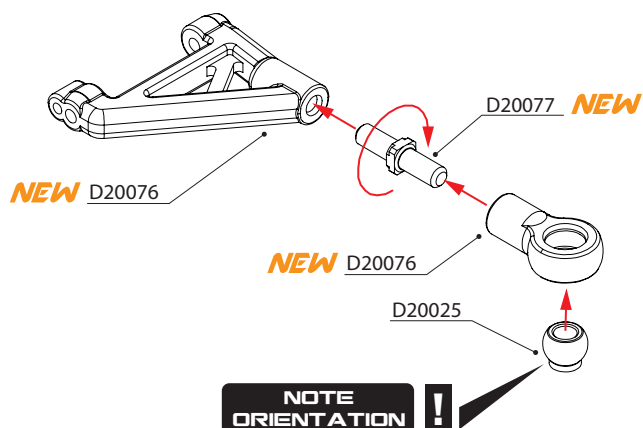
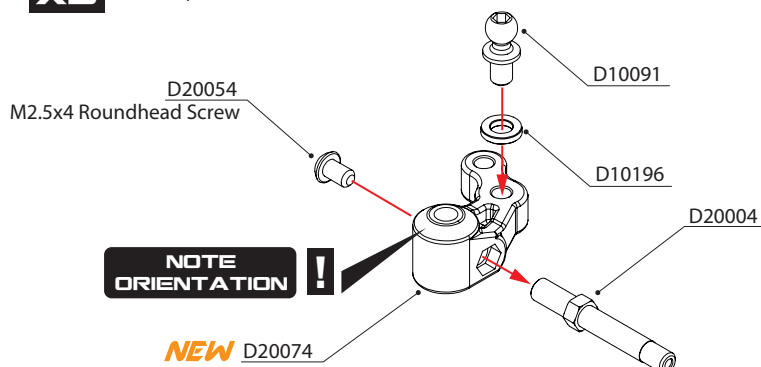
0.25mm per step fine ride height adjustment



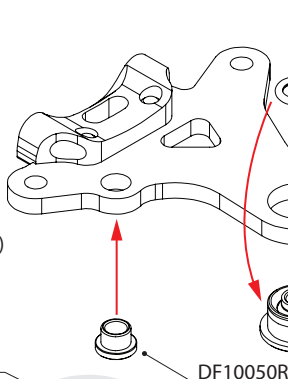
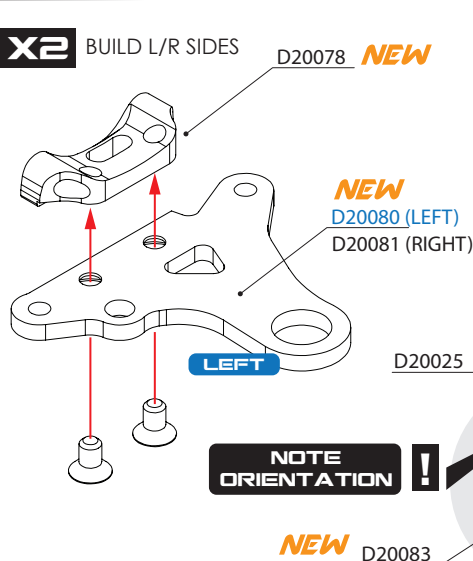
D10107 M3x4 Roundhead Screw, 10 pcs
 D20030 Rear Axle Spacer, 7mm
 D20031 Aluminum Wheel Hub, Left
 D20032 Carbon Solid Axle
 D20034 Bearing, 3/8 x 1/4, Flanged, 2 pcs

