



1:10 SCALE HIGH PERFORMANCE COMPETITION CHASSIS KIT

















THANK YOU

Thank you for selecting this Vanquish Products vehicle kit. This kit is designed to be fun to drive and uses top quality parts for durability and performance. The instruction manual you are reading was designed to be easy to follow yet thorough in its explanations.

If you come across any problems or need some help getting through a step, please contact us through our website www.VanquishProducts.com.

This is a high performance R/C kit, and it requires regular maintenance for best performance.

if you don't do regular maintenance the performance will suffer.

Variquish Products has all the necessary parts and accessories available to keep your kit performing at its best. Please read and understand the instructions carefully before proceeding.

BEFORE RUNNING

- Please read manual (with parent, guardian or a responsible adult if necessary).
- Make sure that all screws and nuts are properly tightened.
- Always use fresh batteries for your transmitter and receiver to avoid losing control of the model.
- Please confirm the neutral throttle trigger position.

WHILE OPERATING

- Please do not run on a public street, this could cause serious accidents, personal injuries and/or property damage.
- Please do not run near pedestrians or small children.
- Please do not run in small or confined areas.

AFTER OPERATING

- •Turn OFF receiver first, then turn OFF transmitter. This will prevent the car from losing control.
- After running a Vanquish Products vehicle, it is necessary to perform routine maintenance.

Fallure to do this can result in increased wear and damage to the vehicle.

BATTERY SAFETY

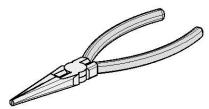
- Please be careful when handling the battery. It will be not after running. If the wire is frayed, a short circuit can cause a fire.
- Please read all instructions and warnings provided by your battery manufacturer for more safety information.

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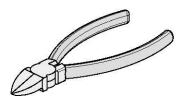
NECESSARY FOR MAINTENANCE



NEEDLE NOSE PLIERS (NOT INCLUDED)



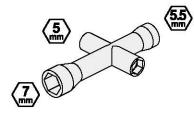
GREASE (INCLUDED)



SIDE CUTTERS (NOT INCLUDED)



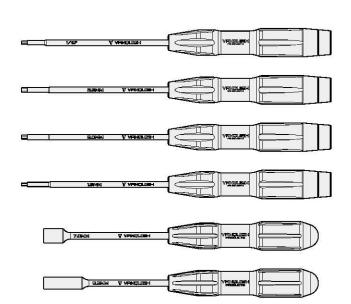
THREAD LOCK (INCLUDED)



CROSS WRENCH



8MM HEX ADAPTER (INCLUDED)

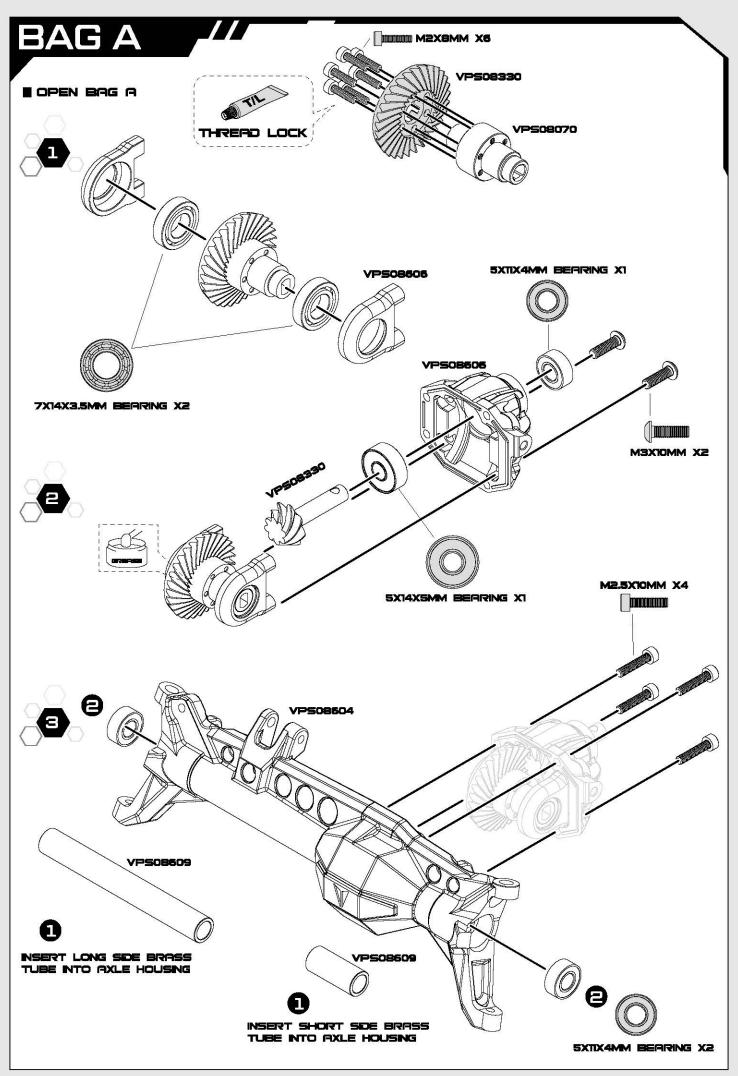


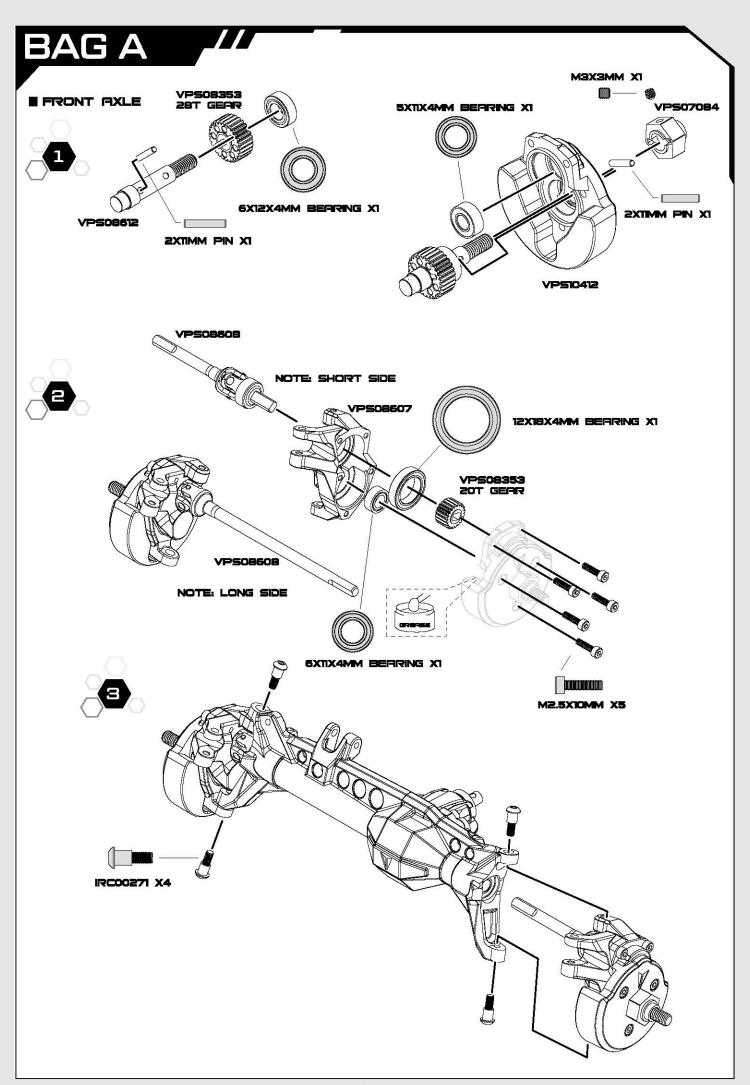
SUGGESTED TOOLS (NOT INCLUDED):

