1/6TH SCALE ELECTRIC

INSTRUCTION MANUAL

SDT

SUPER DESERT TRUCK

TROPHY TRUCK



www.bwsracing.com

30°N SUPER DESERT TRUCK

CAUTIONS

To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as outlined herein.

CHOOSE THE RIGHT PLACE TO OPERATE YOUR R/C MODEL.

- Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or damage.
- Never run R/C models near people or animals.
- To avoid injury, do not run in confined spaces.
- Do not run where loud noises can disturb others, such as hospitals and residential areas.
- Never run indoors. There is high risk of fire and/or damage.

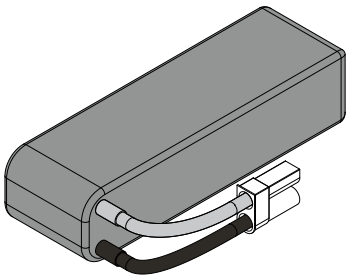
INSPECT YOUR MODEL BEFORE OPERATION.

- Make sure that screws and nut are properly tightened. It is also a good idea to use removable thread lock wherever metal screws go into metal, especially for engine mounts and the engine pilot shaft.
- Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model.
- Always test the brakes and throttle before starting your engine to avoid losing control of the model.
- Make sure no one else is using the same radio frequency as you are using.

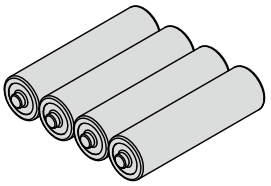
AFTER OPERATION OF YOUR R/C MODEL.

- Turn off receiver first, then turn off transmitter, this will prevent runaways.
- Be careful when handling batteries, they will be hot after running.
- Replace any batteries that have been dented or have frayed wires, short circuits can cause fire.
- Be sure to keep your R/C model clean of excess dirt and grease, this will increase the life.