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

X2 BUILD L/R SIDES

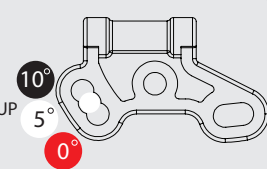


X2 BUILD L/R SIDES

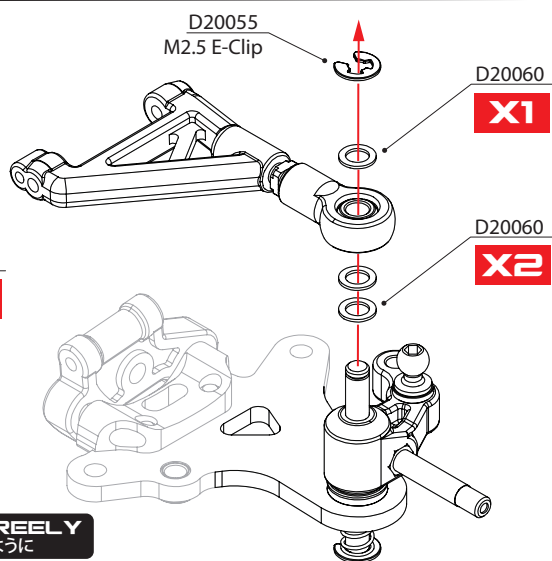
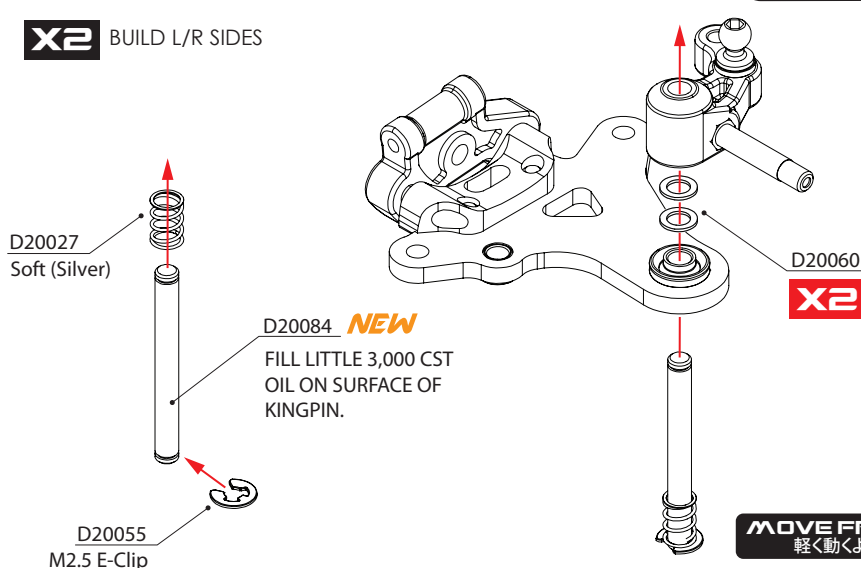


CASTER

- INCREASE ANGLE WILL GIVE MORE ENTRY STEERING, LESS MID-CORNER STEERING.
- 5 DEGREE REACTIVE CASTER IS THE BASIC SETUP
- LESS ANGLE WILL MAKE MORE CONSISTANT THROUGH THE CORNER.