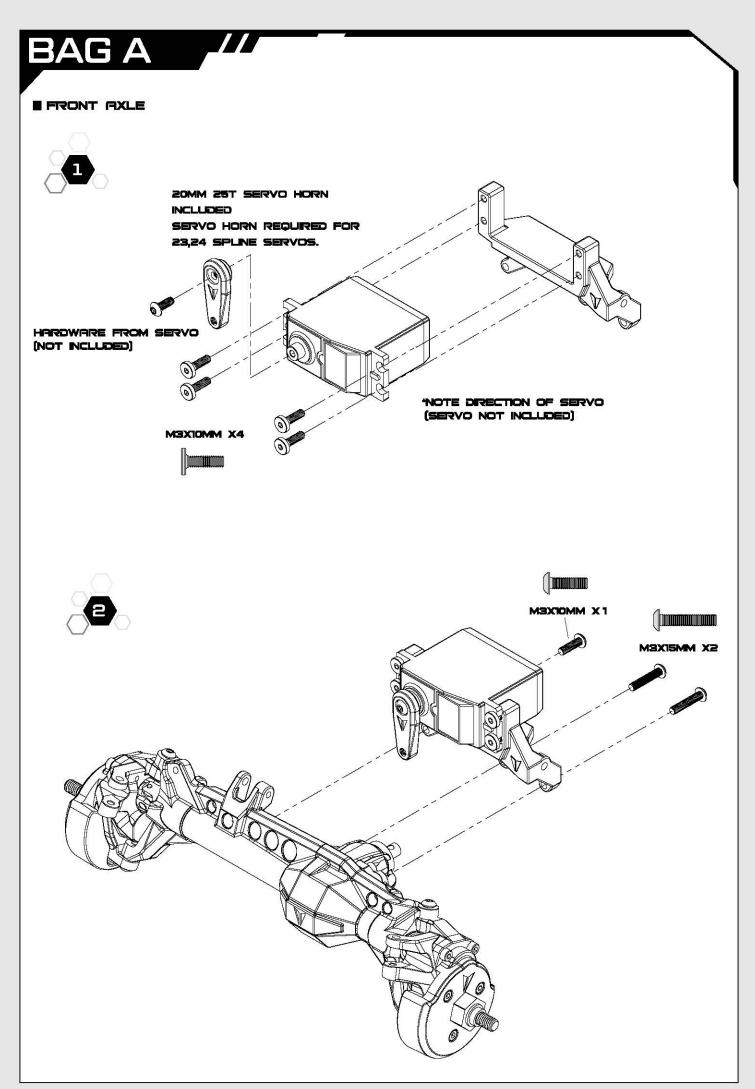
VPS08410 STANDARD TOOL SET

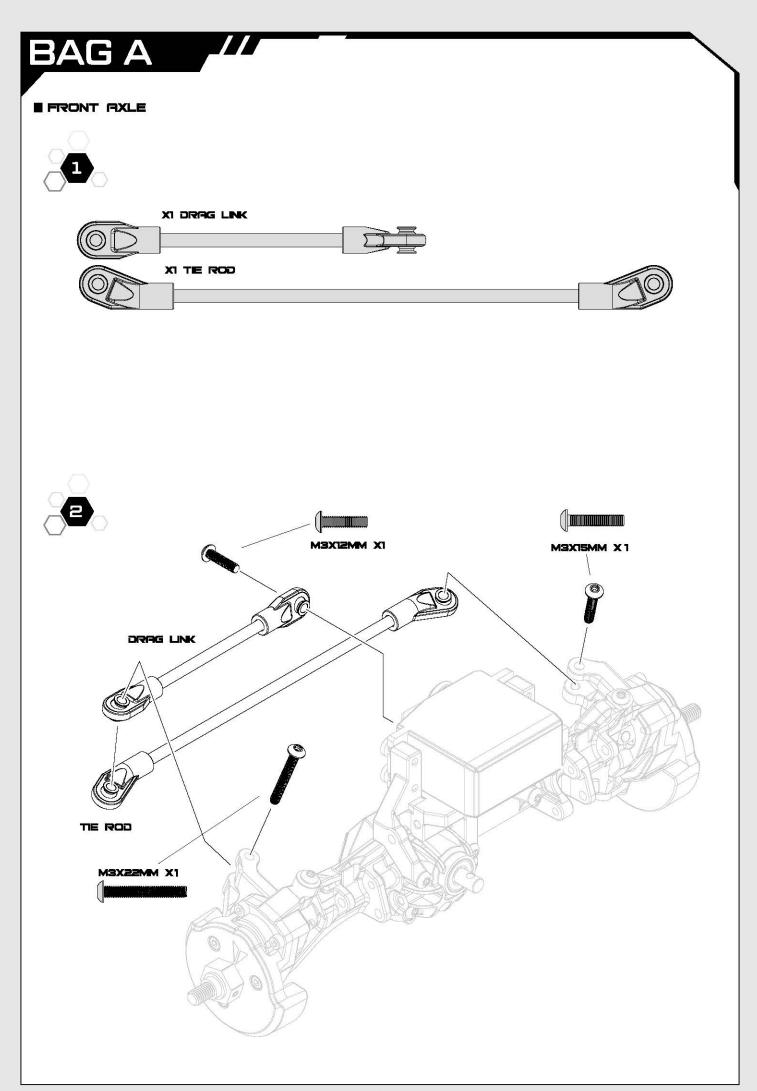
VPS08440 METRIC TOOL SET

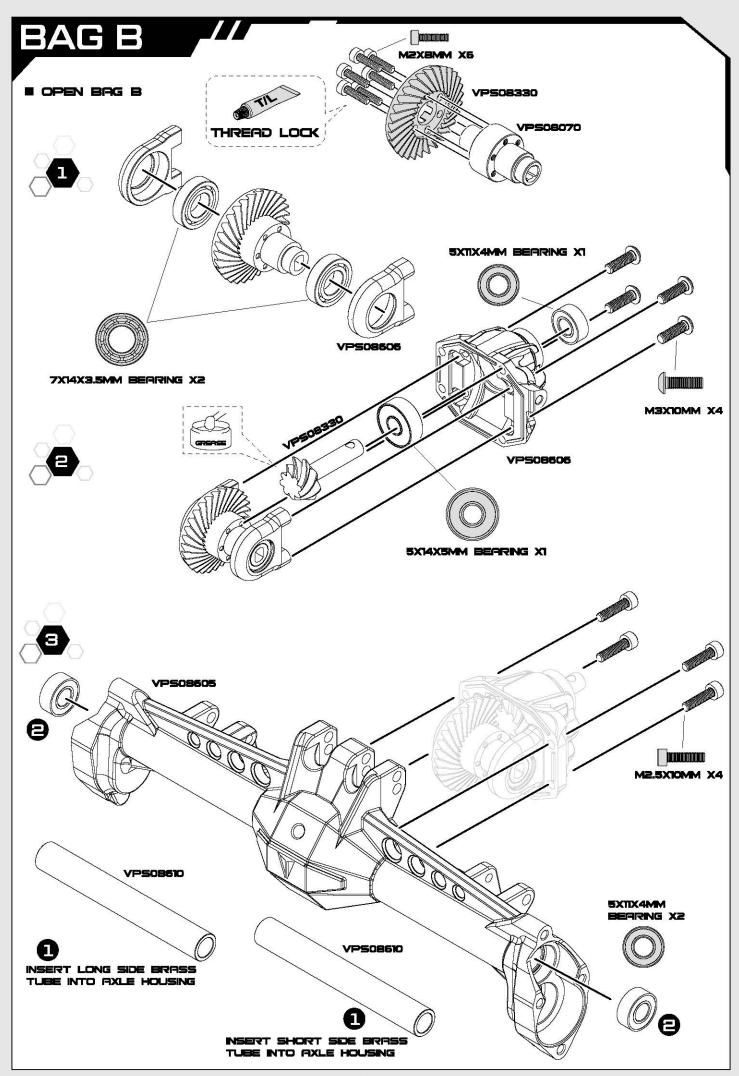