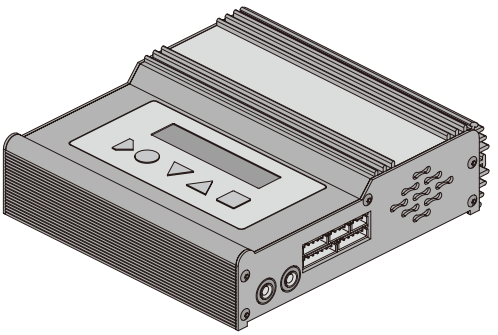
Components



3-8S Li-Po battery

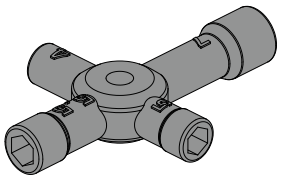


AA battery ×8

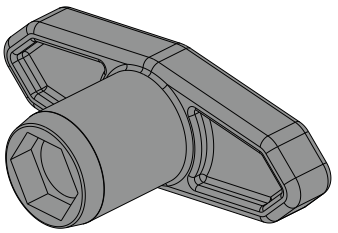


Charger

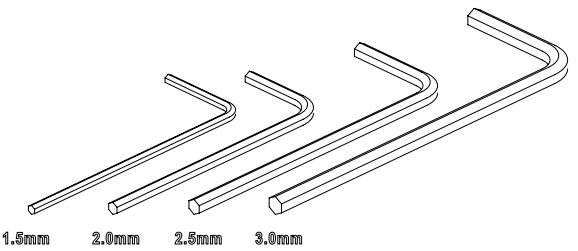
Supplied Tools and Equipment