X2 BUILD L/R SIDES



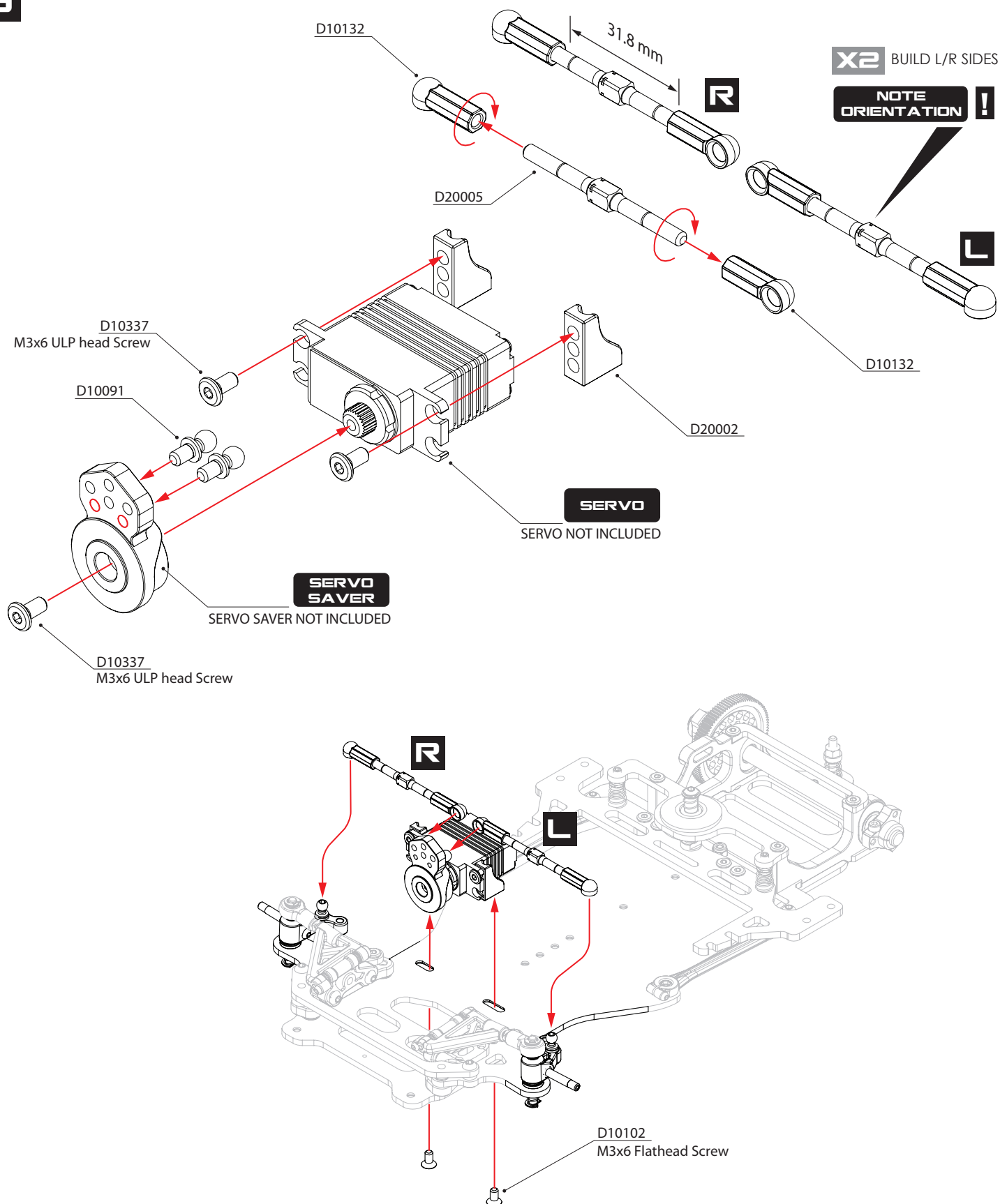
MOVE FREELY
軽く動くように

- D10091 Aluminum 4.3x10.8mm Ballstud, 6 pcs
- D10196 3x5.5x1.0mm Aluminum Spacer (Black), 10 pcs
- D20004 Stub Axle, 2 pcs
- D20025 Pivot Balls, Front Suspension, 4 pcs
- D20028 Front Springs, Soft, 2 pcs
- D20074 Steering Knuckle Set
- D20075 Upper Arm Caster Block Set