VPS08440 METRIC NUT DRIVER TOOL SET

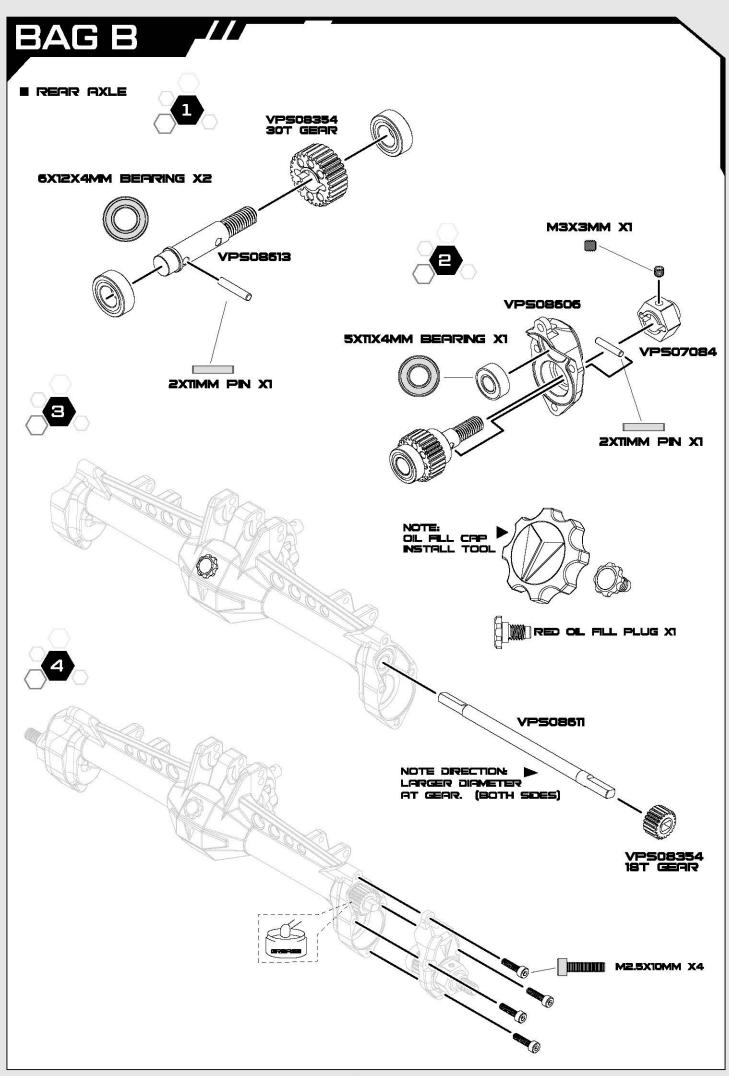


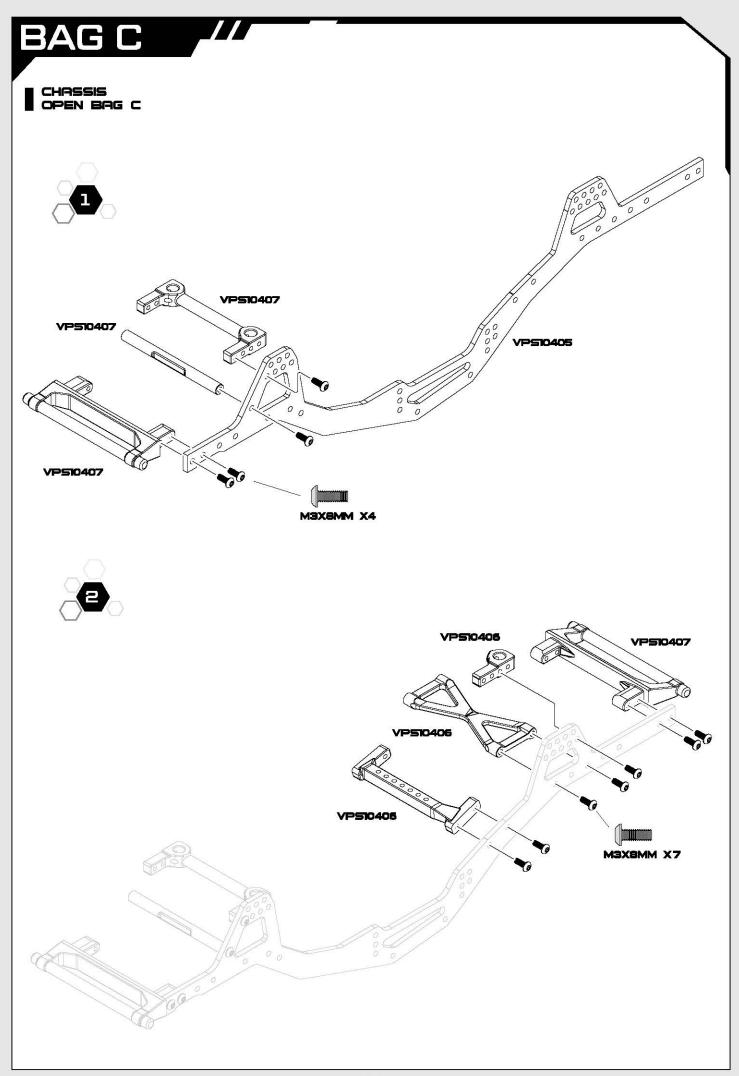


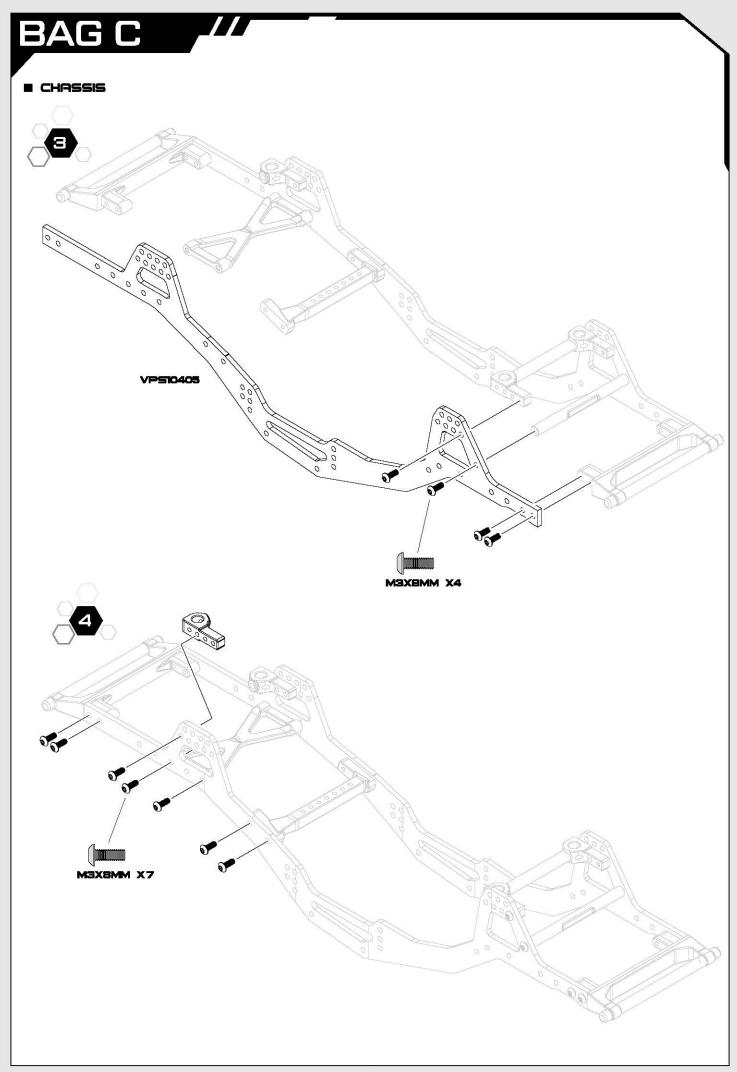