4-way wrench



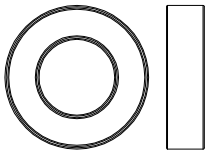
Wheel wrench





89138 ×8

M3×16 Flat head screw



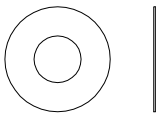
89122 ×4

Bearing φ10×φ19×5



89116 ×4

O ring D10×φ2



89125 ×4

Washer φ6×φ14×0.3



89067 ×4

Diff pin



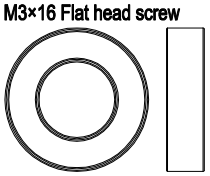
89114 ×4

Pin φ2.5×10mm



89138 ×4

M3×16 Flat head screw



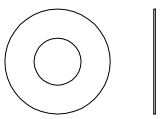
89122 ×2

Bearing φ10×φ19×5



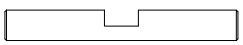
89116 ×2

O ring D10×φ2



89125 ×2

Washer φ6×φ14×0.3



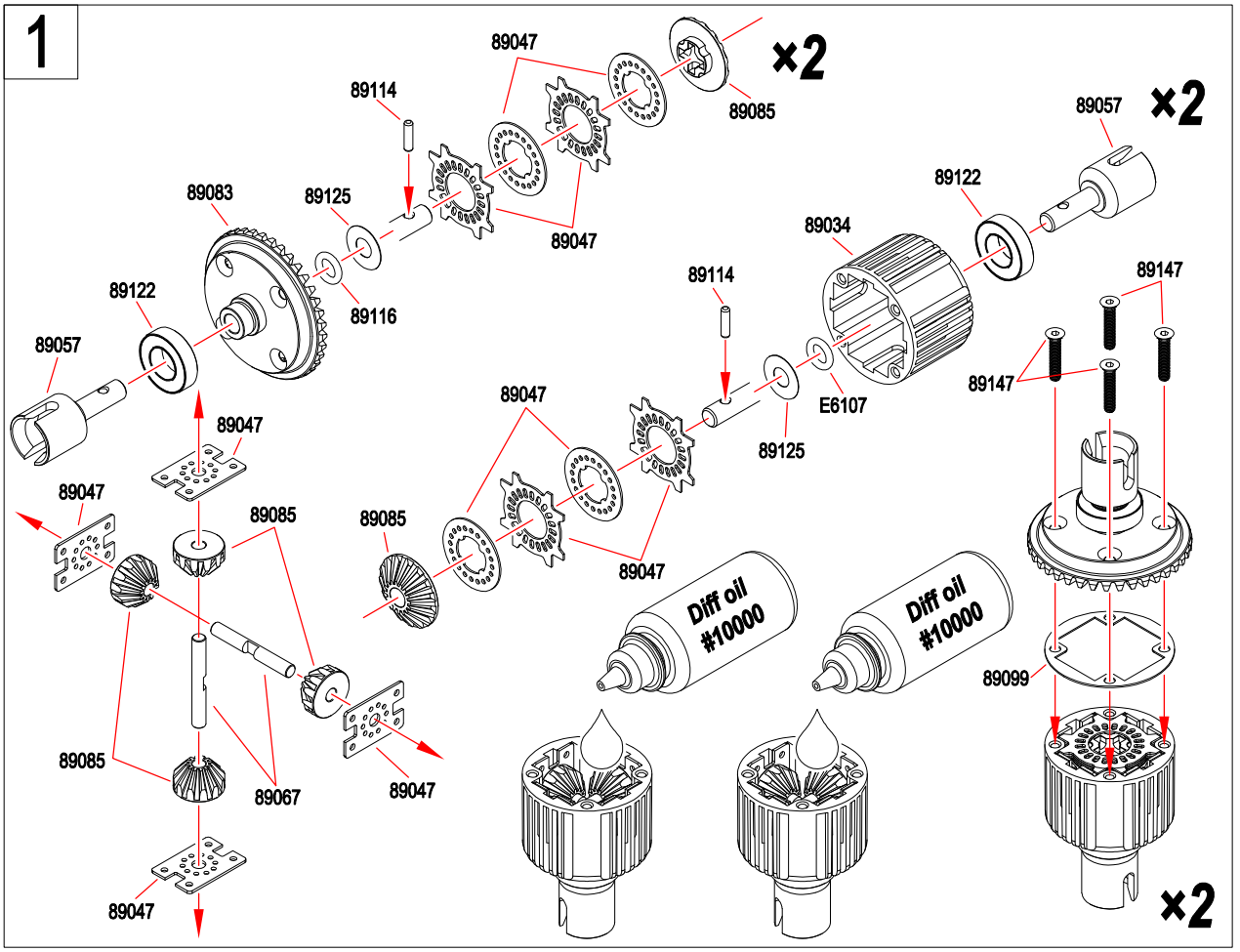
89067 ×2

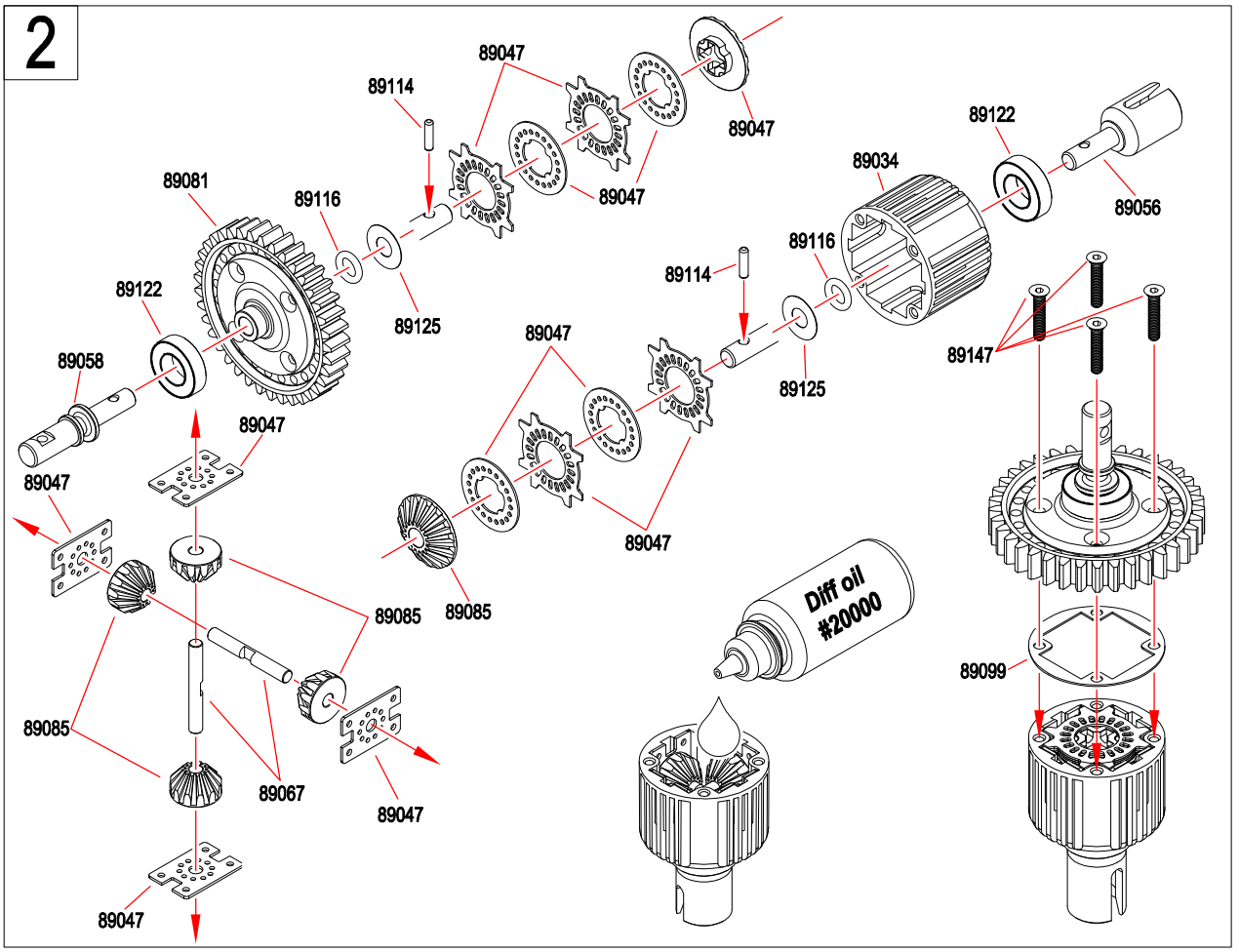
Diff pin



89114 ×2

Pin φ2.5×10mm







89170 ×3

M3×10 Cap head screw



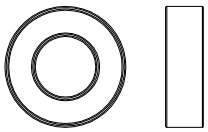
89127 ×3