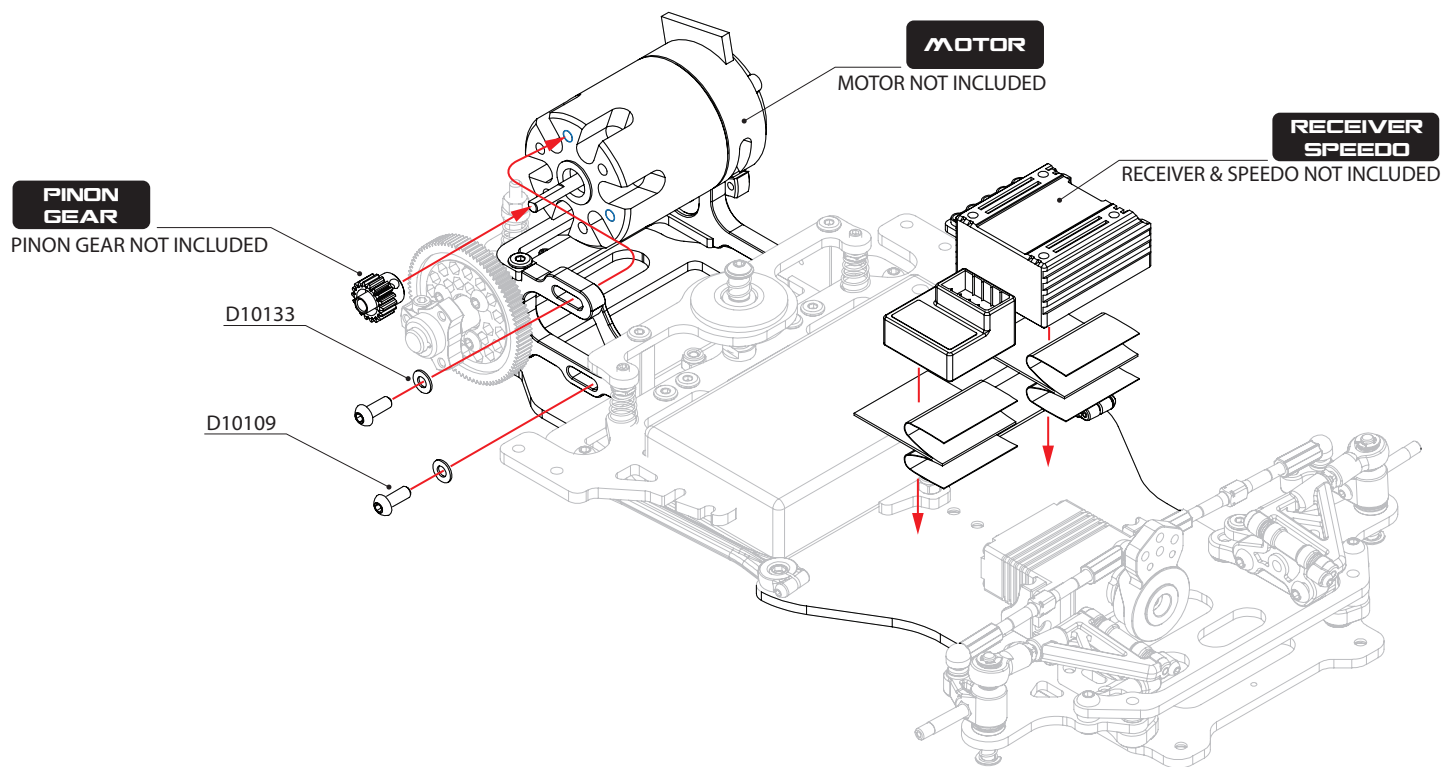
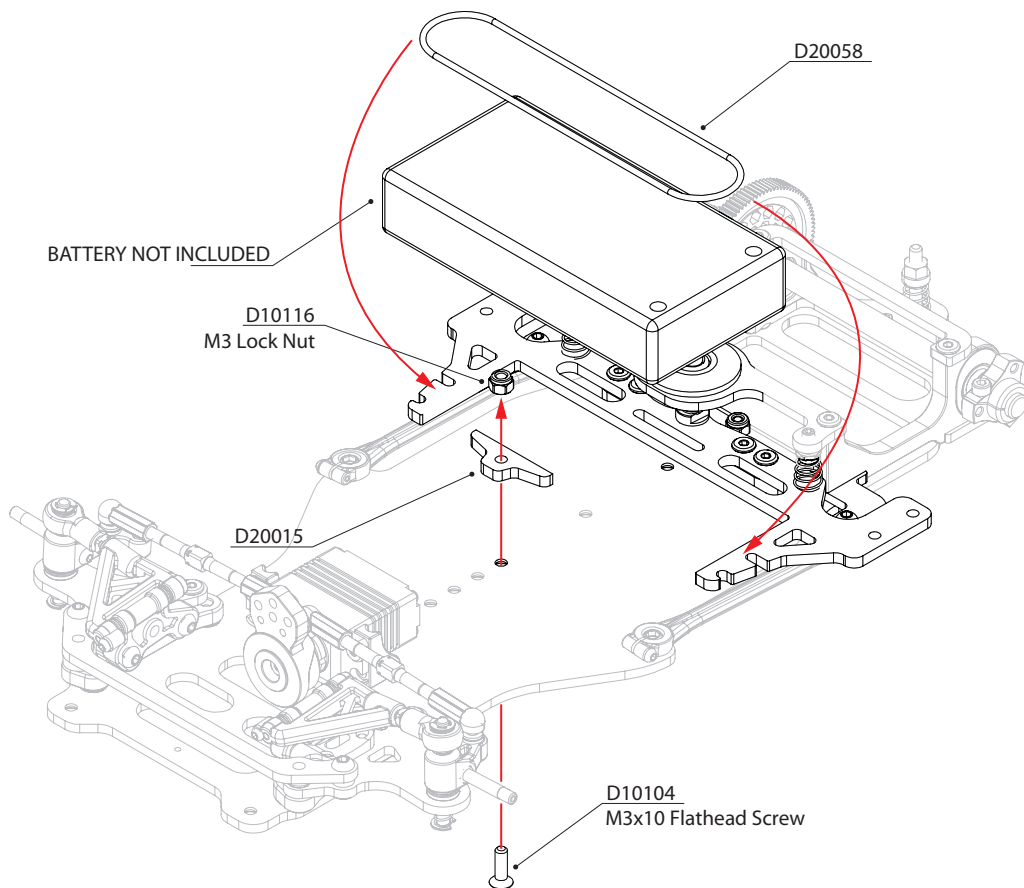
- D20076 Upper Arm & Ball End Set
- D20077 M3x15 Turnbuckle (Steel), 2 pcs
- D20078 Aluminum Front Upper Bulkhead, Black
- D20082 7x5x1 O-ring, 10pcs
- D20084 Kingpin, 2 pcs
- D20083 Pivot Ball Bushing Set, 2 pcs