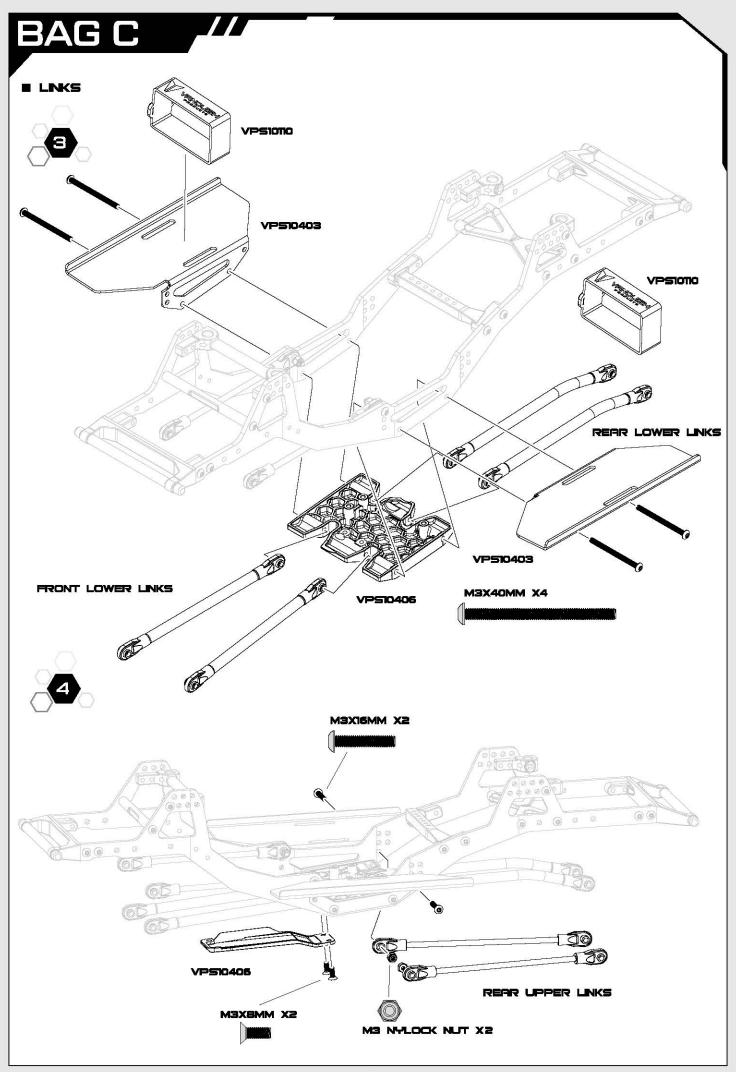


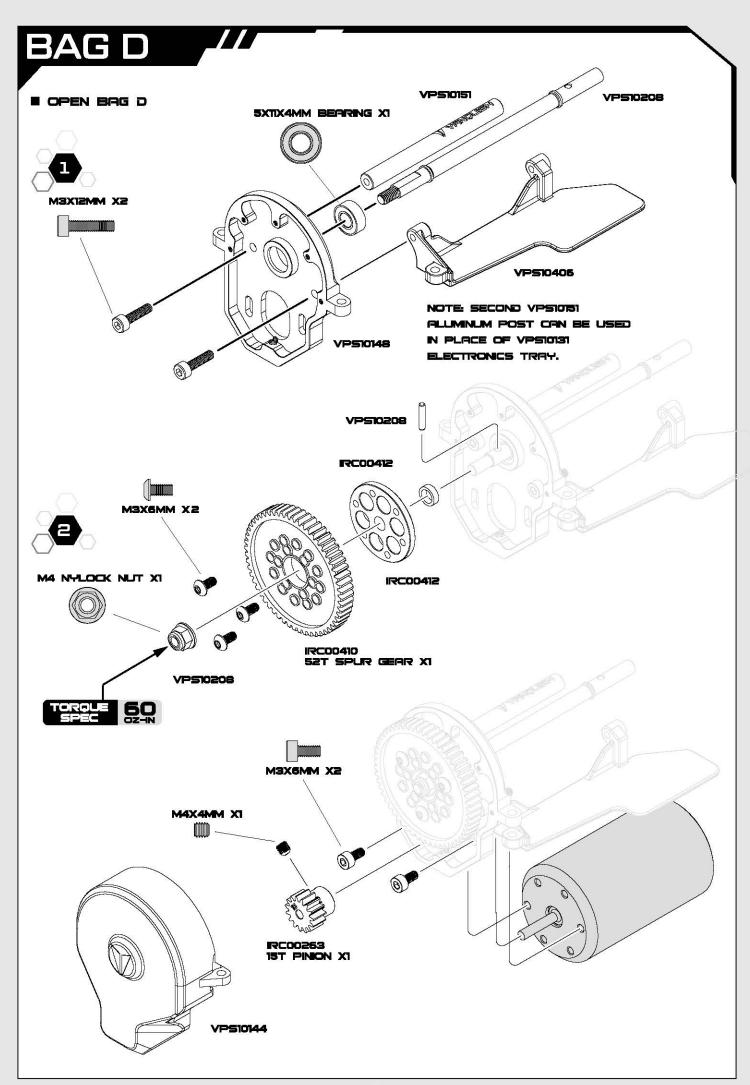


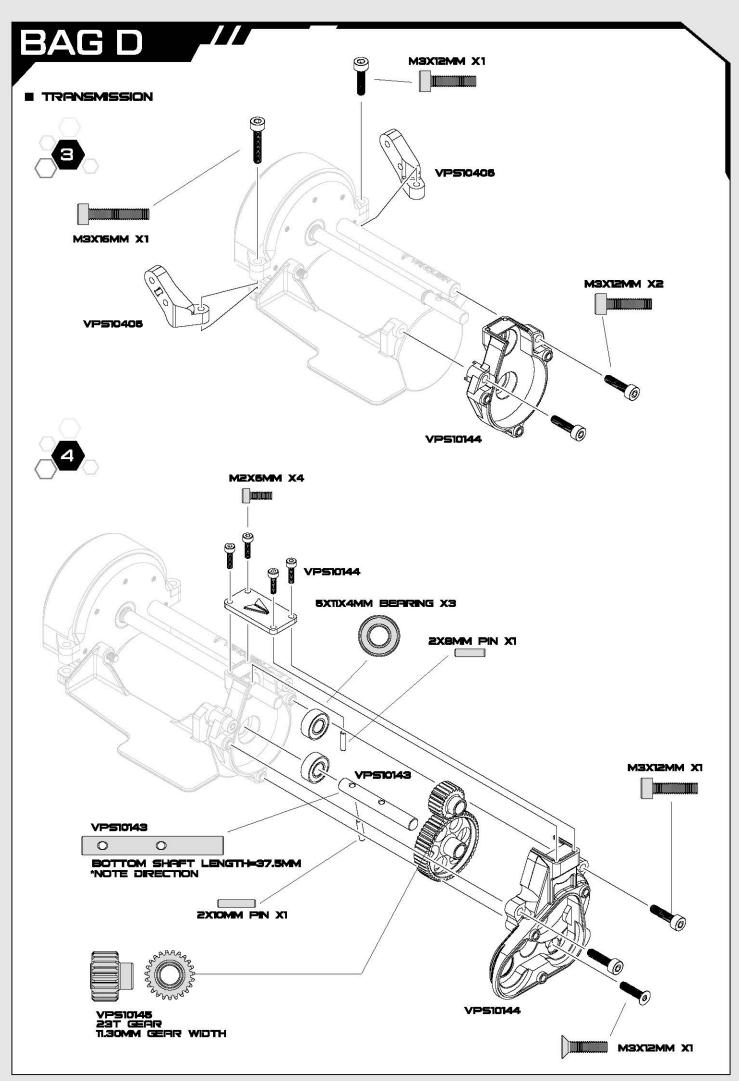


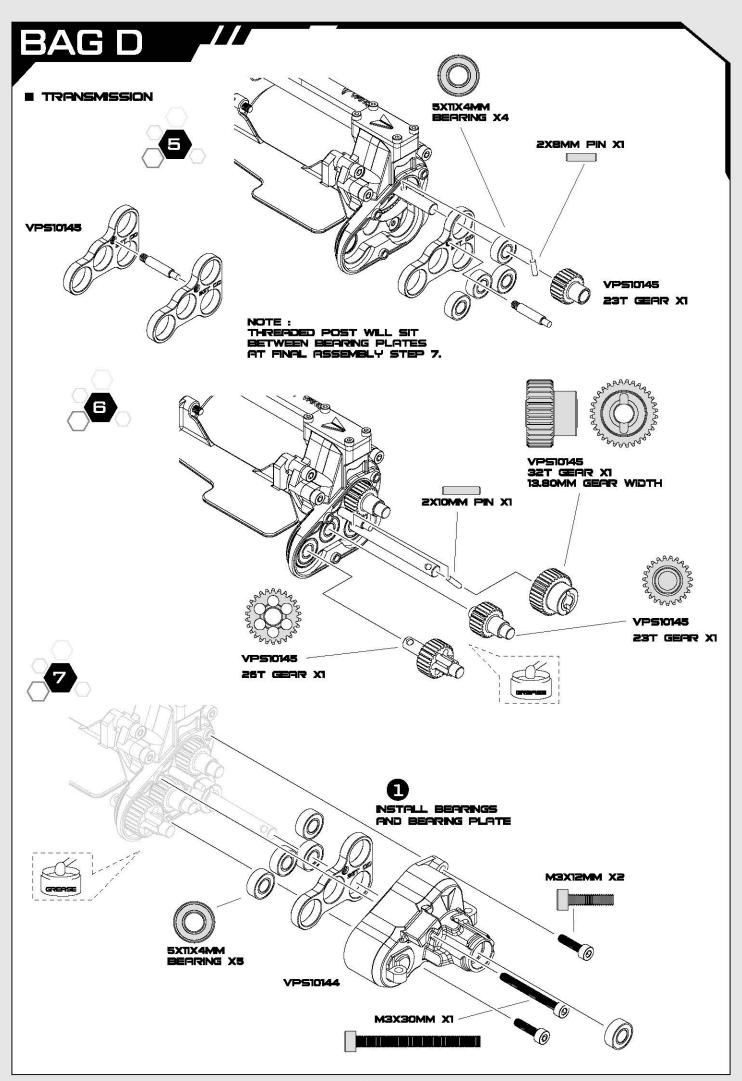


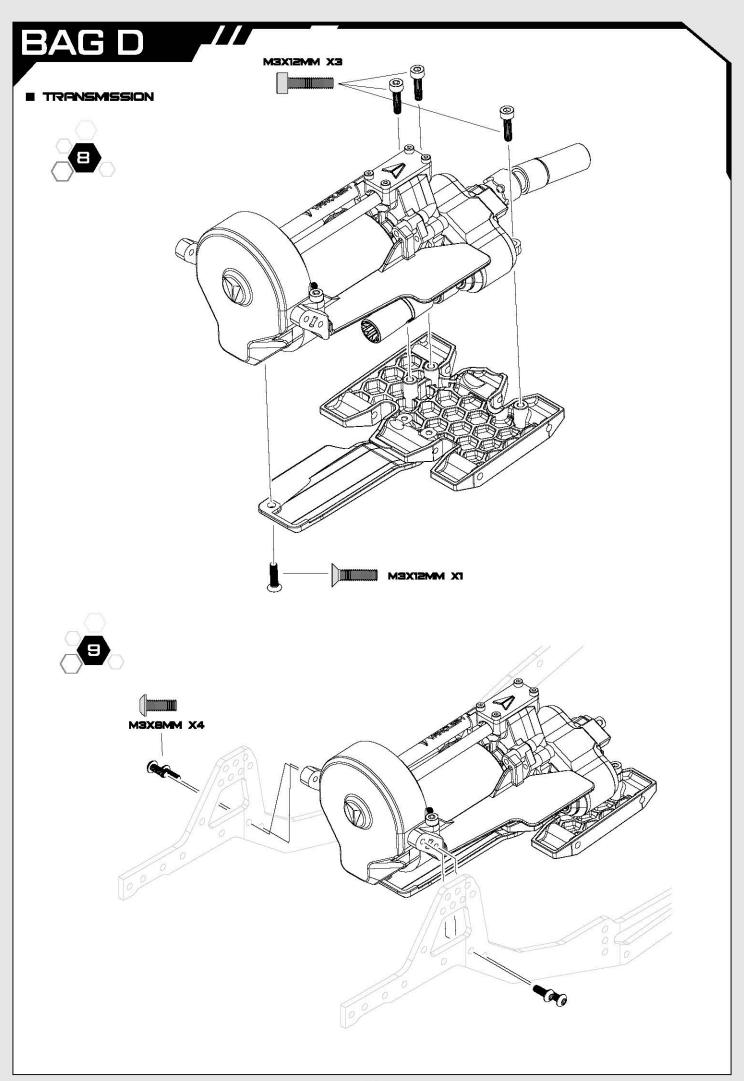
■ LNKS TO CHASSIS X2 REAR LOWER LINKS X2 REAR UPPER LINKS X2 FRONT LOWER LINKS XI FRONT UPPER LINK IRC00010 IRC00010 RC00305 M3X14MM X2 M3 NYLOCK NUT X2 FRONT UPPER LINK