M3 Nylon nut



89071 ×1

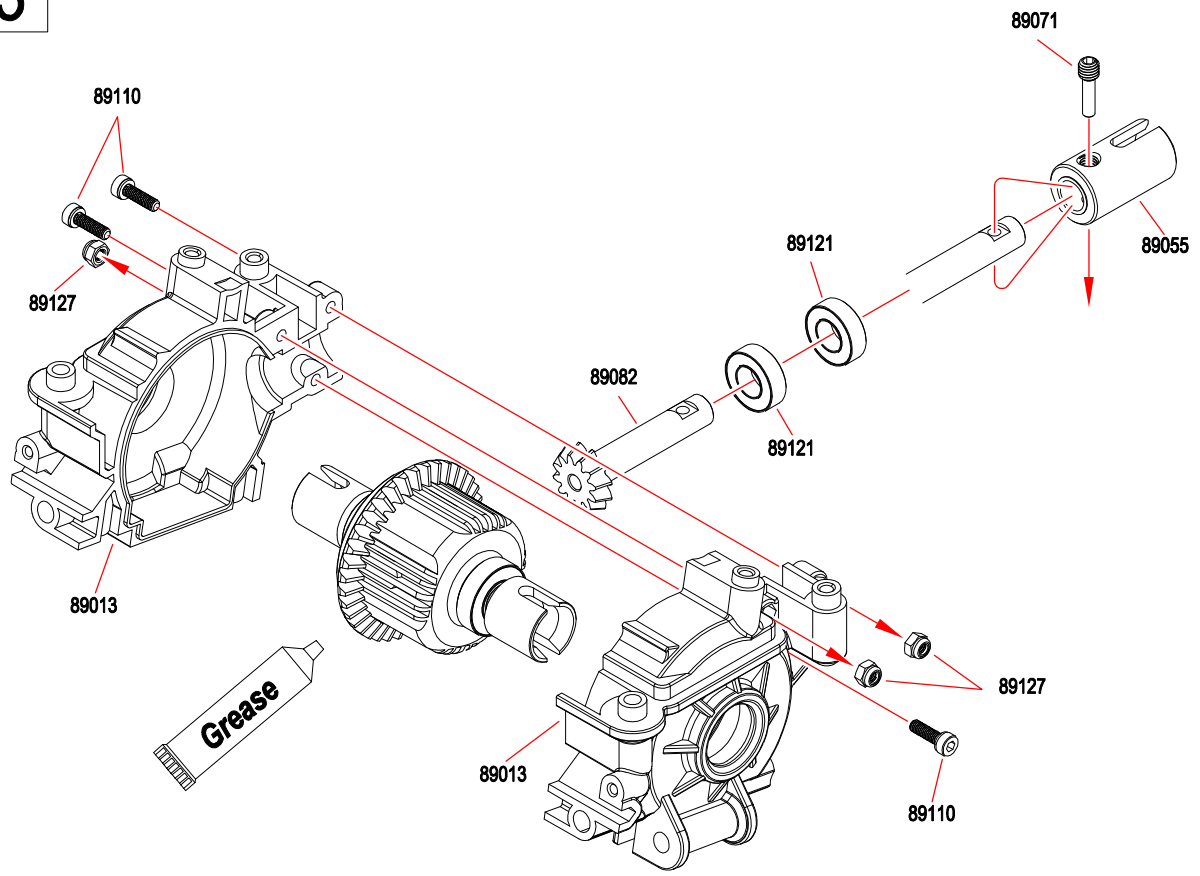
M5×5×16mm Screw shaft



89121 ×2

Bearing φ8×φ16×5

3

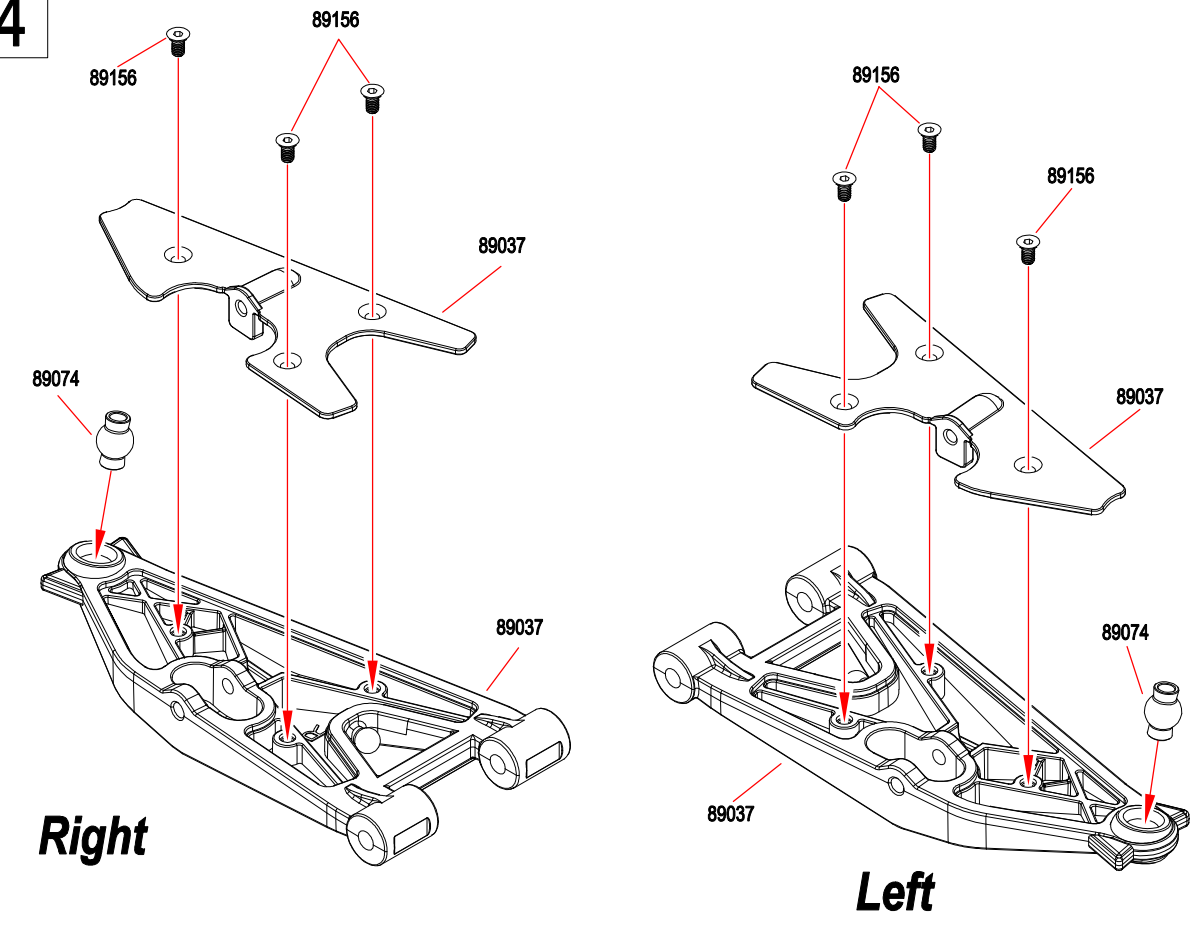




89156 ×6

M3×6 Flat head screw

4



89135 ×2
M3×10 Button head screw

89145 ×2