13

SERVO INSTALLATION



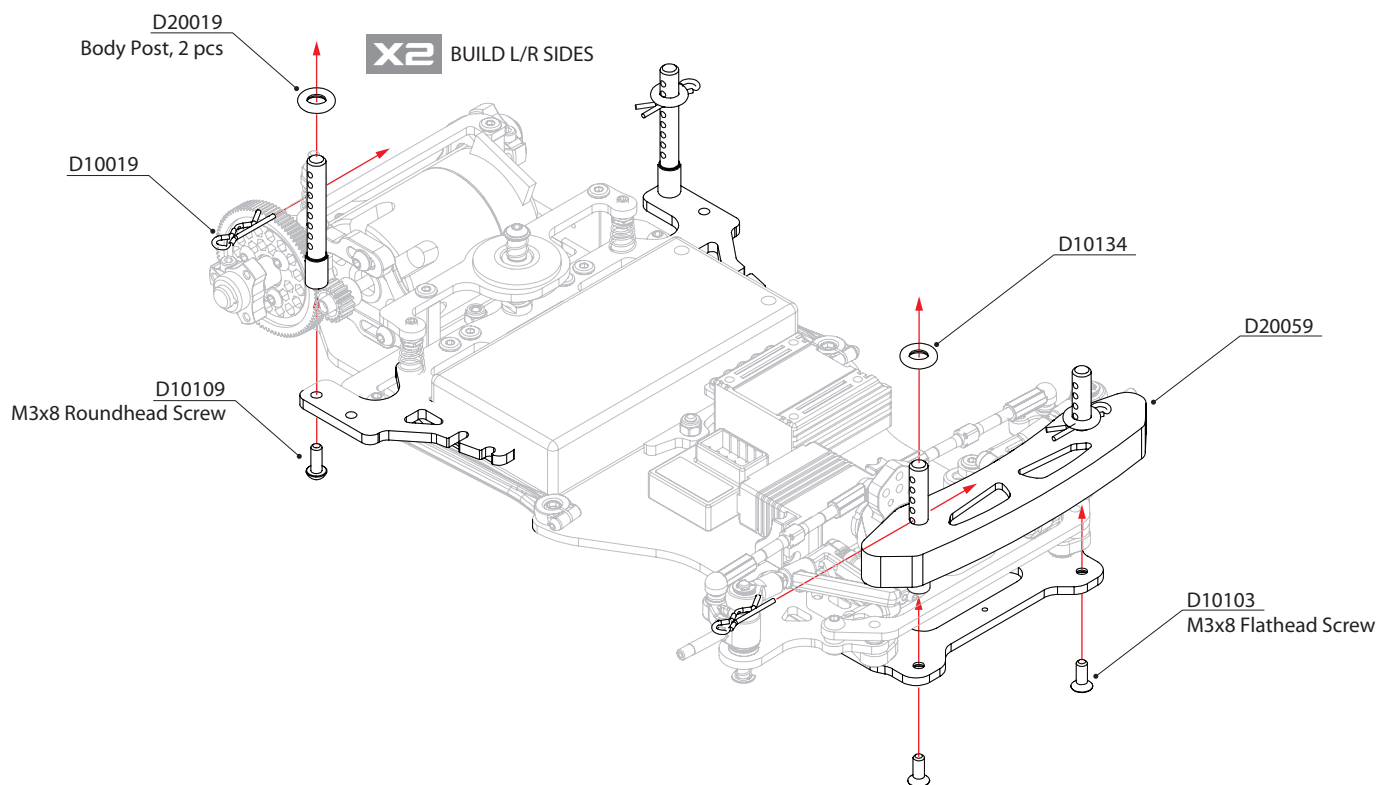
- | | |
|--------|--|
| D10091 | Aluminum 4.3x10.8 Ballstud |
| D10132 | Plastic Ball Cups (4.3x13mm), 4 pcs |
| D10337 | M3x6 ULP head Screw, 10 pcs |
| D20002 | Aluminum Servo Mount |
| D20005 | Aluminum 42mm Turnbuckle, Black, 2 pcs |



