



SPECTER 700

MANUAL

ROCK YOUR DREAM

IMPORTANT NOTES:

- *THIS RADIO CONTROLLED HELICOPTER IS NOT A TOY.
- *THIS RADIO CONTROLLED HELICOPTER CAN BE VERY DANGEROUS.
- *THIS RADIO CONTROLLED HELICOPTER IS A TECHNICALLY COMPLEX DEVICE WHICH HAS TO BE BUILT AND HANDLED VERY CAREFULLY.
- *THIS RADIO CONTROLLED HELICOPTER MUST BE BUILT FOLLOWING THESE INSTRUCTIONS. THIS MANUAL PROVIDES THE NECESSARY INFORMATION TO CORRECTLY ASSEMBLE THE MODEL. IT IS NECESSARY TO CAREFULLY FOLLOW ALL THE INSTRUCTIONS.
- *INEXPERIENCED PILOTS MUST BE MONITORED BY EXPERT PILOTS.
- *A RADIO CONTROLLED HELICOPTER MUST ONLY BE USED IN OPEN SPACES WITHOUT OBSTACLES, AND FAR ENOUGH FROM PEOPLE TO MINIMIZE THE POSSIBILITY OF ACCIDENTS OR OF INJURY TO PROPERTY OR PERSONS.
- *A RADIO CONTROLLED HELICOPTER CAN BEHAVE IN AN UNEXPECTED MANNER, CAUSING LOSS OF THE MODEL, MAKING IT VERY DANGEROUS.
- *LACK OF CARE WITH ASSEMBLY OR MAINTENANCE CAN RESULT IN AN UNRELIABLE AND DANGEROUS MODEL.

NEITHER XLPOWER NOR ITS AGENTS HAVE ANY CONTROL OVER THE ASSEMBLY, MAINTENANCE AND USE OF THIS PRODUCT. THEREFORE, NO RESPONSIBILITY CAN BE TRACED BACK TO THE MANUFACTURER. YOU HEREBY AGREE TO RELEASE XLPOWER FROM ANY RESPONSIBILITY OR LIABILITY ARISING FROM THE USE OF THIS PRODUCT.

SAFETY GUIDELINES:

- *FLY ONLY IN AREAS DEDICATED TO THE USE OF MODEL HELICOPTERS.
- *FOLLOW ALL CONTROL PROCEDURES FOR THE RADIO FREQUENCY SYSTEM.
- *IT IS NECESSARY THAT YOU KNOW YOUR RADIO SYSTEM WELL. CHECK ALL FUNCTIONS OF THE TRANSMITTER BEFORE EVERY FLIGHT.
- *THE BLADES OF THE MODEL ROTATE AT A VERY HIGH SPEED; BE AWARE OF THE DAMAGE THEY MAY CAUSE.
- *NEVER FLY IN THE VICINITY OF OTHER PEOPLE.



SPECIFICATION:

LENGTH:	1 3 0 0 M M
WIDTH:	1 3 4 M M
HEIGHT:	3 7 6 M M
MAIN ROTOR BLADES:	6 8 5 - 7 1 6 M M
TAIL ROTOR BLADES:	1 0 5 - 1 1 5 M M
MOTOR PINION:	1 1 T I N C L U D E D ; 1 0 , 1 2 O P T I O N A L
MAIN GEAR:	1 0 6 T
TAIL PINION:	1 7 T
AUTOROTATION GEAR:	8 0 T
MAIN TO TAIL GEAR RATIO:	4 . 7
RTF WEIGHT:	4 9 0 0 G - 5 3 0 0 G
MAIN SHAFT DIAMETER:	1 5 M M
FEATHERING SHAFT DIAMETER:	1 0 M M
TAIL BOOM DIAMETER:	2 7 M M
BATTERY TRAY SIZE:	L : 3 5 0 M M W : 6 6 M M H : 7 0 M M (1 2 s - 1 4 s)



! APPLY A LITTLE AMOUNT OF 243 THREADLOCK WHEN FIXING A METAL PART

BAGS:

HB-1

HB-1-1

HB-1-2

HB-1-4

HB-1-5

HB-1-6

THRUST BEARING



INSIDE



OUTSIDE

APPLY GREASE

CUSTOMISABLE

INNER HOLE: AGILE



OUTER HOLE: STABLE

PITCH ARM

BEARING
10x19x7

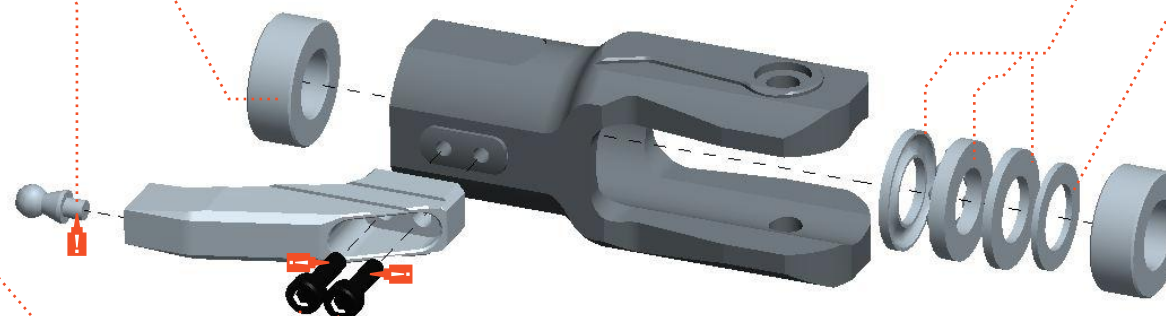
LINKAGE BALL
5x10.6

SCREW
M3x10

THRUST BEARING
10x18x5.5

WASHER
10x16x1

BEARING
10x19x7



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

HB-1

HB-1-1

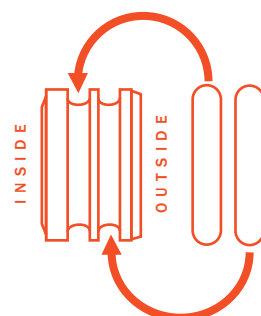
HB-1-2

HB-1-4

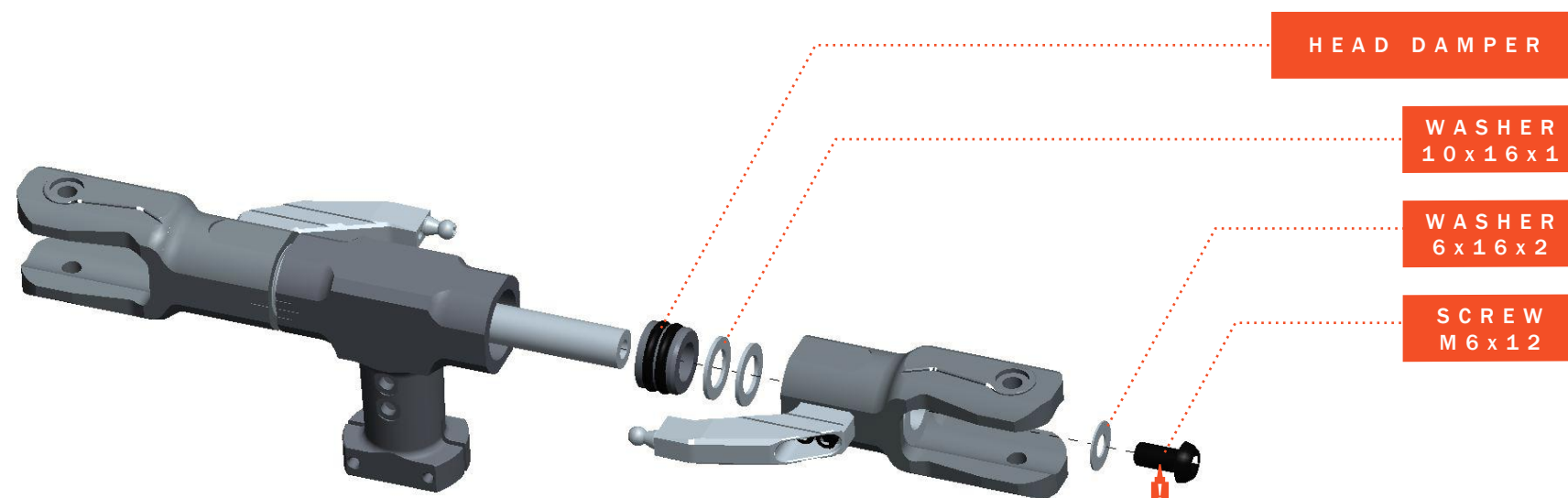
HB-1-5

HB-1-6

PUT THE O-RINGS



ONTO THE DAMPER



THE BLADE GRIPS MUST MOVE FREELY
BUT THEY SHOULD NOT MOVE JUST
FROM THEIR OWN WEIGHT

ADD MORE 0.1MM SHIMS
IF PRELOAD CHANGED
HB-1-6

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243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