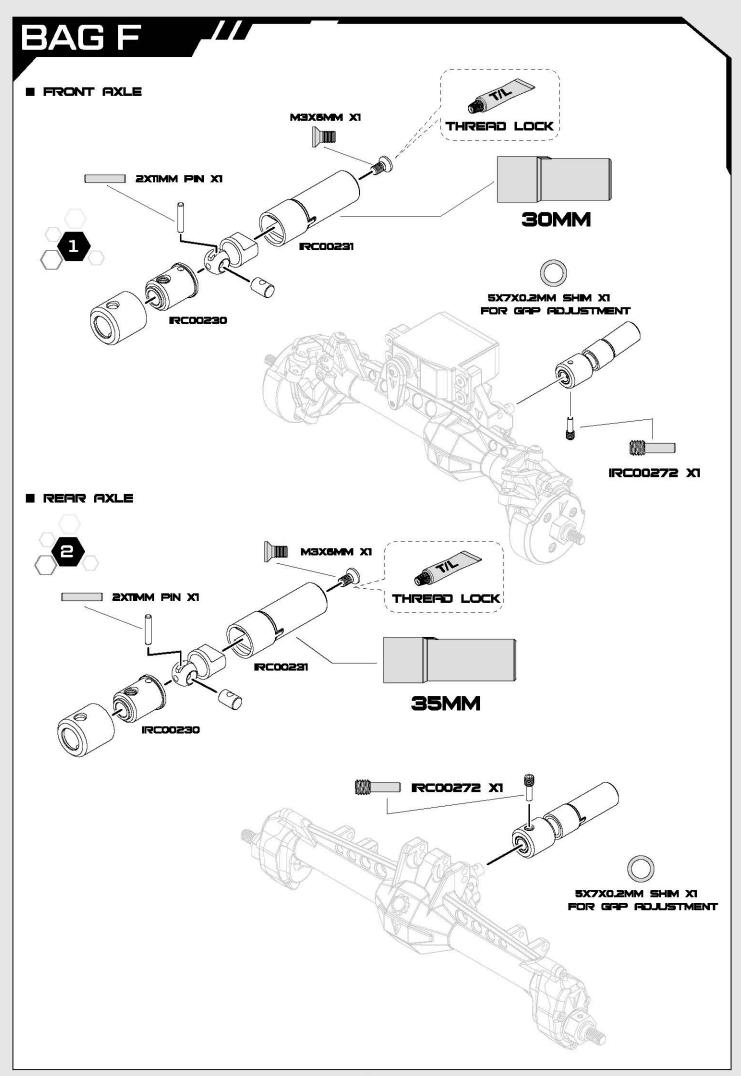


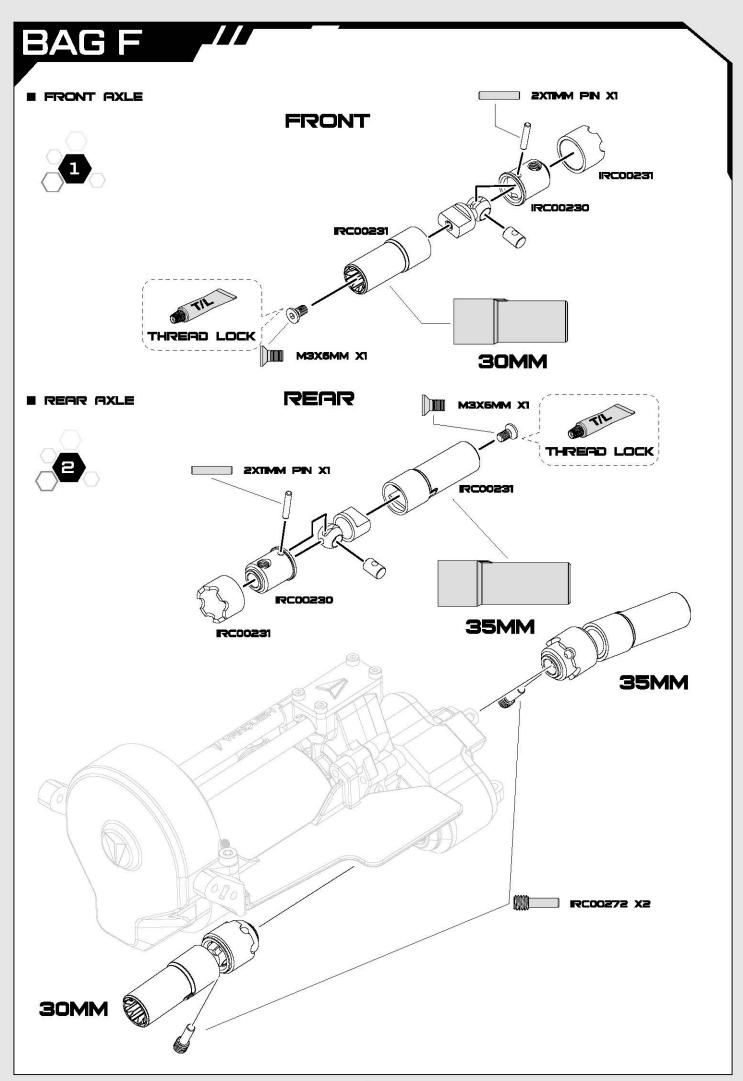


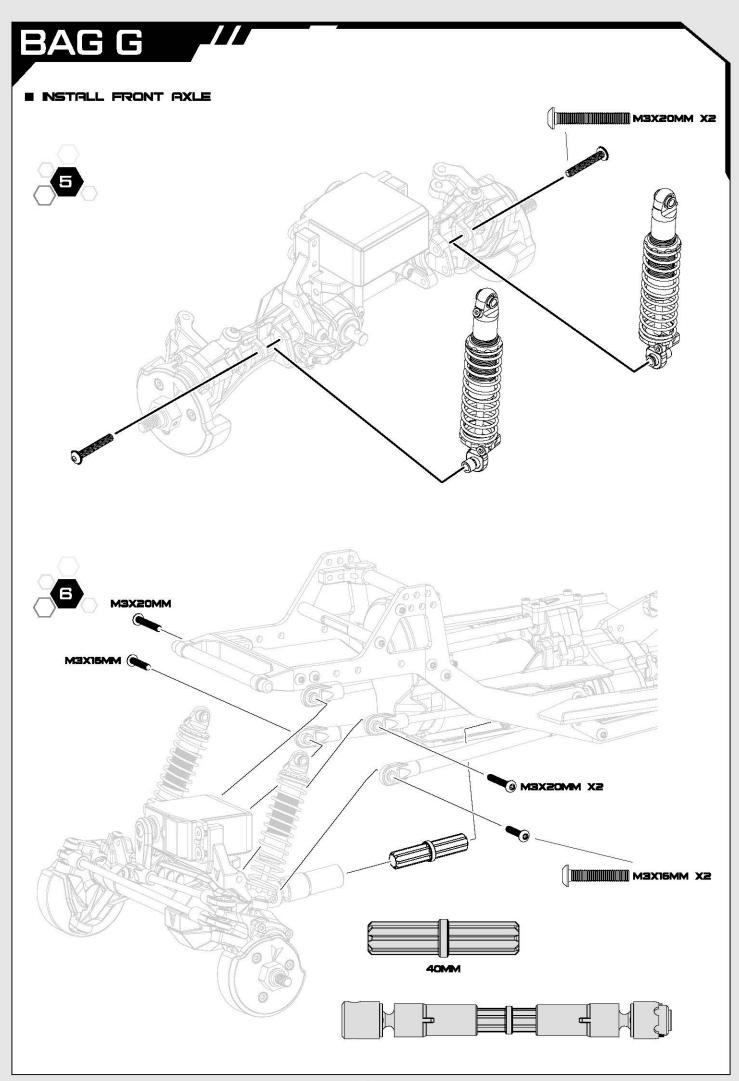


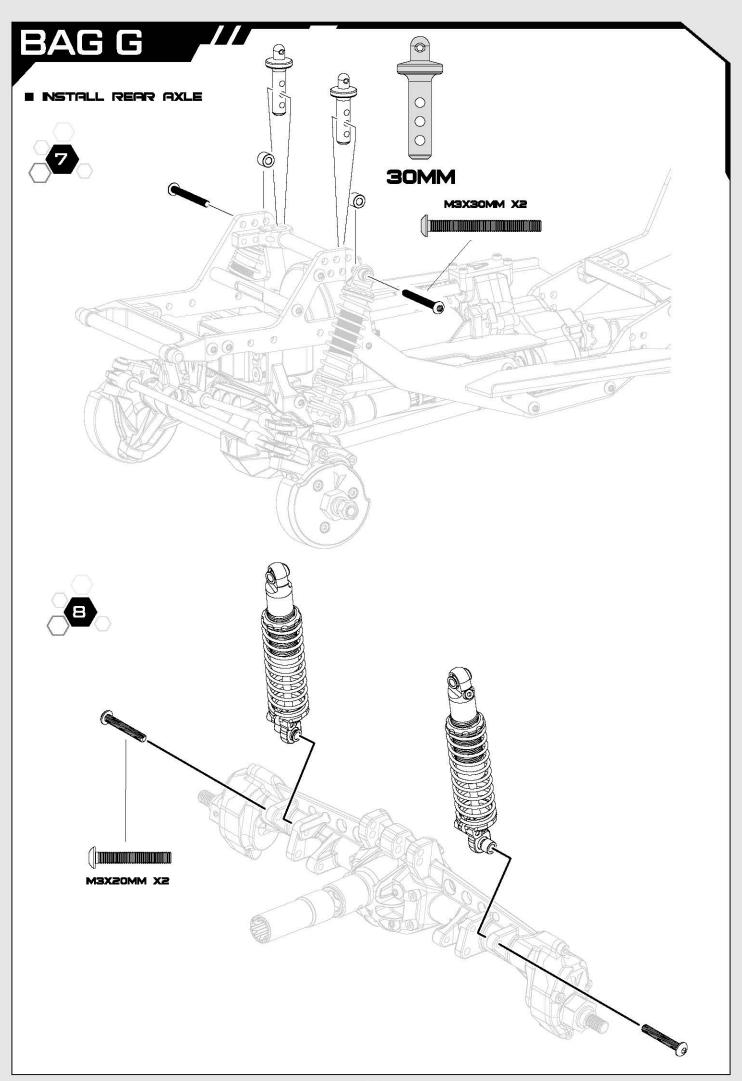


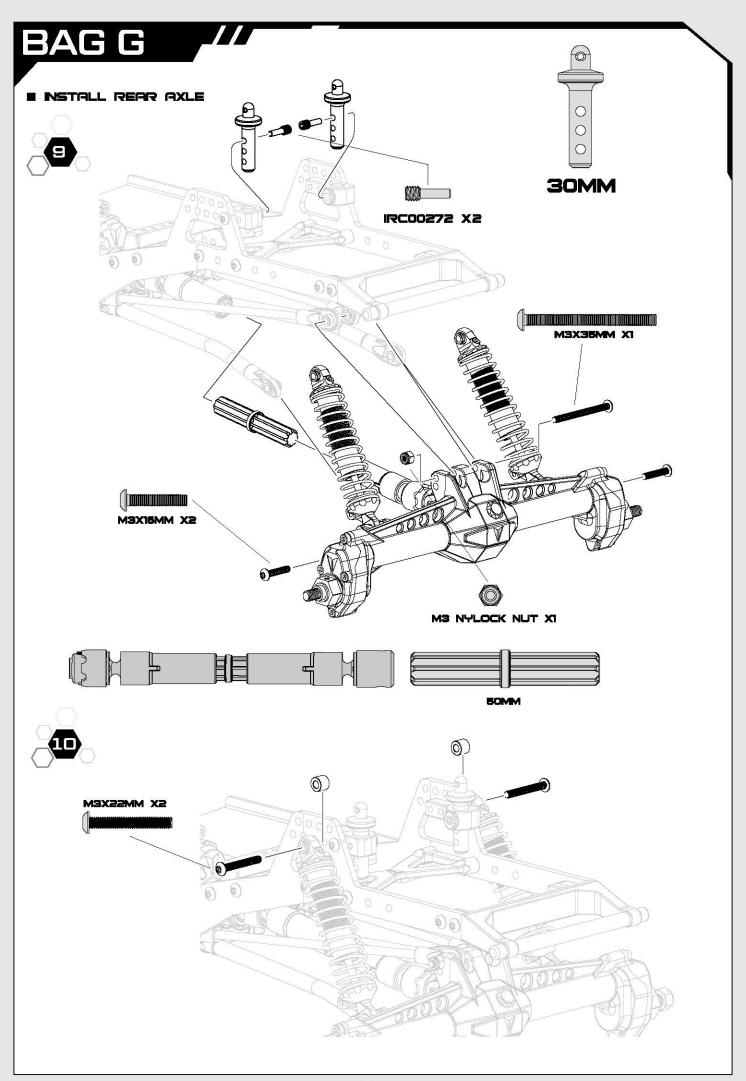
SHOCKS OPEN BAG E ASSEMBLY STEP 1 INSTALL O-RING IN CAP GROOVE M2X4MM 0 5~8MM * ASSEMBLY STEP 2 NOTE: SEE PAGE 24 FOR ALL SEE SHOCK SPARE PARTS AND OPTION PARTS. IRC00509 **D**). RC00513 IRC00502 RC00502 MZ.5XBMM RC00509

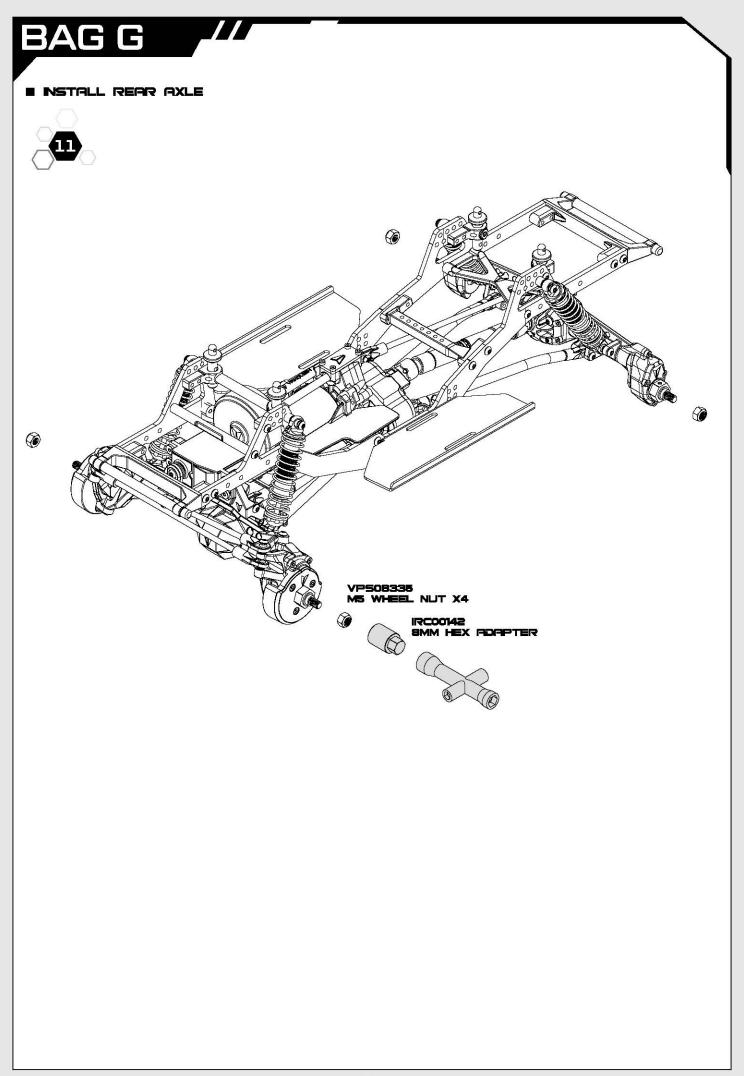














PART NUMBER

SPARE PARTS

IRC00013	PRO ROD ENDS WITH PIVOT BALLS (12)	VPS08600	F10 PORTAL FRONT AXLE SET
IRC00014	PRO BENT ROD ENDS WITH PIVOT BALLS (4)	VPS08601	F10 PORTAL REAR AXLE SET
IRC00206	F10 VRD SOA DRAG LINK AND TIE ROD SET	VPS08604	F10 PORTAL FRONT HOUSING
IRC00230	ISD10 DRIVESHAFT SET	VPS08605	F10 PORTAL REAR HOUSING
IRC00231	ISD10 REPLACEMENT PARTS TREE	VPS08606	F10 PORTAL AXLE COMPONENTS
IRC00263	15T 32P PINION	VPS08607	F10 PORTAL AXLE KNUCKLES
IRC00270	INCISION MOTOR PLATE CAPHEAD WASHER	VPS08608	F10 PORTAL VDI
IRC00271	INCISION KINGPIN SHOULDER SCREWS (4)	VPS08609	F10 PORTAL FRONT AXLE BRASS TUBES
IRC00272	M4 SCREW SHAFT (10)	VPS08610	F10 PORTAL REAR AXLE BRASS TUBES
IRC00273	BODY PINS (10)	VPS08611	F10 PORTAL REAR AXLE SHAFTS