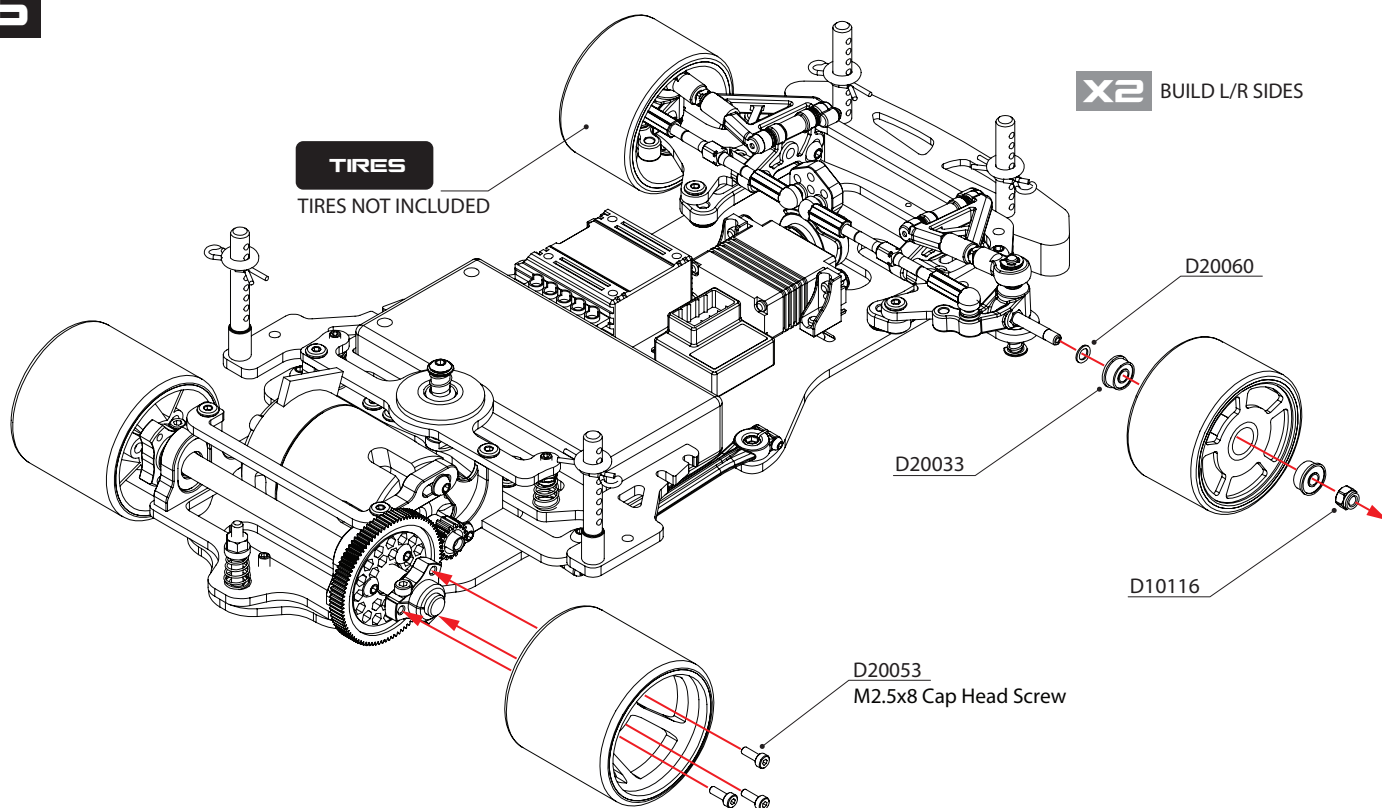
- D10116 M3 Lock Nut, 10 pcs
- D20015 Graphite Lipo Stop
- D10104 M3x10 Flathead Screw, 10 pcs
- D20058 Battery O ring, 3 pcs