HB-1

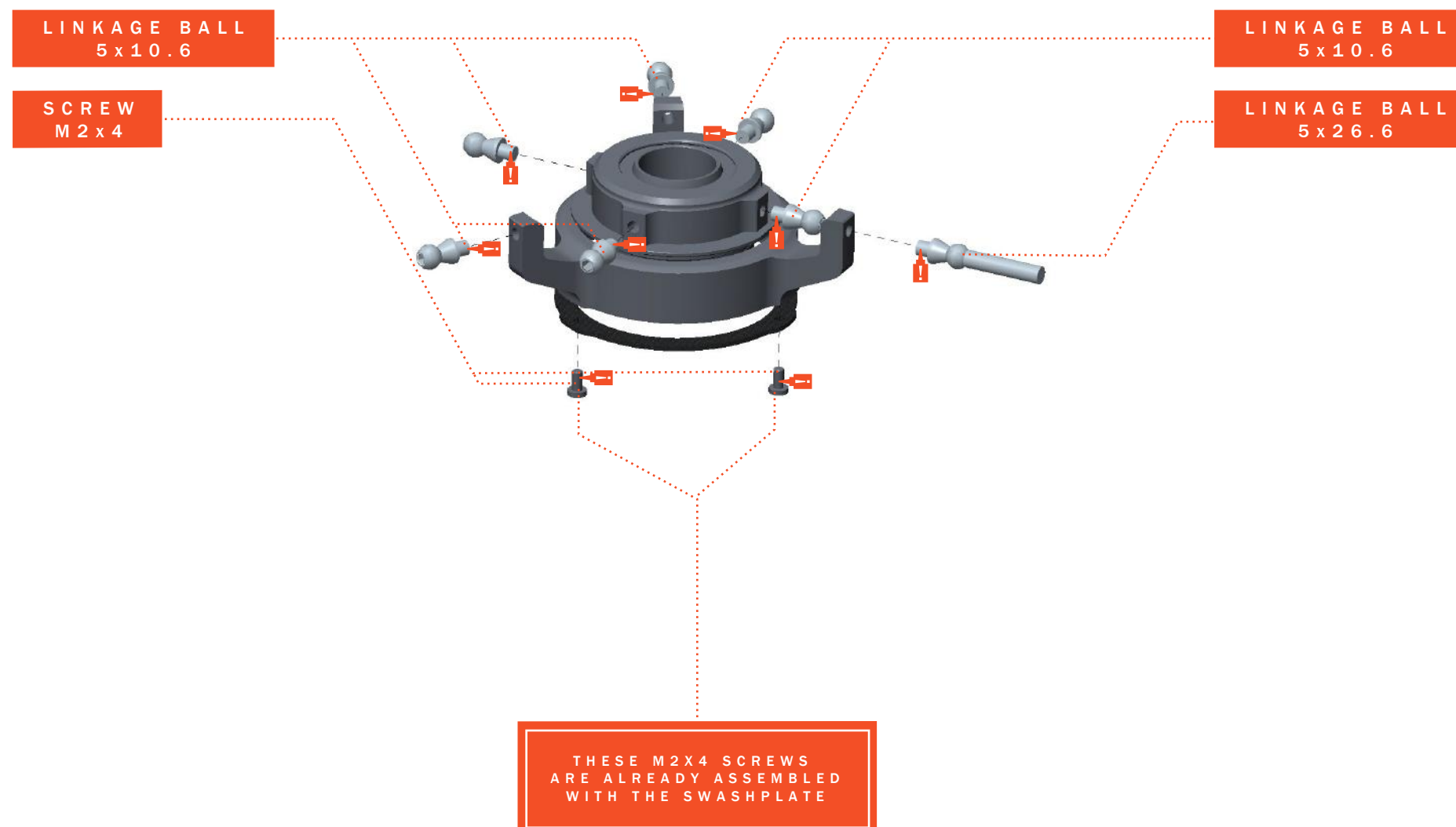
HB-1-1

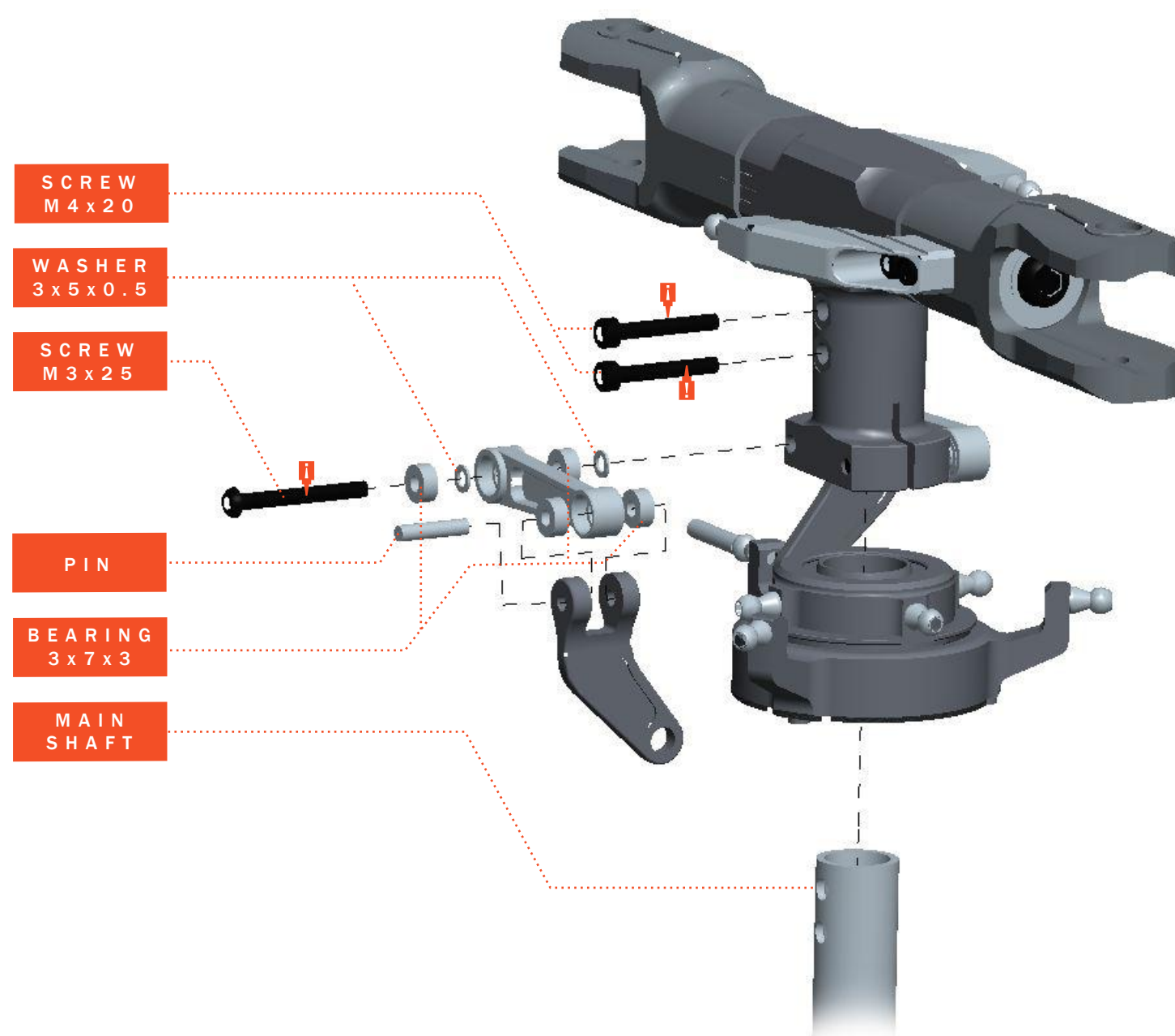
HB-1-2

HB-1-4

HB-1-5

HB-1-6



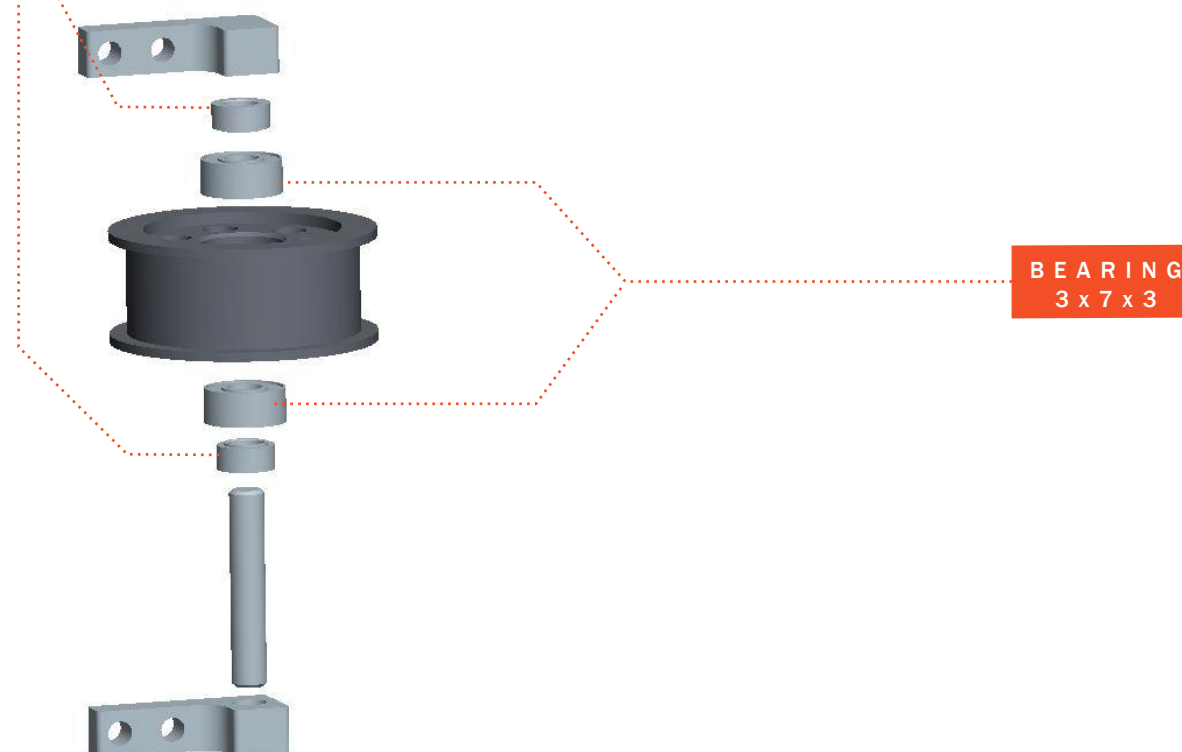
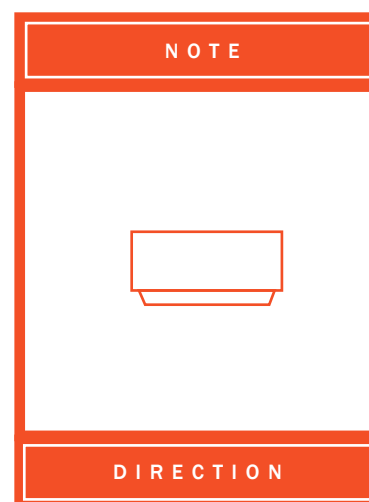


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243 THREADLOCK WHEN
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BAGS:

BB - 1



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
■ FIXING A METAL PART

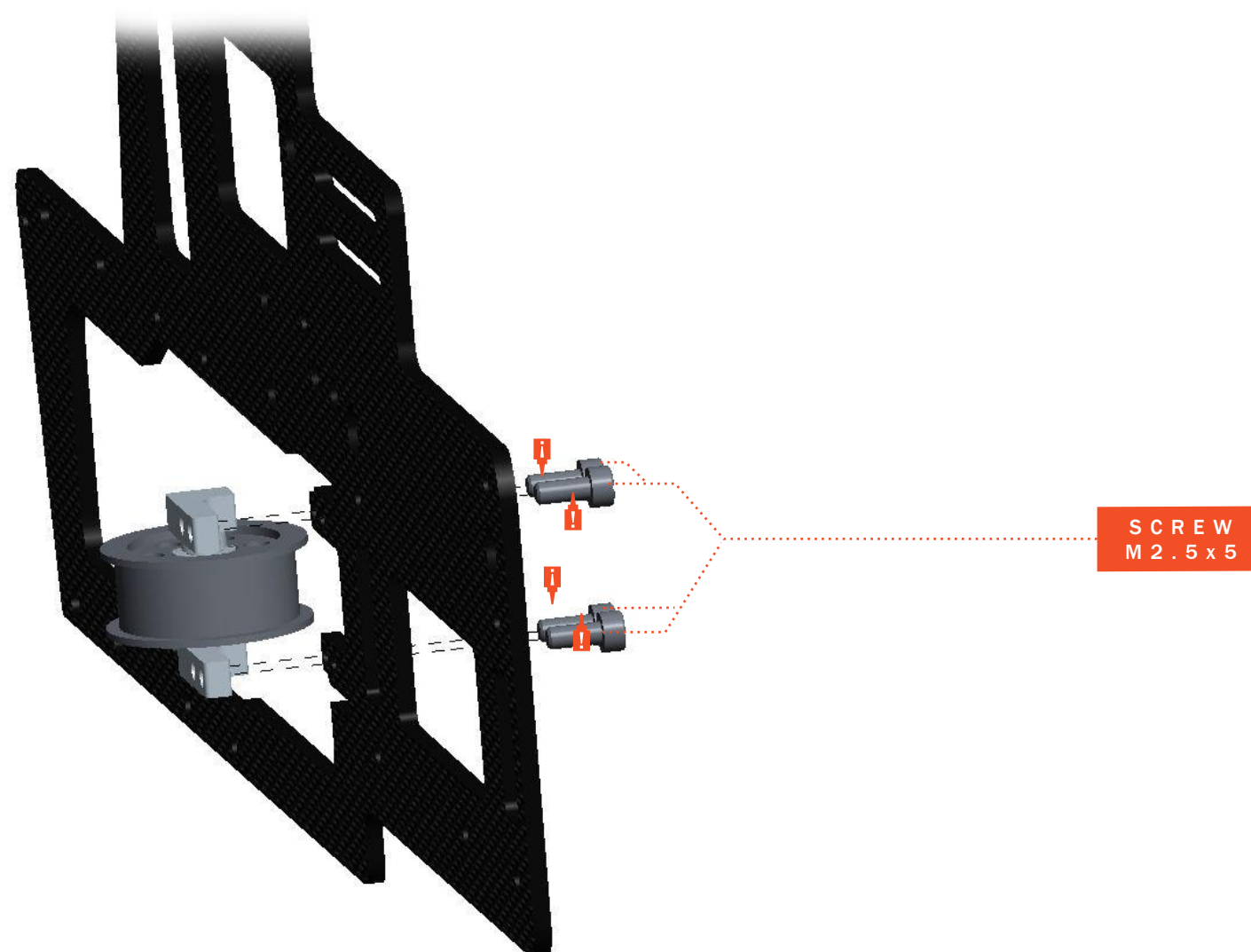


BAGS:

BB - 1

BB - 2

BB - 1 - 1



SCREW
M 2.5 x 5

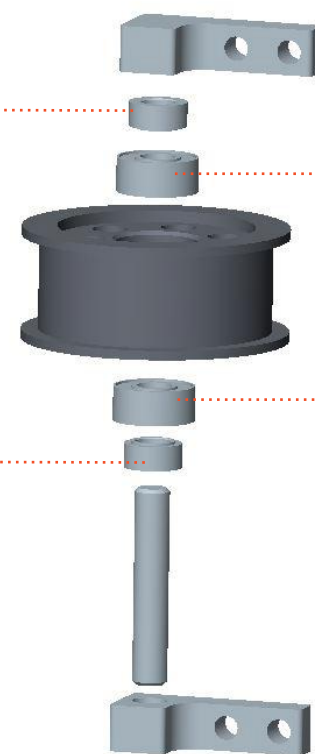
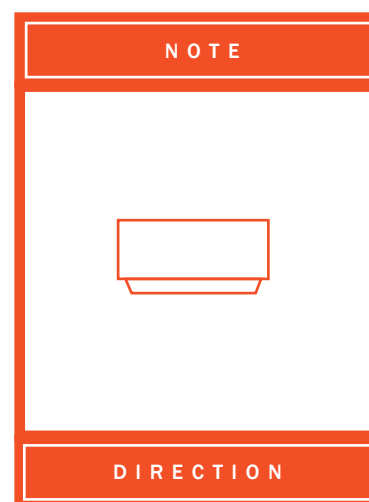
RIGHT SIDE
OF THE FRAME

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
■ FIXING A METAL PART

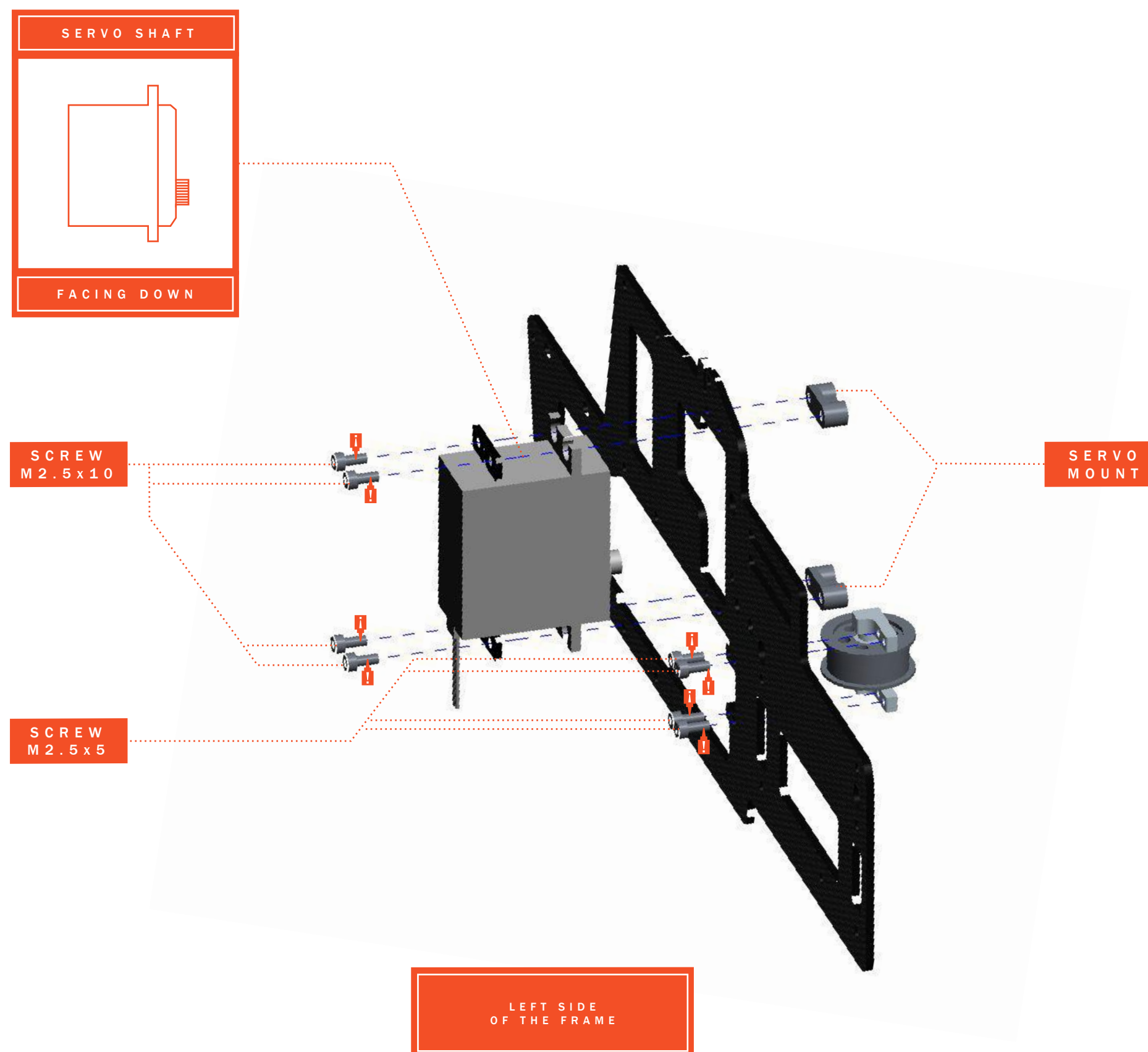


BAGS:

BB - 1



BEARING
3 x 7 x 3



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB - 1

BB - 2

BB - 1 - 3

BB - 1 - 4

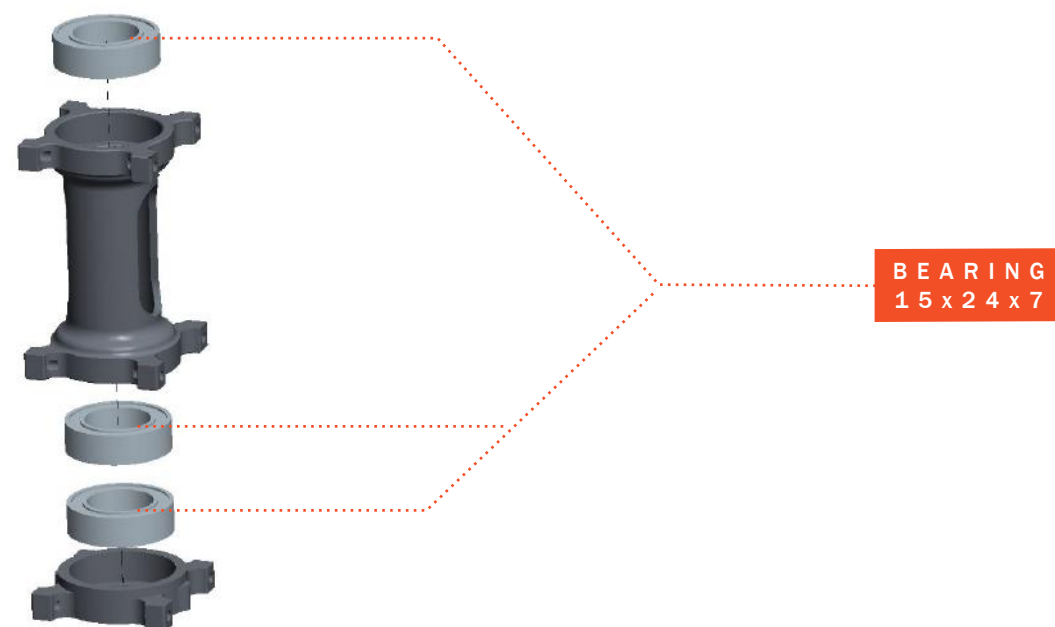
BB - 1 - 5

BB - 1 - 6

BB - 1 - 7

BB - 1 - 8

BB - 1 - 9



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB - 1

BB - 2

BB - 1 - 3

BB - 1 - 4

BB - 1 - 5

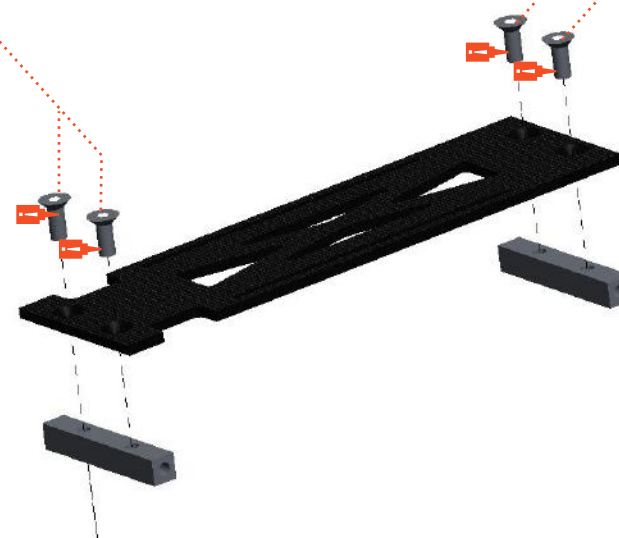
BB - 1 - 6

BB - 1 - 7

BB - 1 - 8

BB - 1 - 9

FLAT CAP SCREW
M 3 x 6



FLAT CAP SCREW
M 3 x 6

! APPLY A LITTLE AMOUNT OF
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FIXING A METAL PART



BAGS:

BB - 1

BB - 2

BB - 1 - 3

BB - 1 - 4

BB - 1 - 5

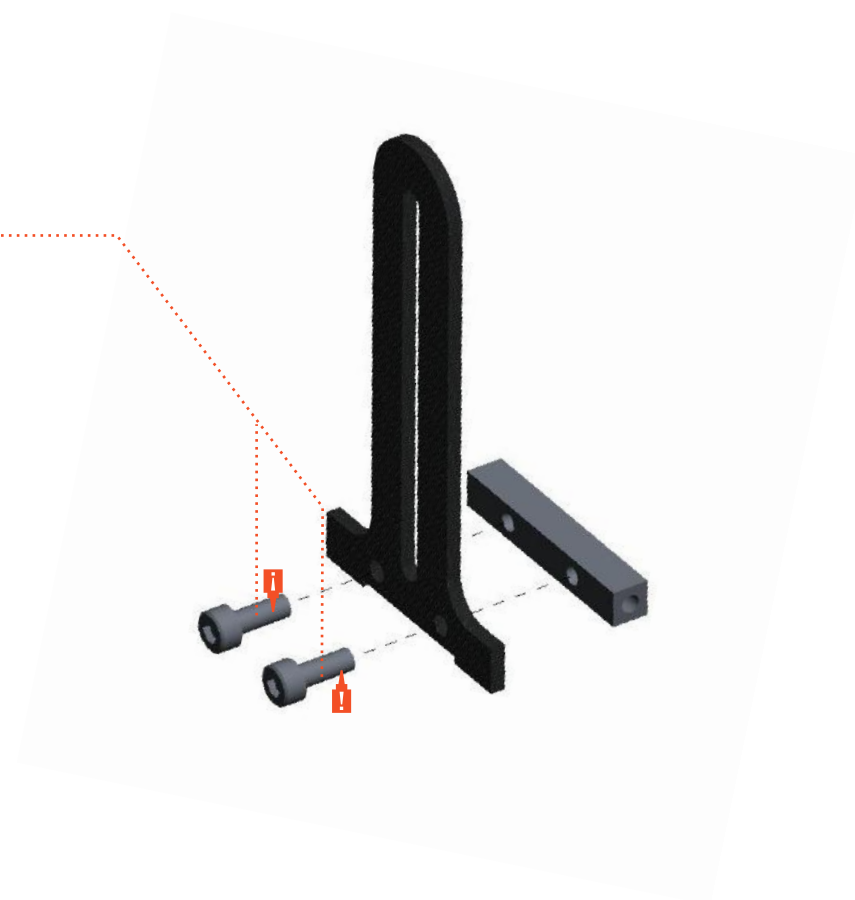
BB - 1 - 6

BB - 1 - 7

BB - 1 - 8

BB - 1 - 9

SCREW
M 3 x 6



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB - 1

BB - 2

BB - 1 - 3

BB - 1 - 4

BB - 1 - 5

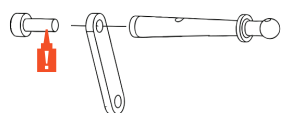
BB - 1 - 6

BB - 1 - 7

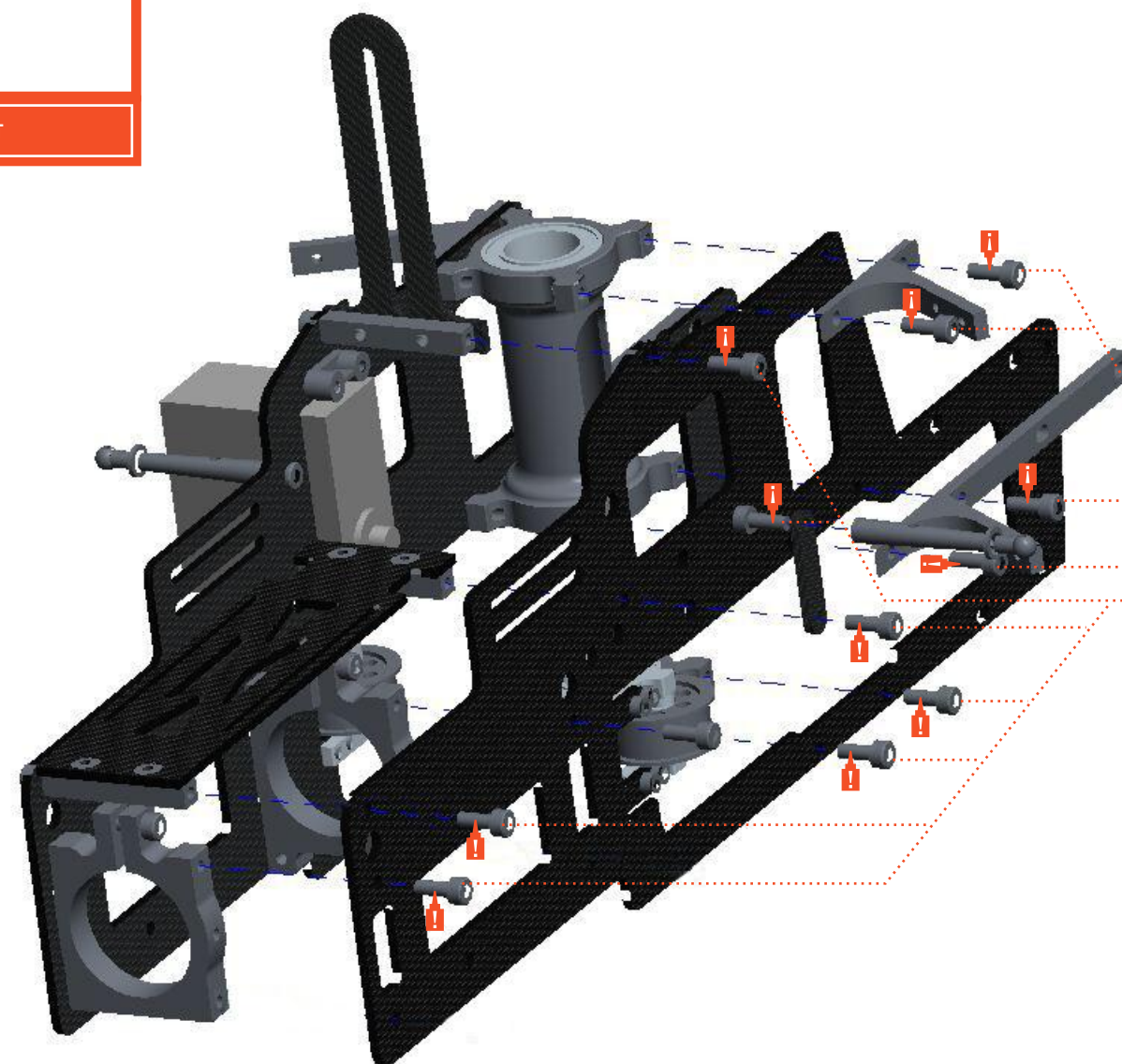
BB - 1 - 8

BB - 1 - 9

CANOPY MOUNT



POST



SCREW
M 3 x 8

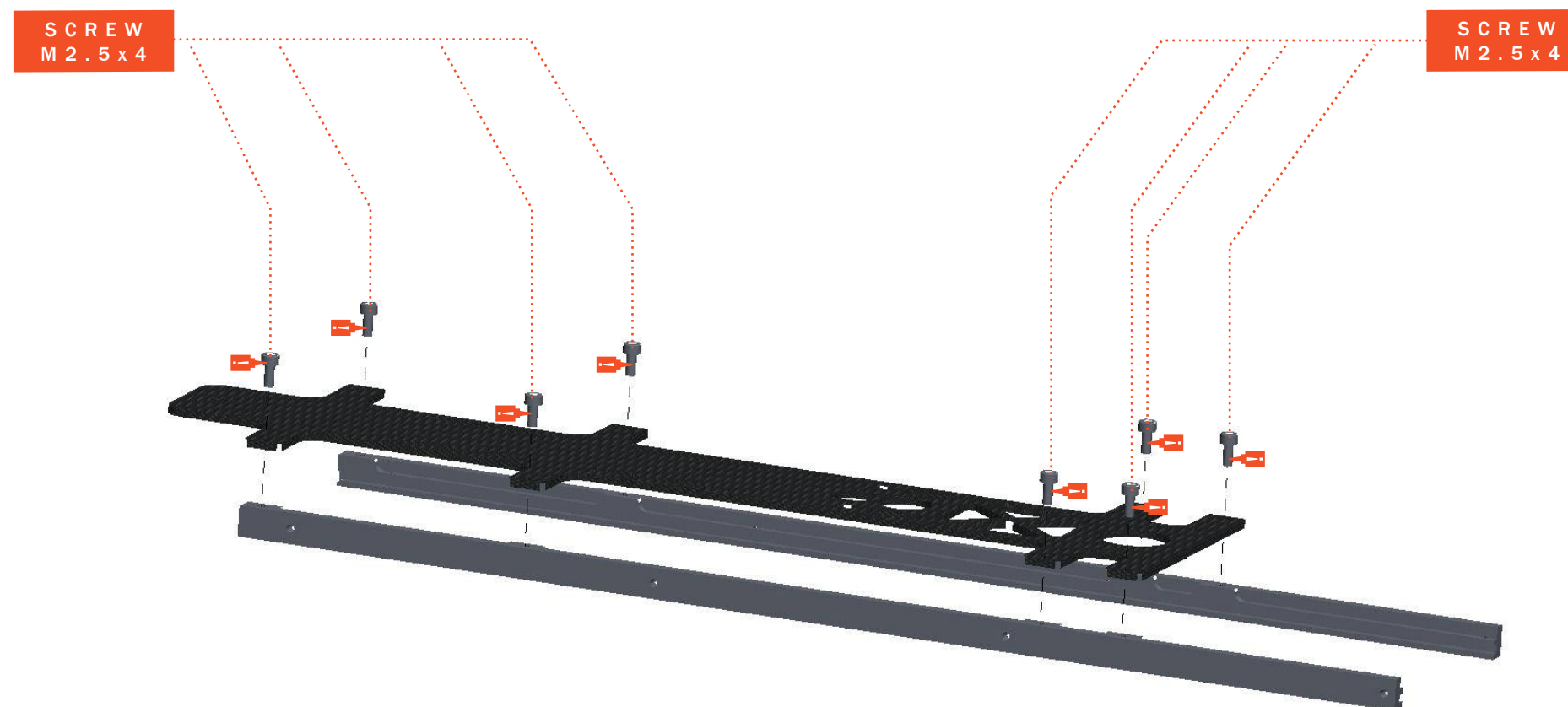
SCREW
M 3 x 6

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-3



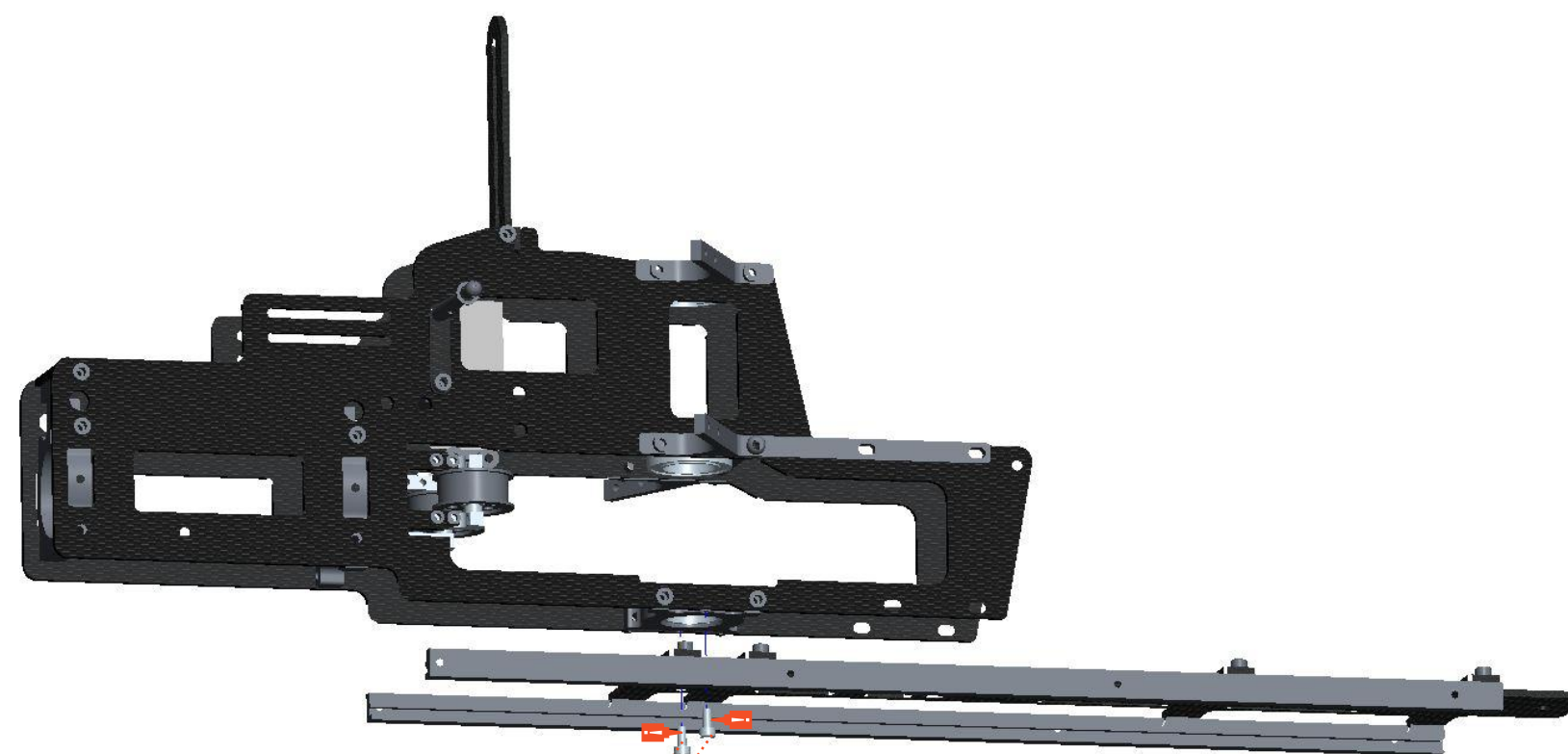
GENTLY LOCK THE SCREWS
AVOID SLIPPING SCREWS

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-3



SCREW
M 2.5 x 5

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART

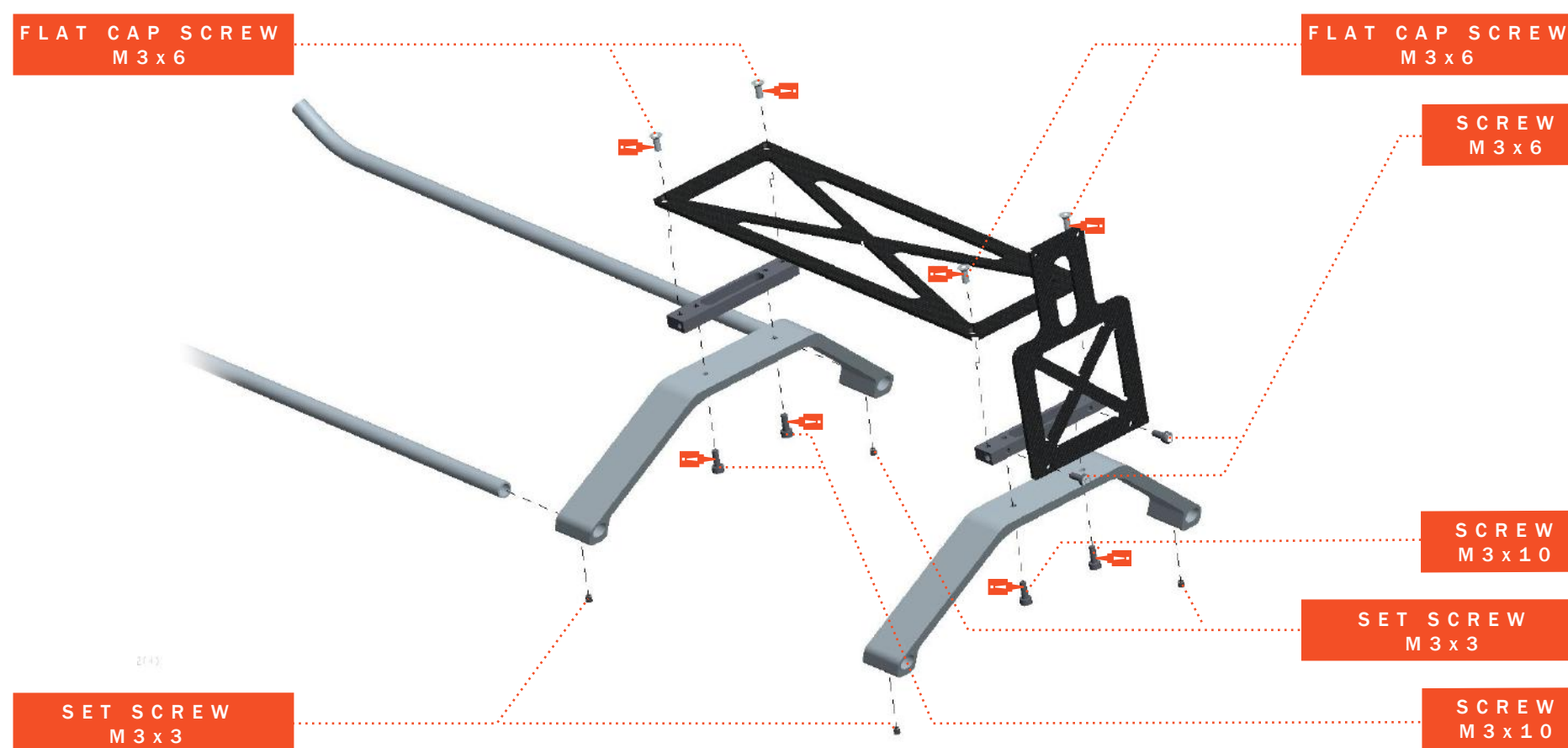


BAGS:

BB - 4

BB - 5

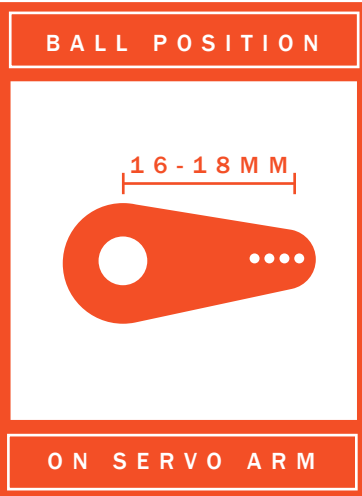
BB - 1 - 10

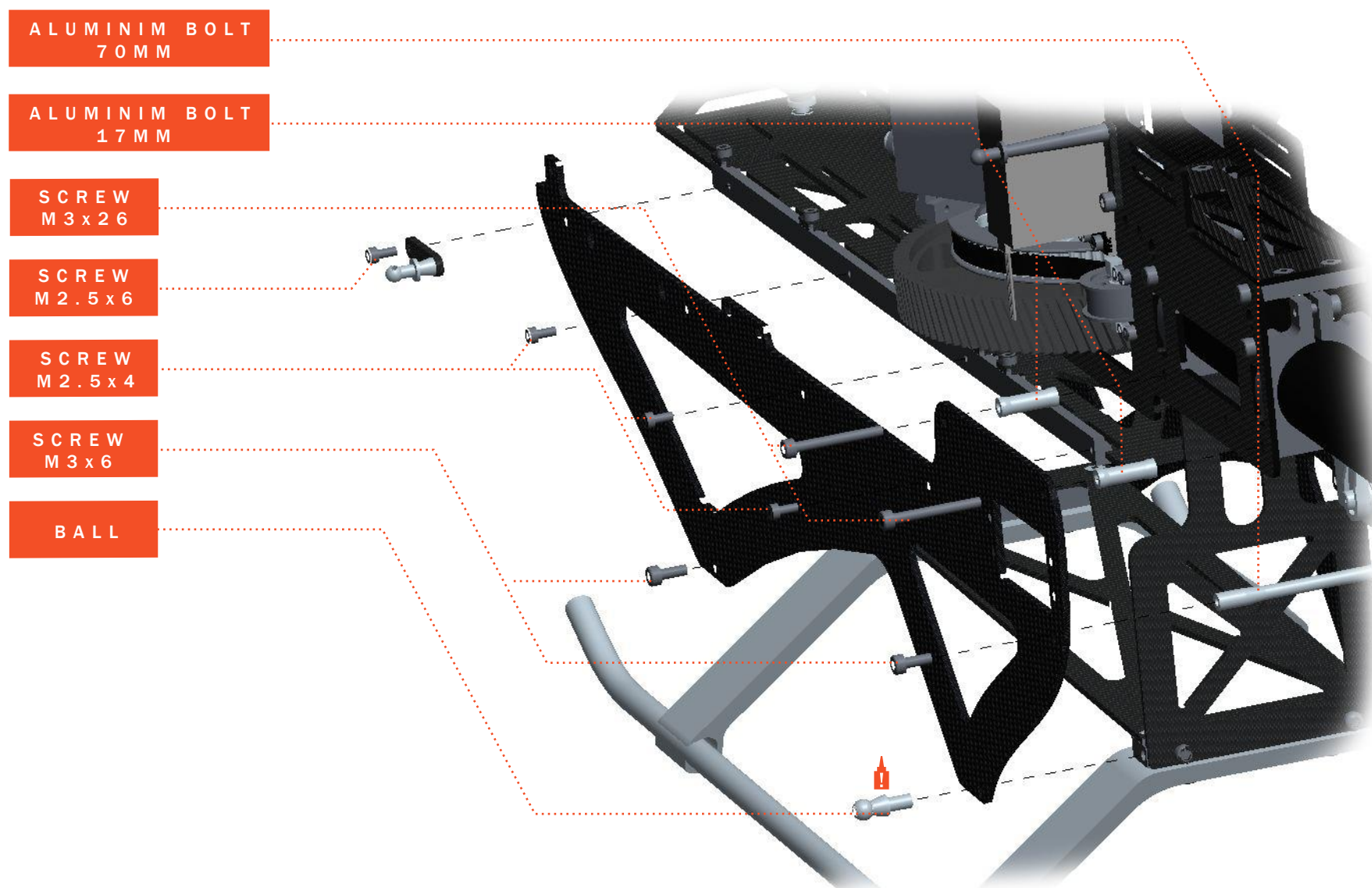


BB - 4

BB - 5

BB - 1 - 10





GENTLY LOCK THE SCREWS
AVOID SLIPPING SCREWS

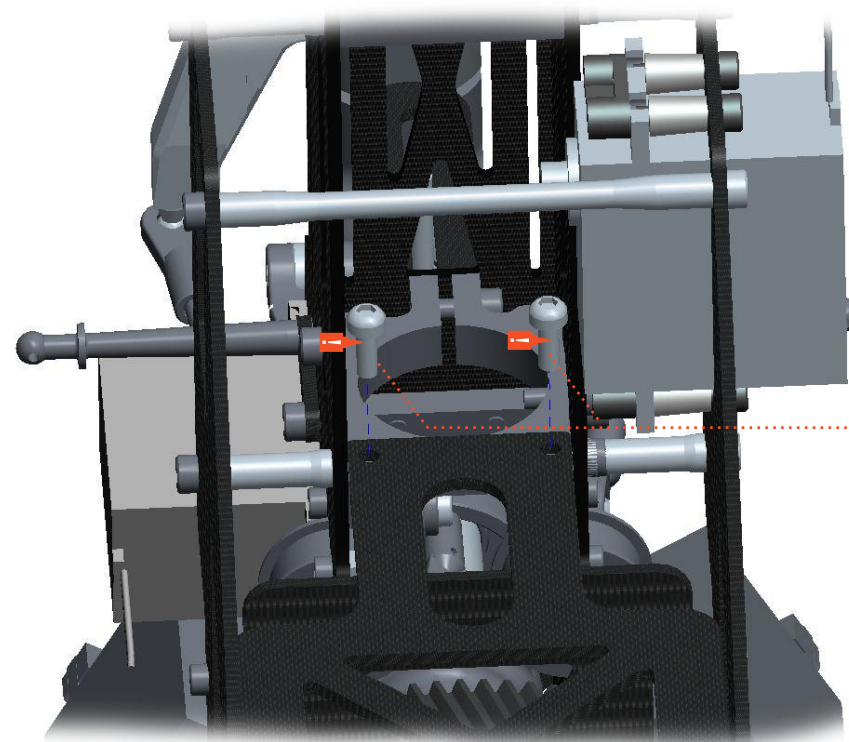
! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-5

BB-1-11



SCREW
M3 x 6

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART

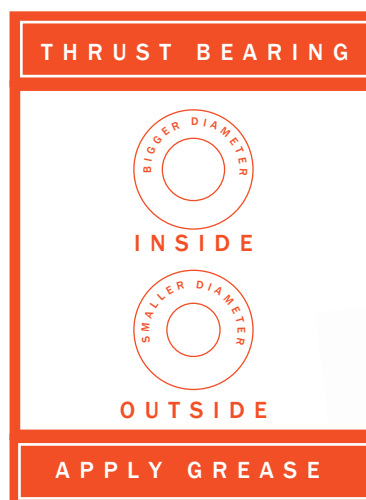


BAGS:

TB-1

TB-1-1

TB-1-10



INSIDE



OUTSIDE

APPLY GREASE

THRUST BEARING
5x10x4

WASHER
8x10x0.3

BEARING
5x10x4

BALL
4.72x13.6

BEARING
5x10x4

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART

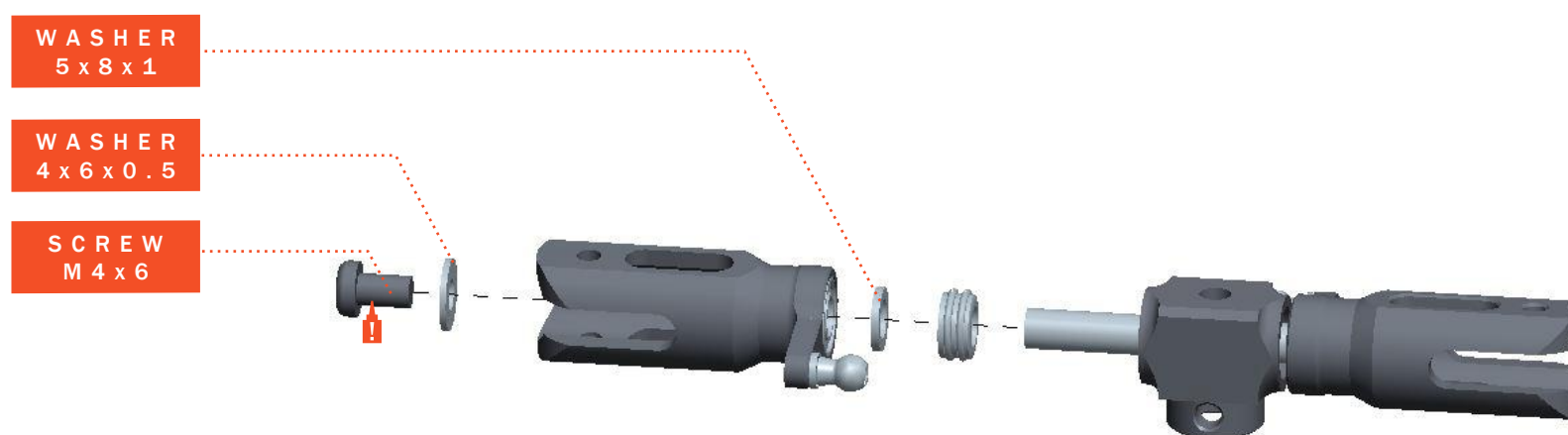


BAGS:

T B - 1

T B - 1 - 1

T B - 1 - 10



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

TB-1

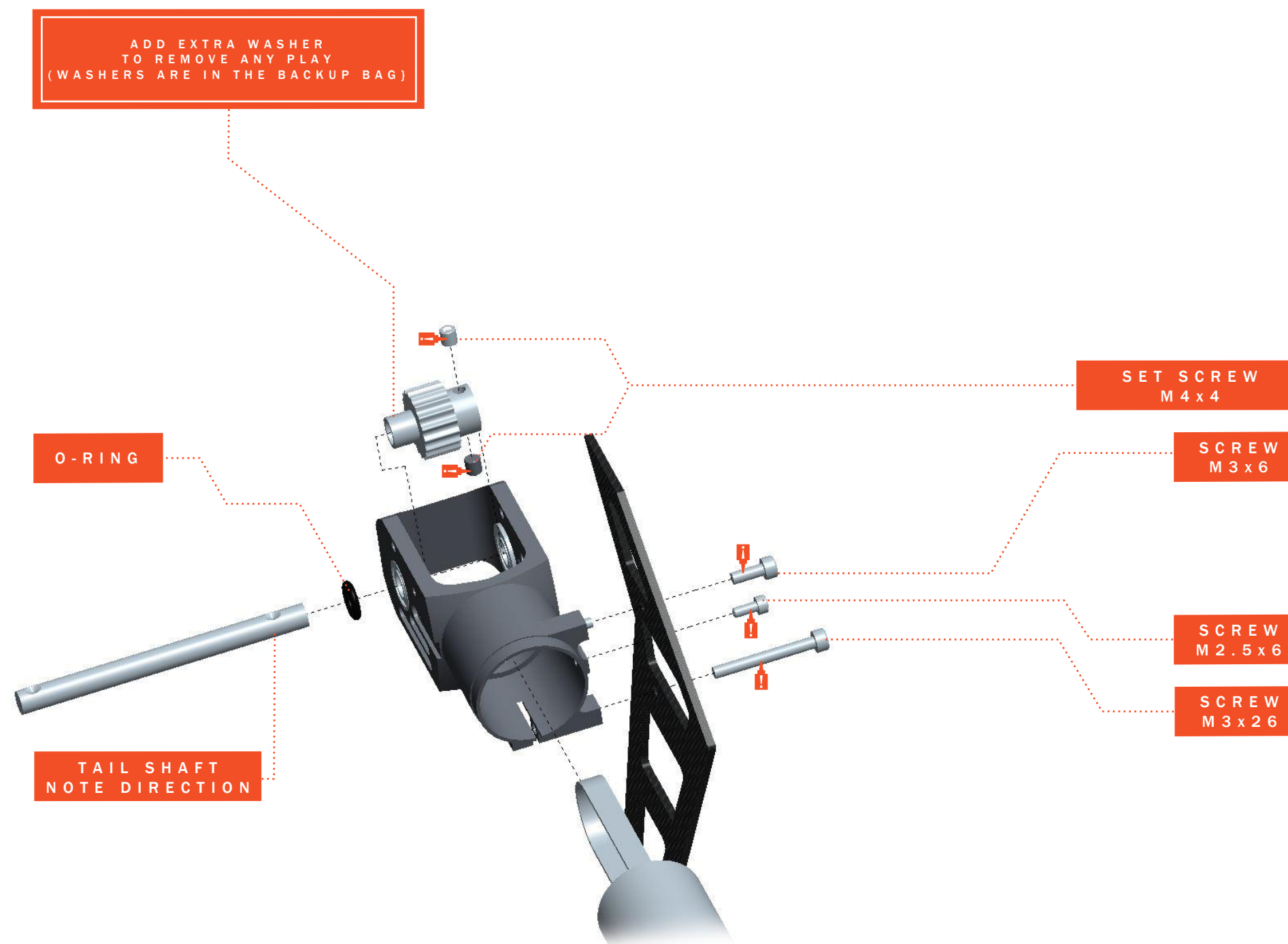
TB-2

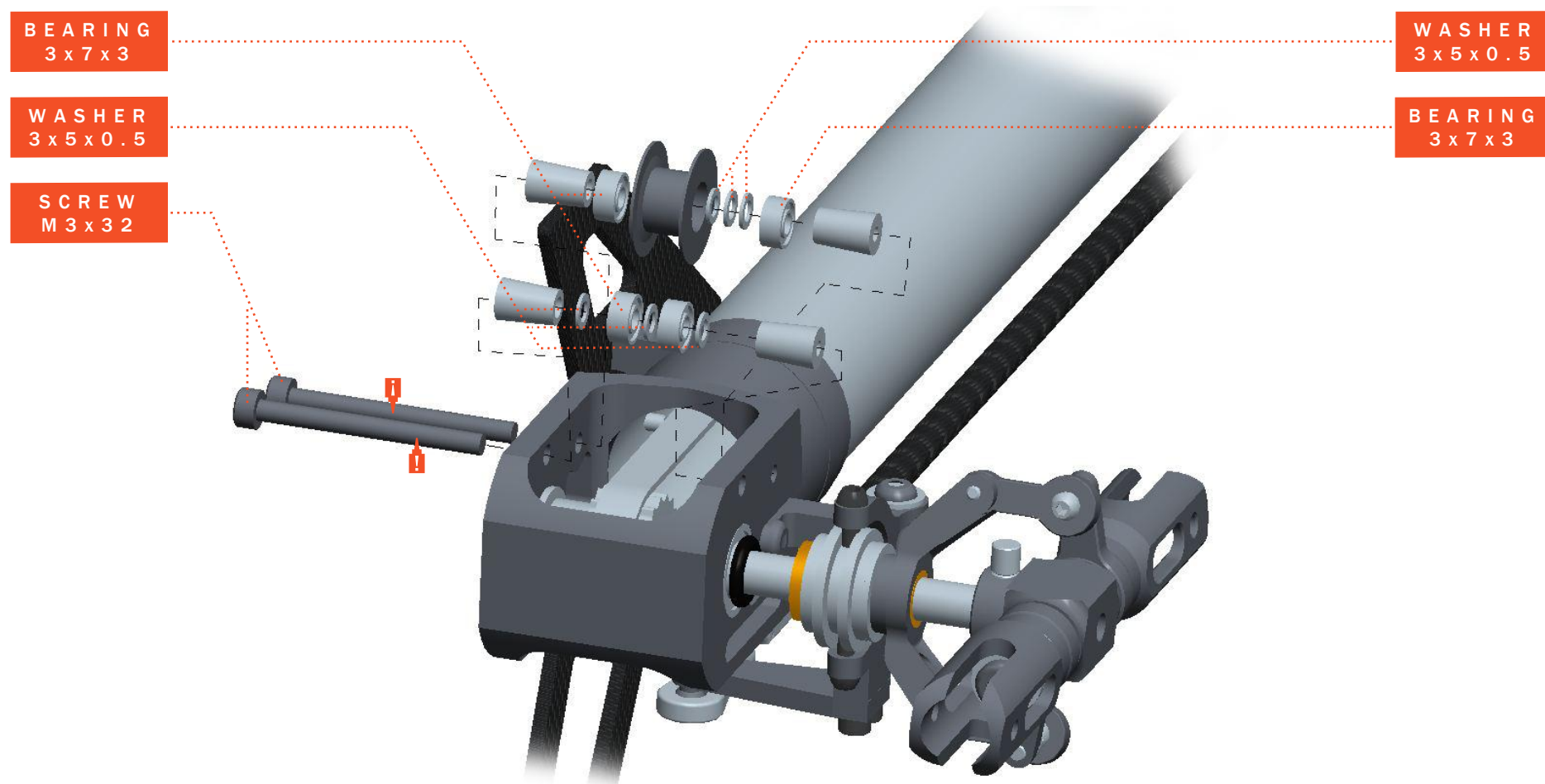
TB-3

TB-1-2

TB-1-3

TB-1-4





! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



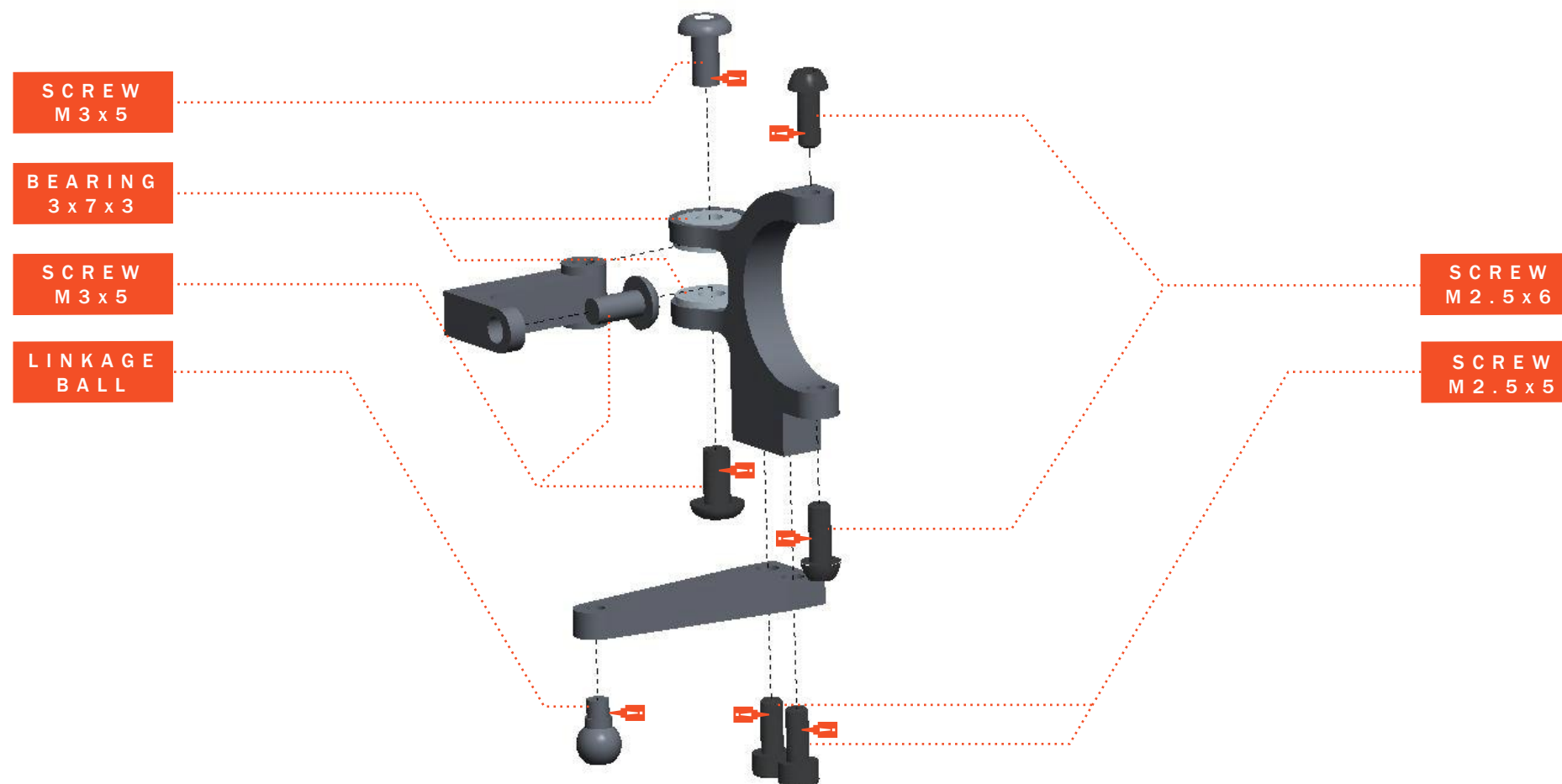
BAGS:

TB-1

TB-1-5

TB-1-6

TB-1-7



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

TB-1

TB-1-5

TB-1-6

TB-1-7

NOTE



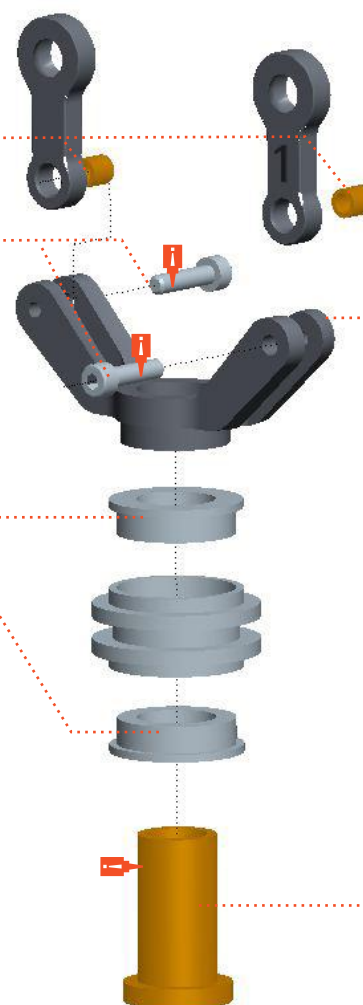
DIRECTION

SPACER
3 x 2 x 3

SCREW
M 2 x 8

BEARING
8 x 12 x 3.5

DO NOT OVER TIGHTEN
KEEP PARTS MOVING SMOOTHLY
USE LOCTITE 638



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART

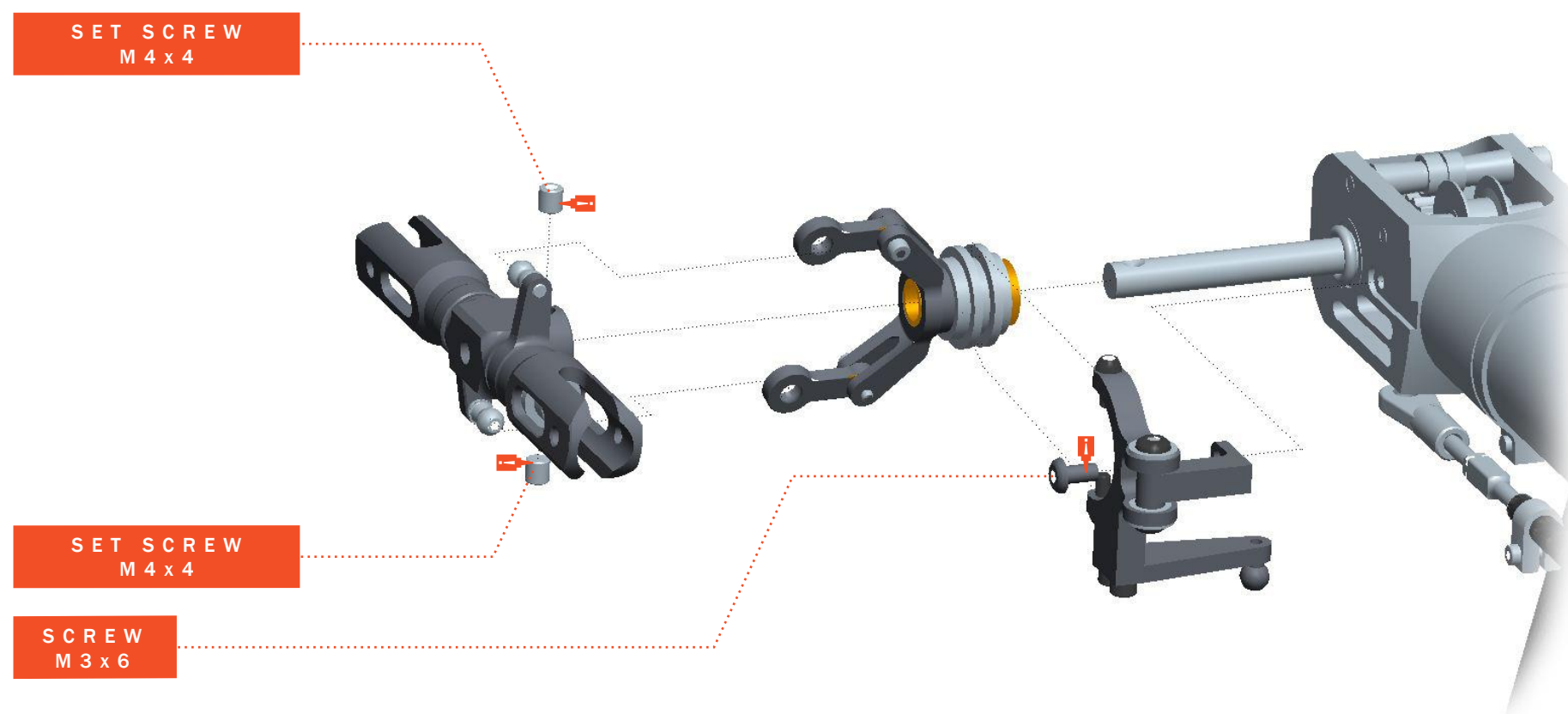
BAGS:

TB-1

TB-1-5

TB-1-6

TB-1-7



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



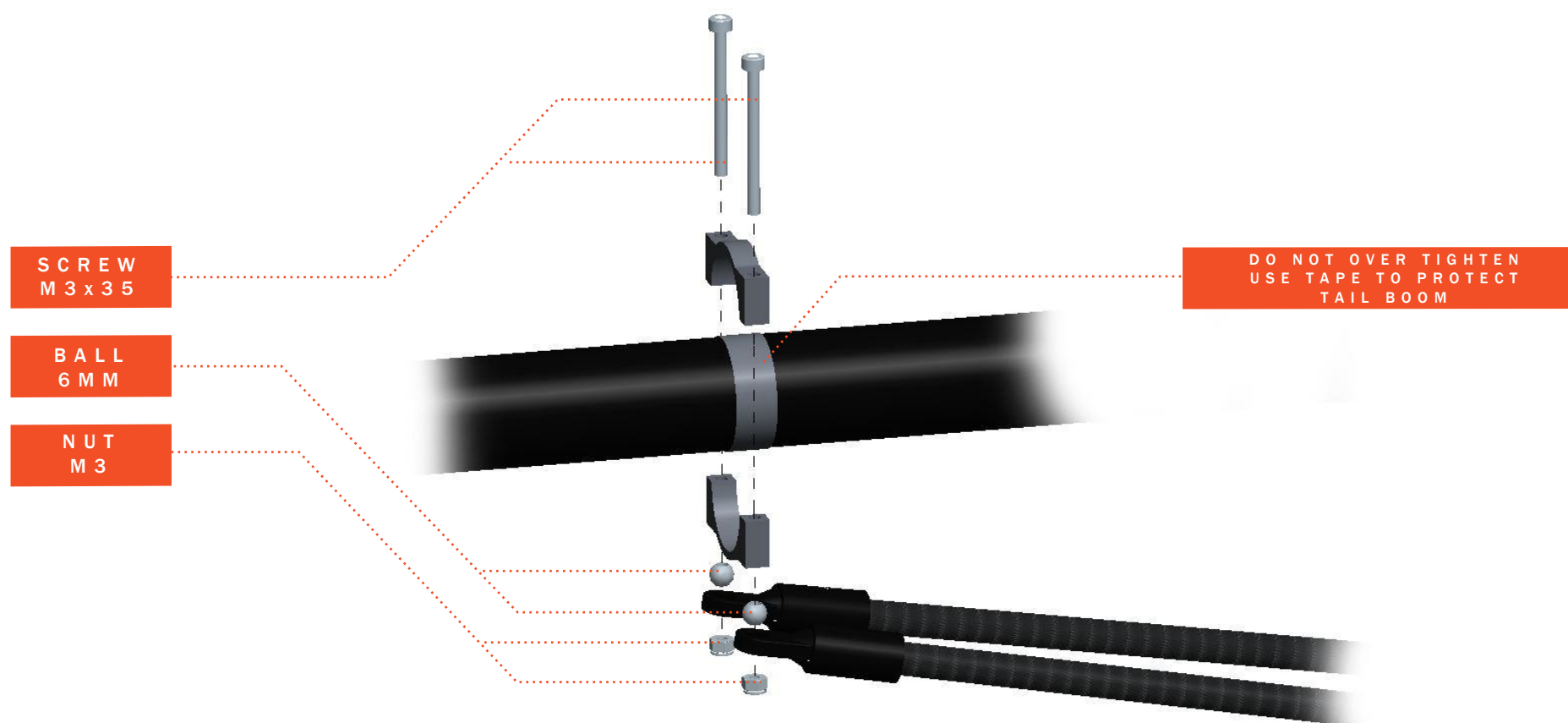
BAGS:

TB-1

TB-2

TB-1-8

TB-1-9



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

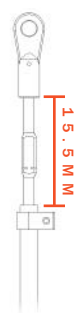
T B - 1

T B - 2

T B - 1 - 8

T B - 1 - 9

SET

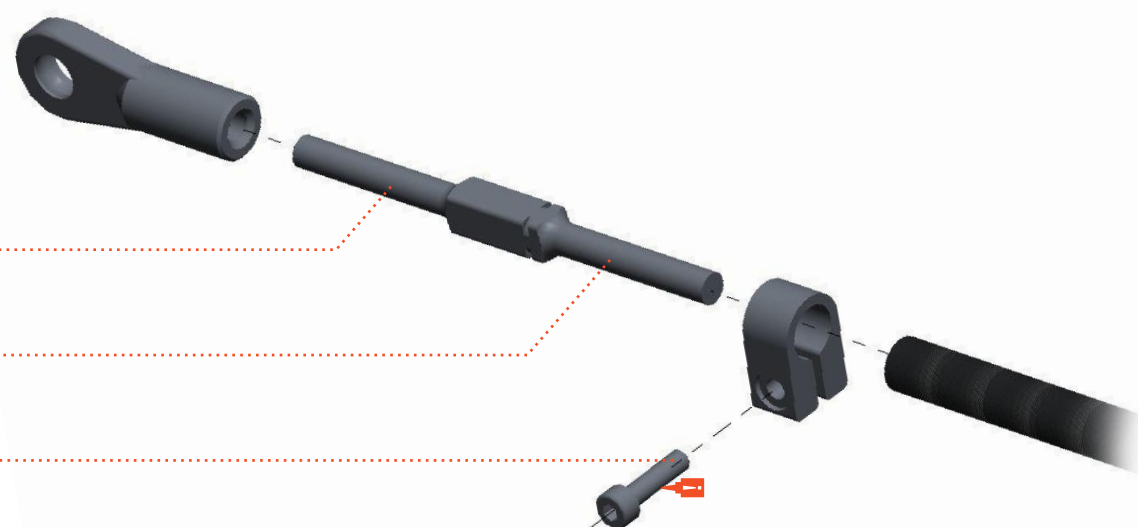


DISTANCE

RIGHT
THREAD

LEFT
THREAD

SCREW
M 2 x 6



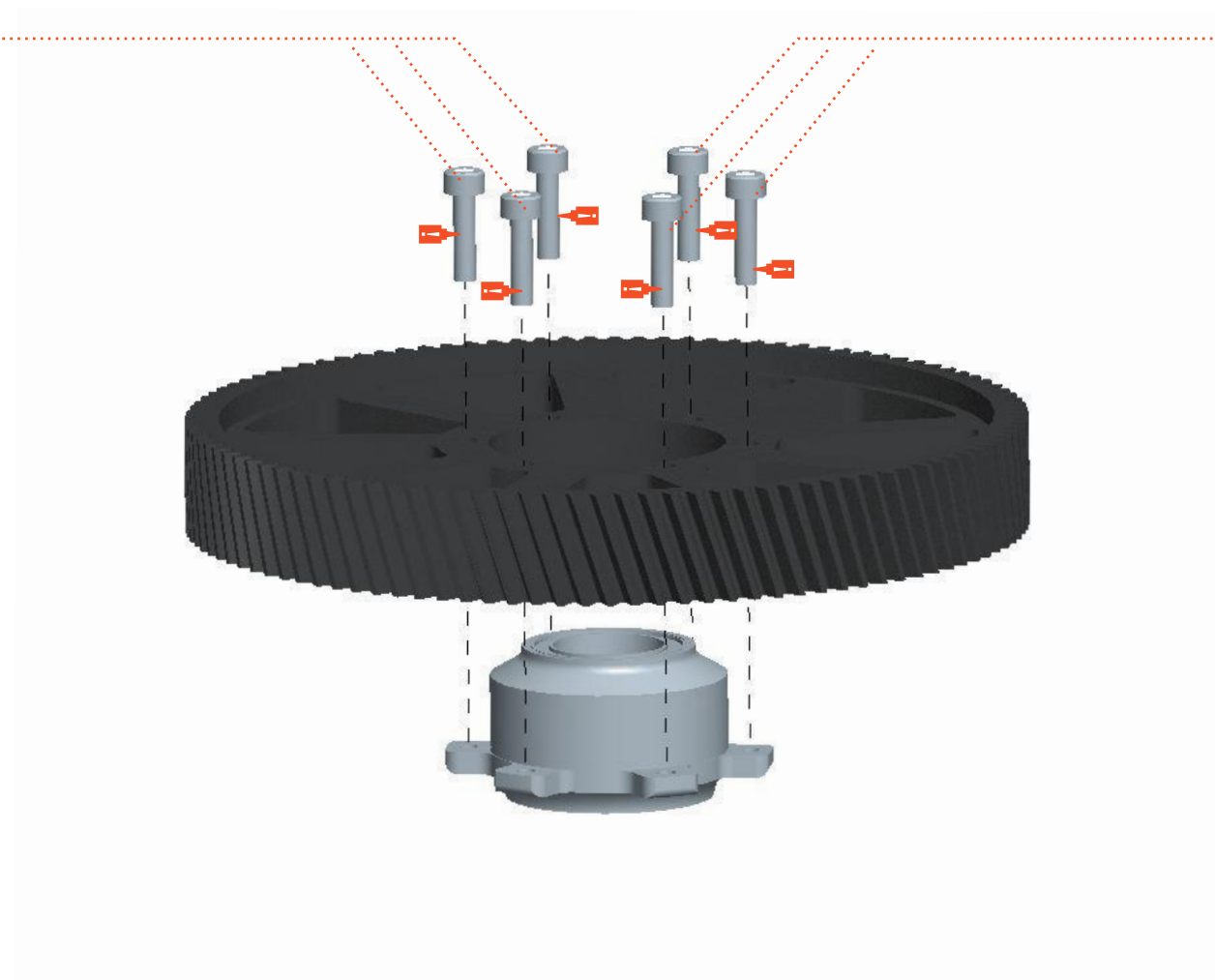
! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
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BAGS:

BB-6

SCREW
M 3 x 12



SCREW
M 3 x 12

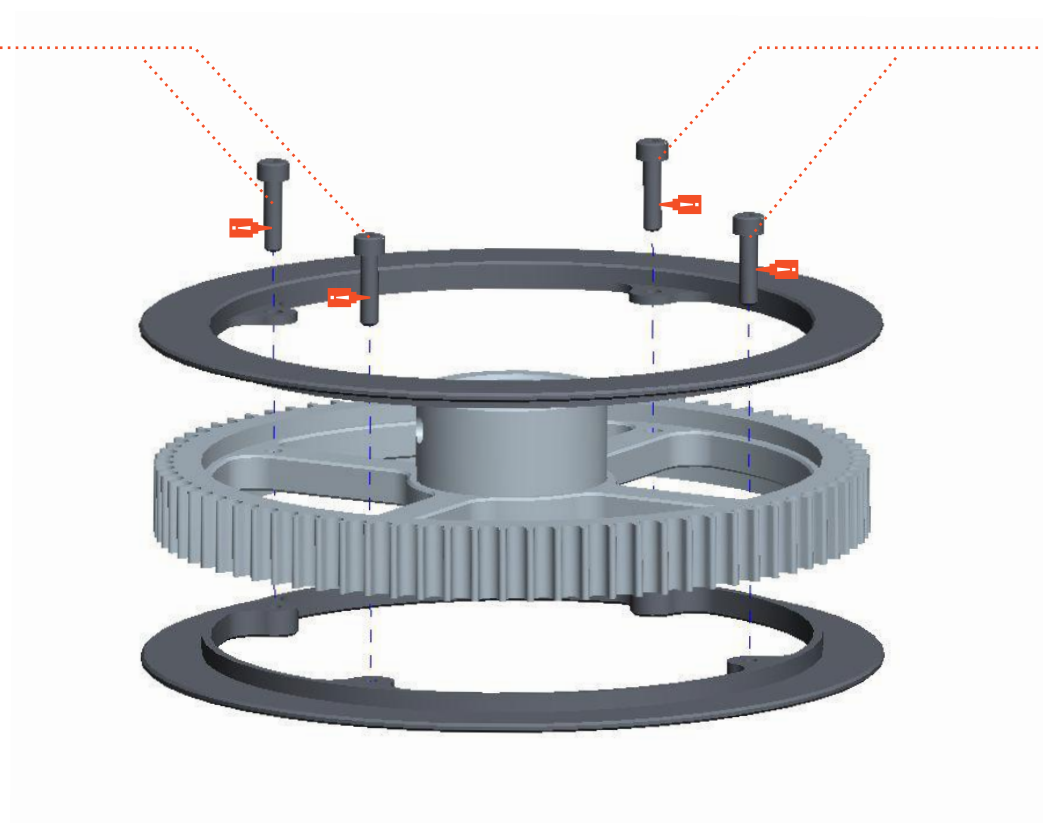
! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-6

SCREW
M 2 x 8



SCREW
M 2 x 8

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



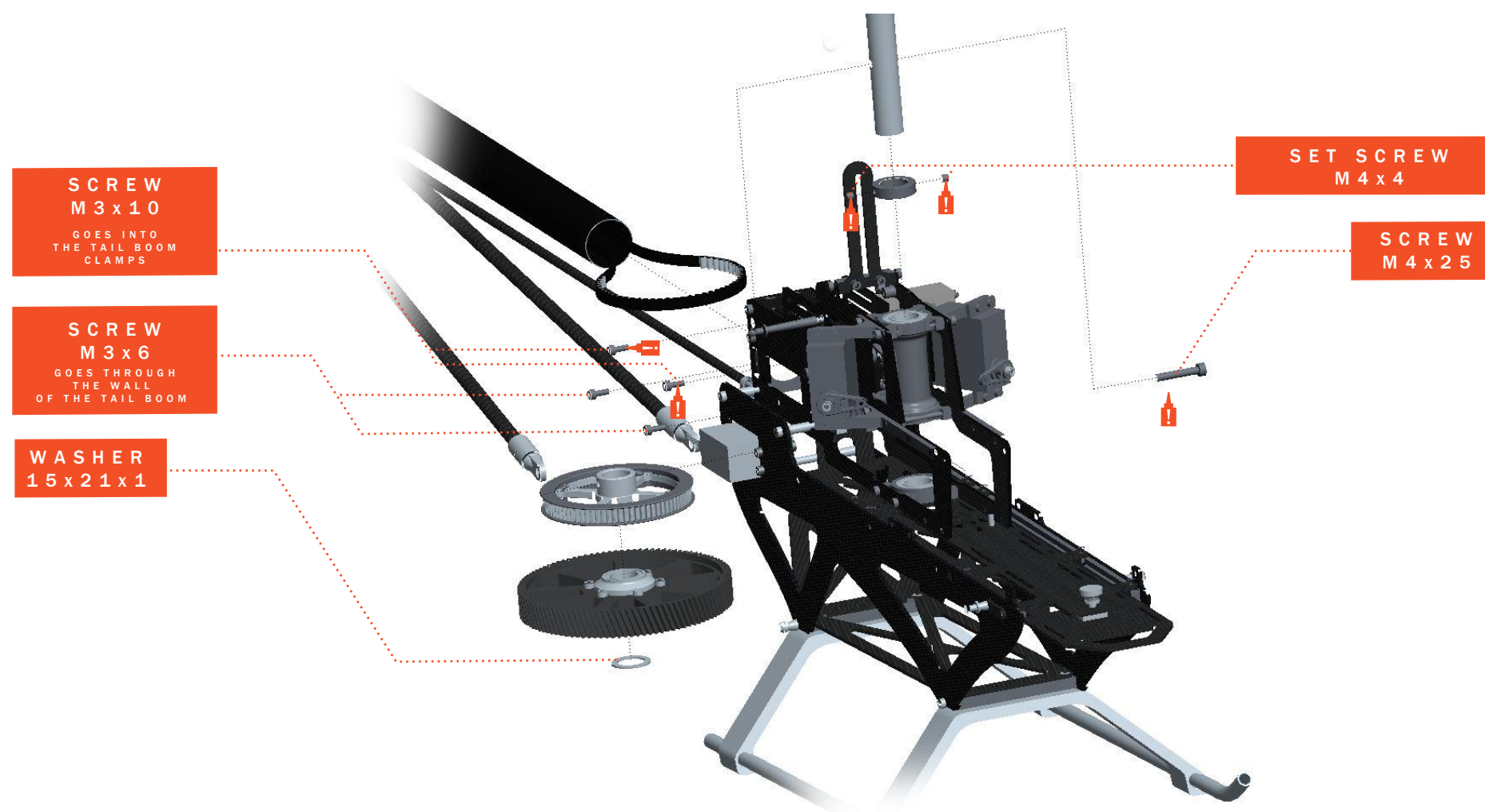
BAGS:

HB - 1

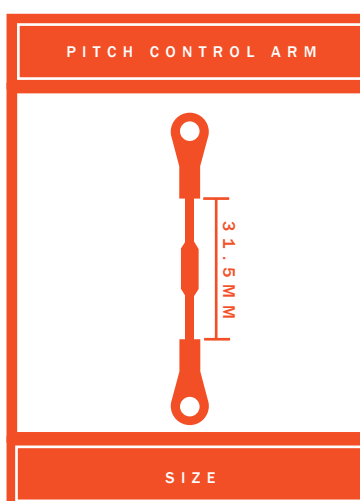
HB - 2

BB - 6

HB - 1 - 3



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
■ FIXING A METAL PART



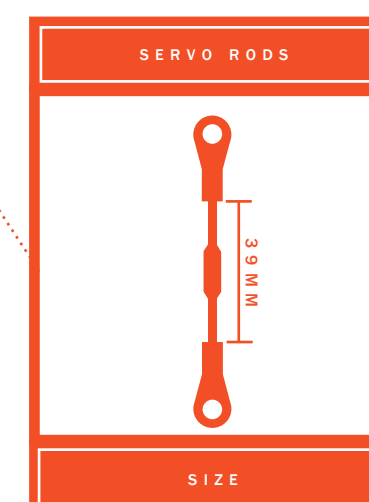
BAGS:

HB-1

HB-2

BB-6

HB-1-3



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243 THREADLOCK WHEN
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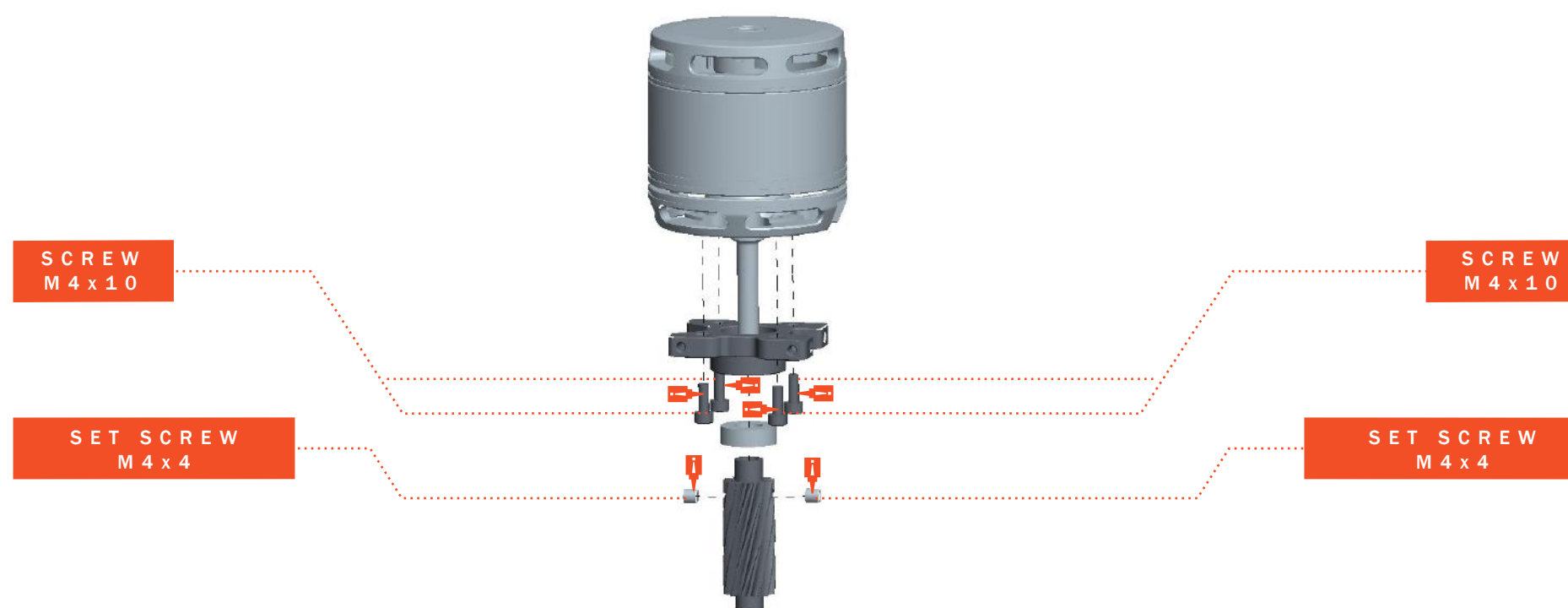


BAGS:

BB - 1

BB - 1 - 1 2

BB - 1 - 1 3



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB - 1

BB - 1 - 1 2

BB - 1 - 1 3



SCREW
M 3 x 6

! APPLY A LITTLE AMOUNT OF
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BAGS:

BB - 1

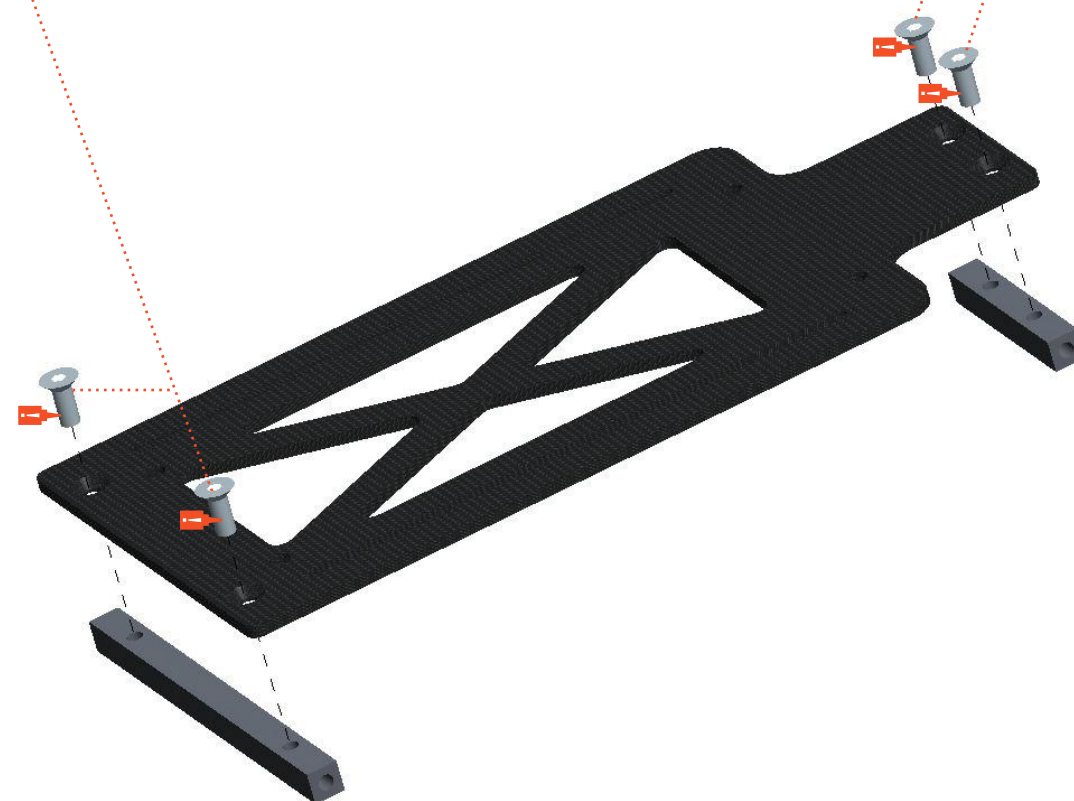
BB - 1 - 1 2

BB - 1 - 1 3

FLAT CAP SCREW
M 3 x 6

FLAT CAP SCREW
M 3 x 6

01141



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART

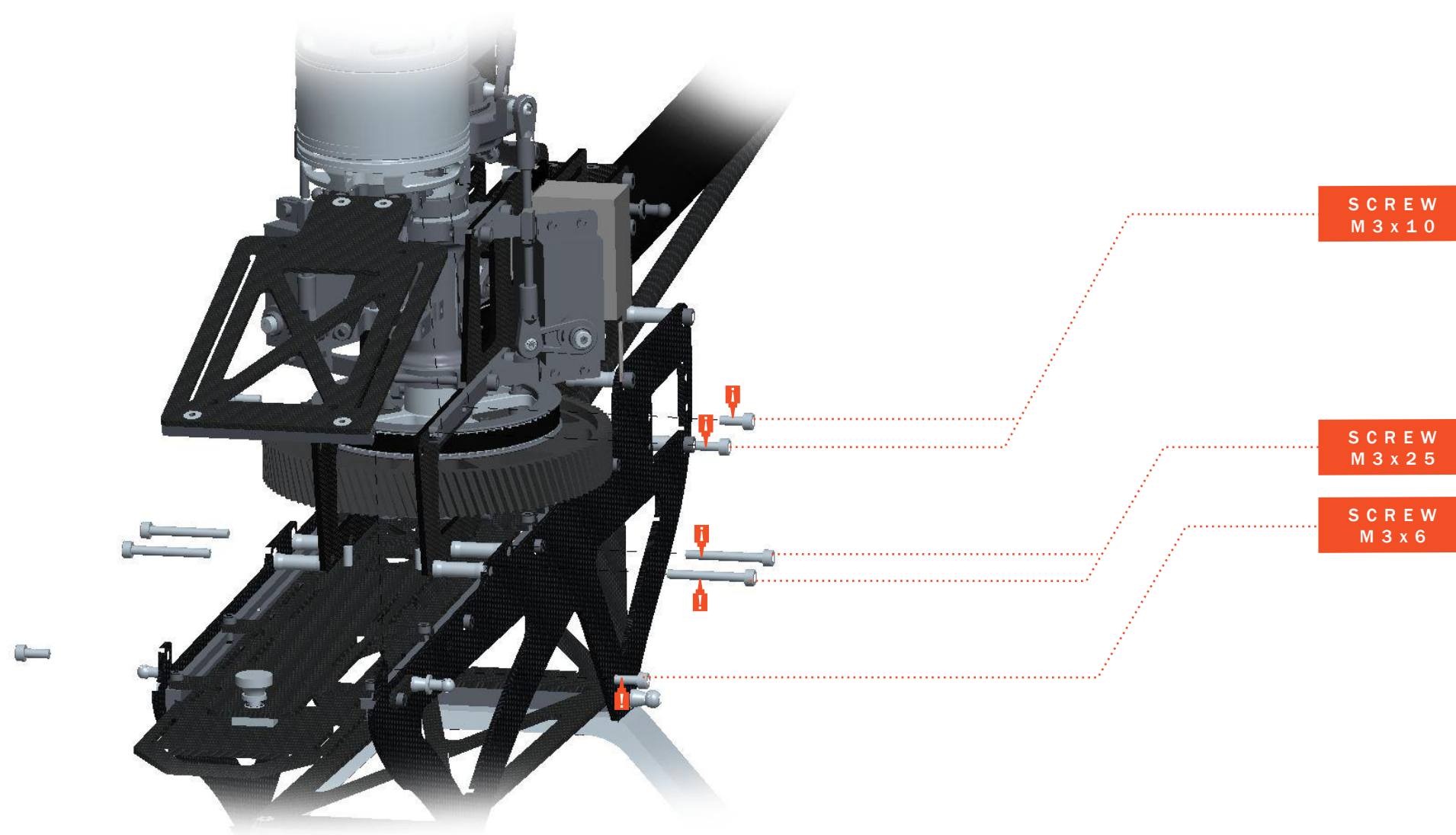


BAGS:

BB - 1

BB - 1 - 1 2

BB - 1 - 1 3



SCREW
M 3 x 1 0

SCREW
M 3 x 2 5

SCREW
M 3 x 6

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-1

BB-1-12

BB-1-13



SET THE DISTANCE BETWEEN THE
MOTOR PINION AND MAIN GEAR
TO APPROXIMATELY 0.1MM

! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB-4

TB-1

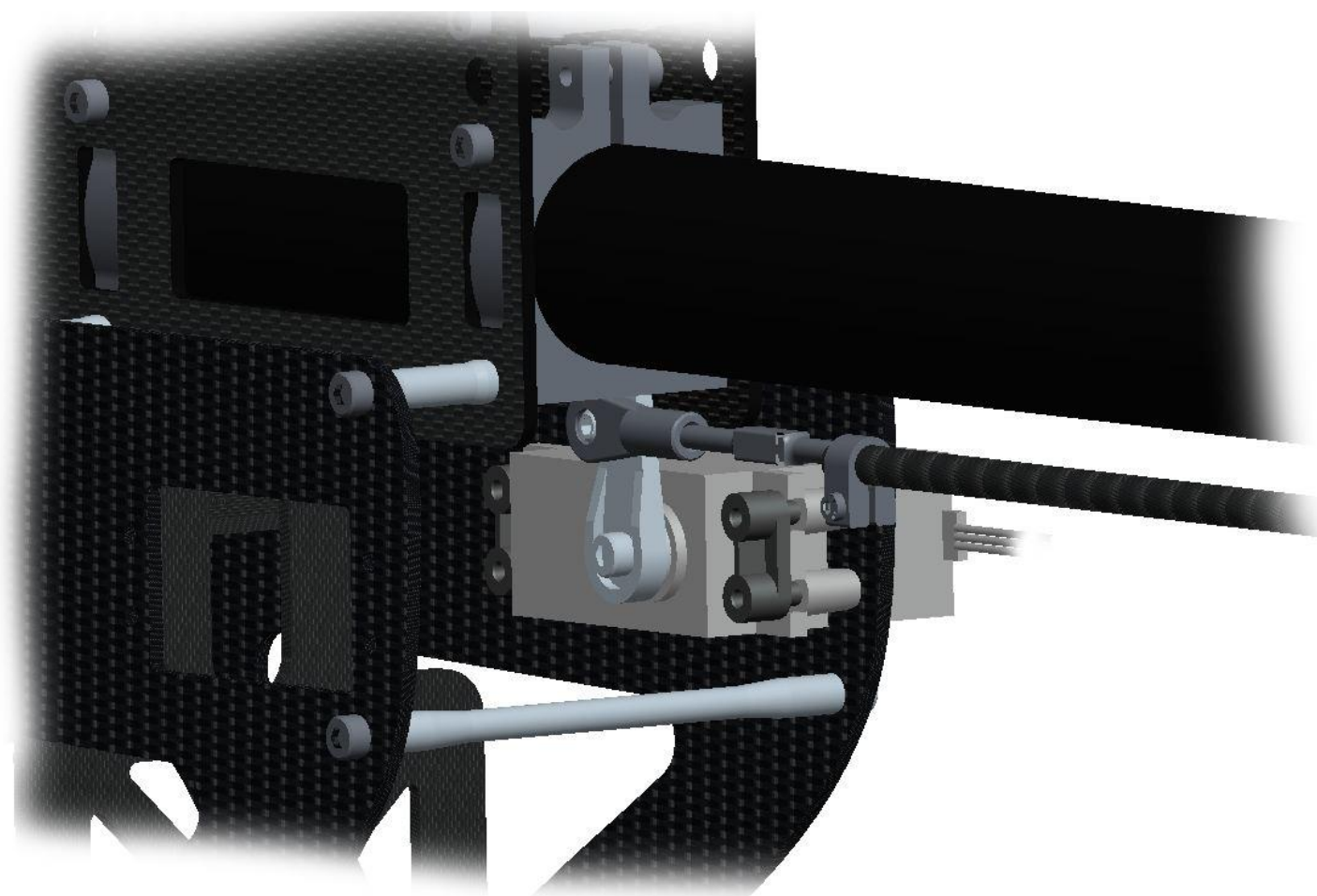
TB-1-9

BB-1-14

INSTALL



TAIL CONTROLL GUIDE



! APPLY A LITTLE AMOUNT OF
243 THREADLOCK WHEN
FIXING A METAL PART



BAGS:

BB - 4

TB - 1

TB - 1 - 9

BB - 1 - 14



SCREW
M 4 x 6

O - RING

SCREW
M 2.5 x 6