IRC00275	WASHER HEAD SCREW (4)	VPS08612	F10 PORTAL FRONT STUB SHAFTS
IRC00304	126MM TIE ROD 4MM STRAIGHT	VPS08613	F10 PORTAL REAR STUB SHAFTS
IRC00305	VRD COMPLETE LINK SET	VPS10110	VANQUISH VELCRO STRAP
IRC00403	52T 32P SPUR GEAR	VPS10113	VS4-10 BODY POST SET
IRC00502	S8E SHOCK MOLDED COMPONENTS	VPS10144	VS4-10 VFD TRANSMISSION HOUSING
IRC00506	S8E 90MM SHOCK SHAFT	VPS10145	VFD LIGHTWEIGHT TRANSFER CASE GEAR SET
IRC00507	S8E SHOCK REBUILD KIT	VPS10148	VS4-10 VFD MACHINED MOTOR PLATE
IRC00508	E-2 CLIP	VPS10151	VS4-10 VFD ALUMINUM TRANS POST
IRC00509	S8E UPPER AND LOWER SHOCK PIVOT BALL SET	VPS10153	VFD LIGHTWEIGHT FRONT GEAR SET
IRC00521	S8E 90MM SHOCK BODY HARD ANODIZED	VPS10207	E-5 CLIP
VPS02420	POWDER METAL SERVO HORN	VPS10208	VFD SLIPPER SET
VPS07084	12MM PORTAL HEX	VPS10403	VRD S23 STAMPED SLIDERS
VPS08070	6 HOLE SPOOL / LOCKER	VPS10404	VRD S23 ALUMINUM CHASSIS RAILS
VPS08330	30T/8T HYPOID GEAR SET	VPS10405	VRD S23 CARBON CHASSIS RAILS
VPS08335	5MM NON-FLANGED WHEEL NUTS	VPS10406	VRD CHASSIS COMPONENTS MOLD
VPS08353	PORTAL OVERDRIVE GEAR SET (28T/20T)	VPS10407	VRD CHASSIS END CAPS AND BUMPER MOLD
VPS08354	PORTAL STANDARD GEAR SET (30T/18T)	VPS10412	PM KNUCKLE WEIGHTS
VPS08363	PORTAL REAR AXLE SHAFTS	VPS10414	ALUMINUM SHOCK SPACER - 5MM