- D10109 M3x8 Roundhead Screw, 10 pcs
- D10133 3mm Spacer (Steel), 10 pcs

15



16



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

D20033 Bearing 1/8 x 5/16, Flanged, 2 pcs
 D20053 M2.5x8 Cap Head Screw, 10 pcs
 D20059 Urethane Foam Bumper
 D20060 Kingpin Shim, M3.2x0.4, 10 pcs

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

REAR DAMPER SPRING

☐ SOFT

☐ MEDIUM

☐ HARD

OTHERS _____

LENGTH _____ /mm

DOWN STOP _____ /mm

The diagram illustrates the chassis of a vehicle with four height adjustment points marked by red arrows and labels:

- FRONT:**
 - RIDE HEIGHT:** Indicated by a red arrow pointing to the front suspension assembly. The label box contains a blank space for the value and "/mm".
 - PIVOT BALL SPACER:** Indicated by a red arrow pointing to the pivot ball spacer. The label box contains "FR" and "RR/mm".
 - RIDE HEIGHT SPACER:** Indicated by a red arrow pointing to the ride height spacer. The label box contains a blank space for the value and "mm".
- REAR:**
 - RIDE HEIGHT:** Indicated by a red arrow pointing to the rear suspension assembly. The label box contains a blank space for the value and "/mm".

FRONT SPRING

☐ SOFT
 ☐ MEDIUM

☐ HARD
 OTHERS _____

CAMBER

CASTER /mm

SPACERS

/mm

SHIMS シム

/mm

/mm

/mm

WIDTH SPACERS

/mm

FRONT BRACE

☐ YES
 ☐ NO

KINGPIN OIL

/CST

Technical drawing of a vehicle chassis showing dimensions and components. The drawing includes the following labels and dimensions:

- 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.
- BATTERY POSITION**: Indicated by a red arrow pointing to the battery location on the chassis.
- WIDTH 全幅**: Indicated by a red arrow pointing to the overall width of the chassis.
- WIDTH 全幅**: Indicated by a red arrow pointing to the overall width of the chassis.

SIDE SPRING

☐ SOFT ☐ MEDIUM

☐ HARD

OTHERS _____

SIDE TUBE OIL

_____/CST

LENGTH

_____/mm

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

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

MOTOR			TURN		ROTOR		/mm	MOTOR TIMING		°	
PINON GEAR		T	SPUR GEAR		T	FINAL RATIO		ROLLOUT			
ESC			SETUP								
BATTERY			BODY				TOTAL WEIGHT				/grams

MEMO	
------	--

The background of the entire image is a dynamic, stylized illustration of a grey rock shattering into numerous sharp, dark grey fragments. These fragments are scattered across the frame, with some larger pieces at the top and bottom edges, and many smaller, more numerous pieces in the center. The overall effect is one of intense impact and destruction.

ROCHE

ROCHE PRODUCTS INTERNATIONAL

DESTINY

WWW.ROCHERC.COM