■OPTION PARTS

IRC00220	INCISION DRIVESHAFT SET	VPS08602	F10 STRAIGHT FRONT AXLE SET
IRC00260	12T 32P PINION	VPS08603	F10 STRAIGHT REAR AXLE SET
IRC00261	13T 32P PINION	VPS08615	CURRIE F10 ALUMINUM FRONT AXLE HOUSING - BLACK ANODIZED
IRC00262	14T 32P PINION	VPS08616	CURRIE F10 ALUMINUM FRONT AXLE HOUSING - CLEAR ANODIZED
IRC00264	16T 32P PINIÓN	VPS08617	CURRIE F10 ALUMINUM REAR AXLE HOUSING - BLACK ANODIZED
IRC00265	17T 32P PINION	VPS08618	CURRIE F10 ALUMINUM REAR AXLE HOUSING - CLEAR ANODIZED
IRC00404	56T 32P SPUR GEAR	VPS08623	F10 FRONT AXLE THIRD MEMBER - BLACK ANODIZED
IRC00500	S8E 80MM SHOCK SET	VPS08624	F10 FRONT AXLE THIRD MEMBER - CLEAR ANODIZED
IRC00501	S8E 90MM SHOCK SET	VPS08625	F10 REAR AXLE THIRD MEMBER - BLACK ANODIZED
IRC00503	SBE 80MM SHOCK BODY	VPS08626	F10 REAR AXLE THIRD MEMBER - CLEAR ANODIZED
IRC00504	SBE 80MM SHOCK SHAFT	VPS08640	F10 PORTAL ALUMINUM FRONT KNUCKLE - BLACK ANODIZED
IRC00505	S8E 90MM SHOCK BODY	VPS08641	F10 PORTAL ALUMINUM FRONT KNUCKLE - CLEAR ANODIZED
IRC00510	S8E TINI 80MM SHOCK SHAFT	VPS08650	BRASS F10 PORTAL KNUCKLE WEIGHT
IRC00511	S8E TINI 90MM SHOCK SHAFT	VPS08651	BRASS F10 REAR PORTAL COVER WEIGHT
IRC00512	S8E 80MM SPRING SET	VPS10102	VXT2 1.9 TIRES RED COMPOUND
IRC00513	S8E 90MM SPRING SET	VPS10131	VS4-10 MACHINED PANHARD MOUNT
IRC00514	S8E MACHINED SHOCK CAP Black	VPS10148	VFD ALUMINUM MOTORPLATE BLACK
IRC00515	S8E MACHINED SHOCK CAP Orange	VPS10209	VFD SLIPPER LOCKOUT SET
IRC00516	S8E MACHINED SHOCK CAP Blue	VPS10306	4.75" STANCE PRO FOAMS
IRC00517	S8E MACHINED Spring COLLAR SET Black	VPS10401	VRD CMS KIT
IRC00518	S8E MACHINED Spring COLLAR SET Orange	VPS10402	STUBBY CONVERSION KIT
IRC00519	S8E MACHINED Spring COLLAR SET Blue	VPS10408	VRD STUBBY MOLDED COMPONENTS
IRC00520	S8E 80MM SHOCK BODY HARD ANODIZED	VPS10409	STANCE CLEAR BODY
IRC00522	S8E MACHINED PISTON SET	VPS10410	STANCE BODY PRE PAINTED SILVER
IRC00530	KMC KM237 RIOT BEADLOCK	VPS10411	STANCE BODY PRE PAINTED GREEN
VPS08331	AR44 AXLE UNDERDRIVE GEAR SET - 33T/8T	VPS10413	PM HEAVY 0.8 CLAMP RINGS



GEAR RATIO CHART

Front Axle Ratio: 5.25:1 Rear Axle Ratio: 6.25:1 Transmission Ratio Rear Output: 10.90:1 Transmission Ratio Front Output: 8.86:1 Transmission Overdrive: 21% Total Overdrive Ratio: 37%

Note: Not all Spur and Pinion combinations are compatible

Rear Ratio without spur/pinion

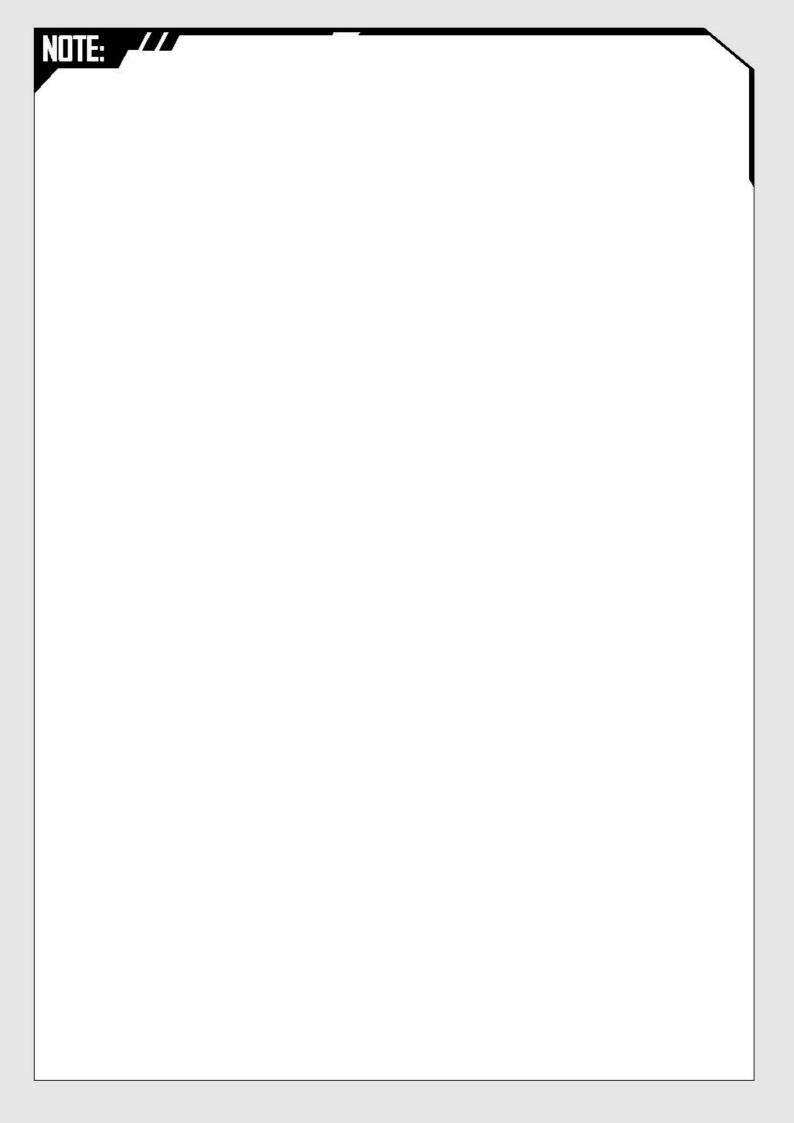
19.66:1

32P Rear output Ratio					
	Spur Ge	ar			
Pinion	48	50	52	54	56
11	85.8	89.4	92.9	96.5	100.1
12	78.6	81.9	85.2	88.5	91.7
13	72.6	75.6	78.6	81.7	84.7
14	67.4	70.2	73.0	75.8	78.6
15	62.9	65.5	68.2	70.8	73.4
16	59.0	61.4	63.9	66.4	68.8
17	55.5	57.8	60.1	62.4	64.8

Rear Ratio without spur/pinion

13.42:1

32P Front Output Drive Ratio (37% Overdrive)						
	Spur Gea	ır				
Pinion	48	50	52	54	56	
11	58.6	61.0	63.4	65.9	68.3	
12	53.7	55.9	58.1	60.4	62.6	
13	49.5	51.6	53.7	55.7	57.8	
14	46.0	47.9	49.8	51.8	53.7	
15	42.9	44.7	46.5	48.3	50.1	
16	40.3	41.9	43.6	45.3	47.0	
17	37.9	39.5	41.0	42.6	44.2	

















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