M4×12 Button head screw

89131 ×2
M4×4 Set screw

89132 ×2
M4×6 Set screw

89126 ×2
H5 C clip

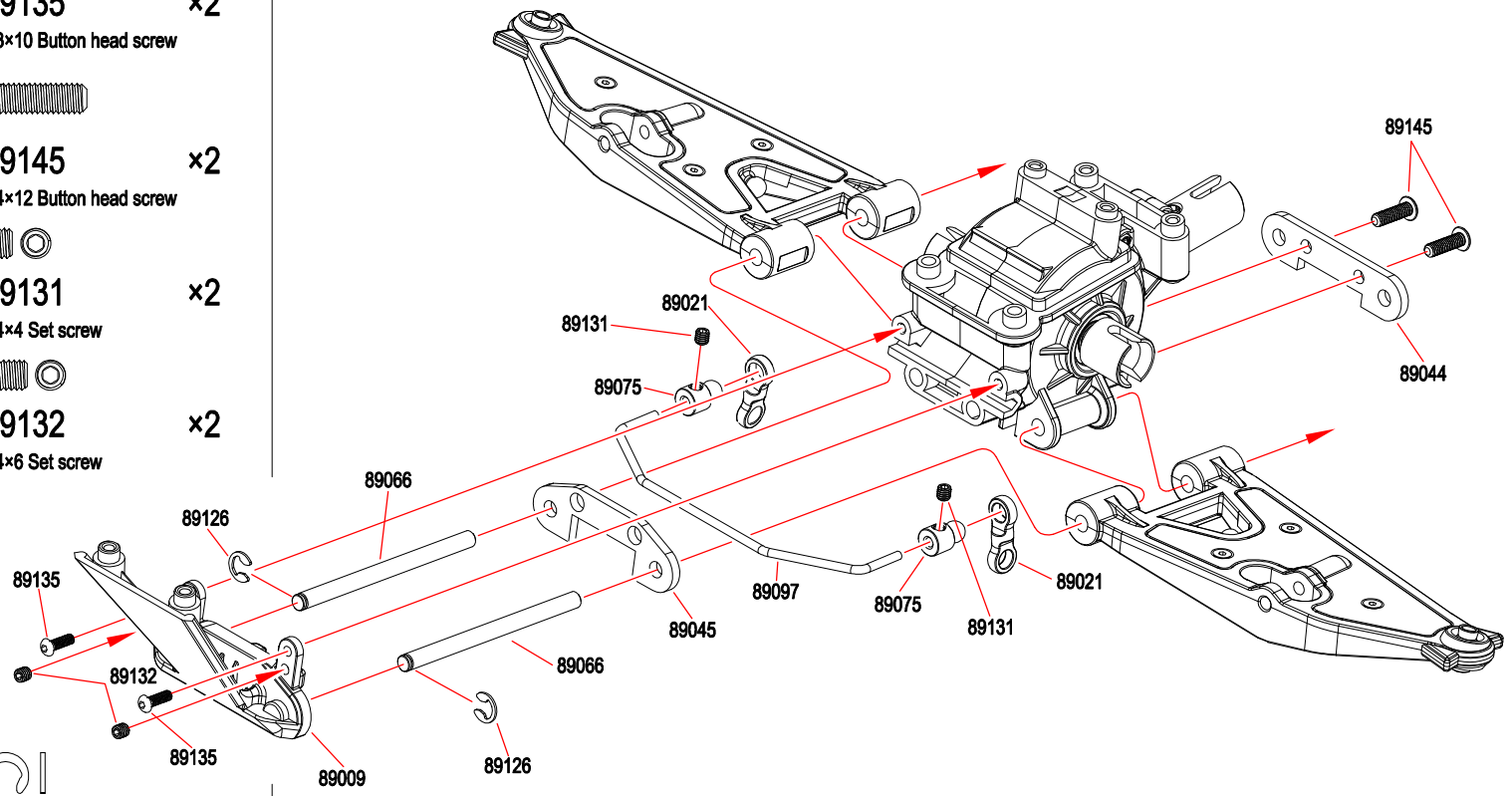
89169 ×6
M3×8 Cap head screw

89132 ×2
M4×6 Set screw

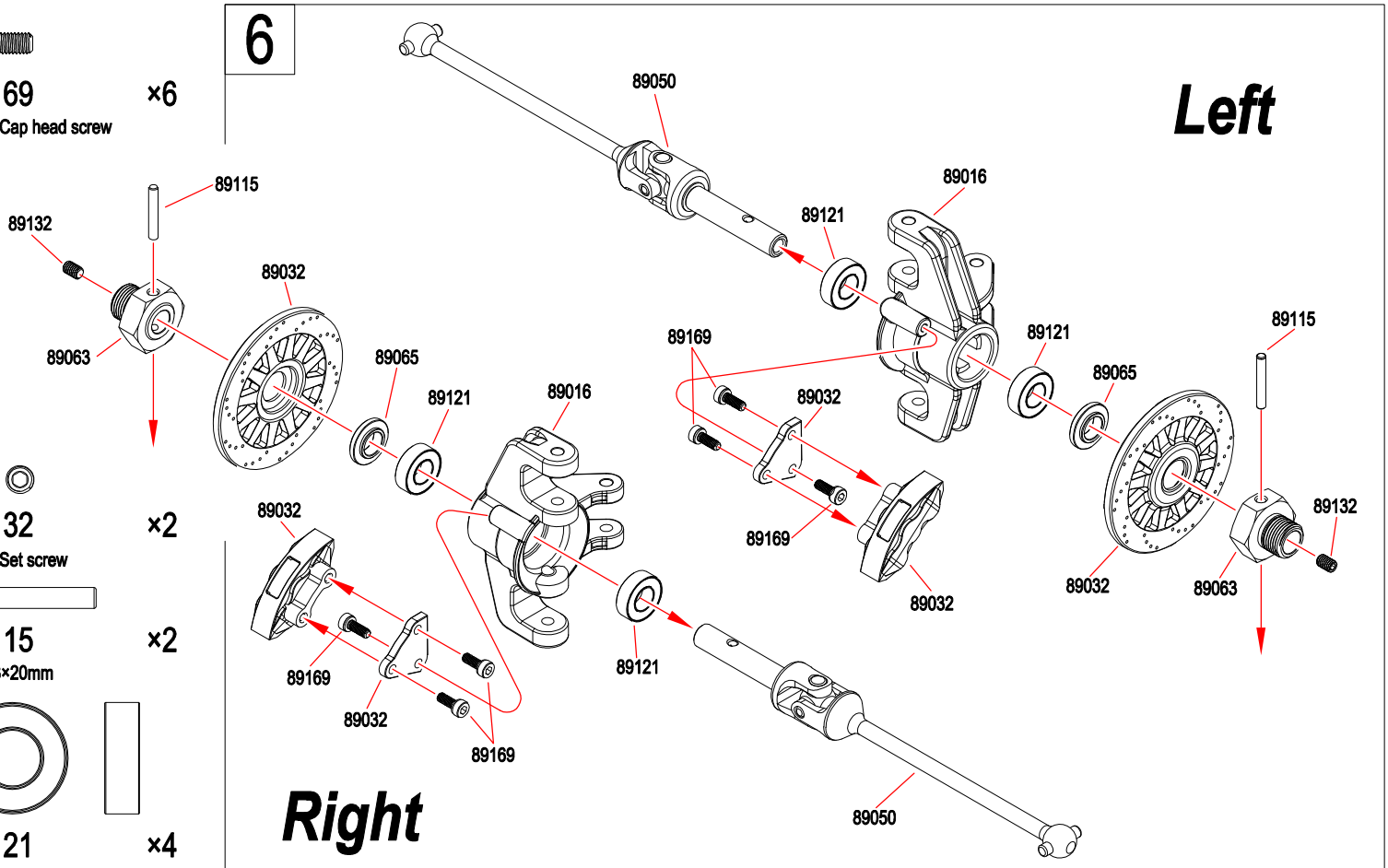
89115 ×2
Pin φ3×20mm

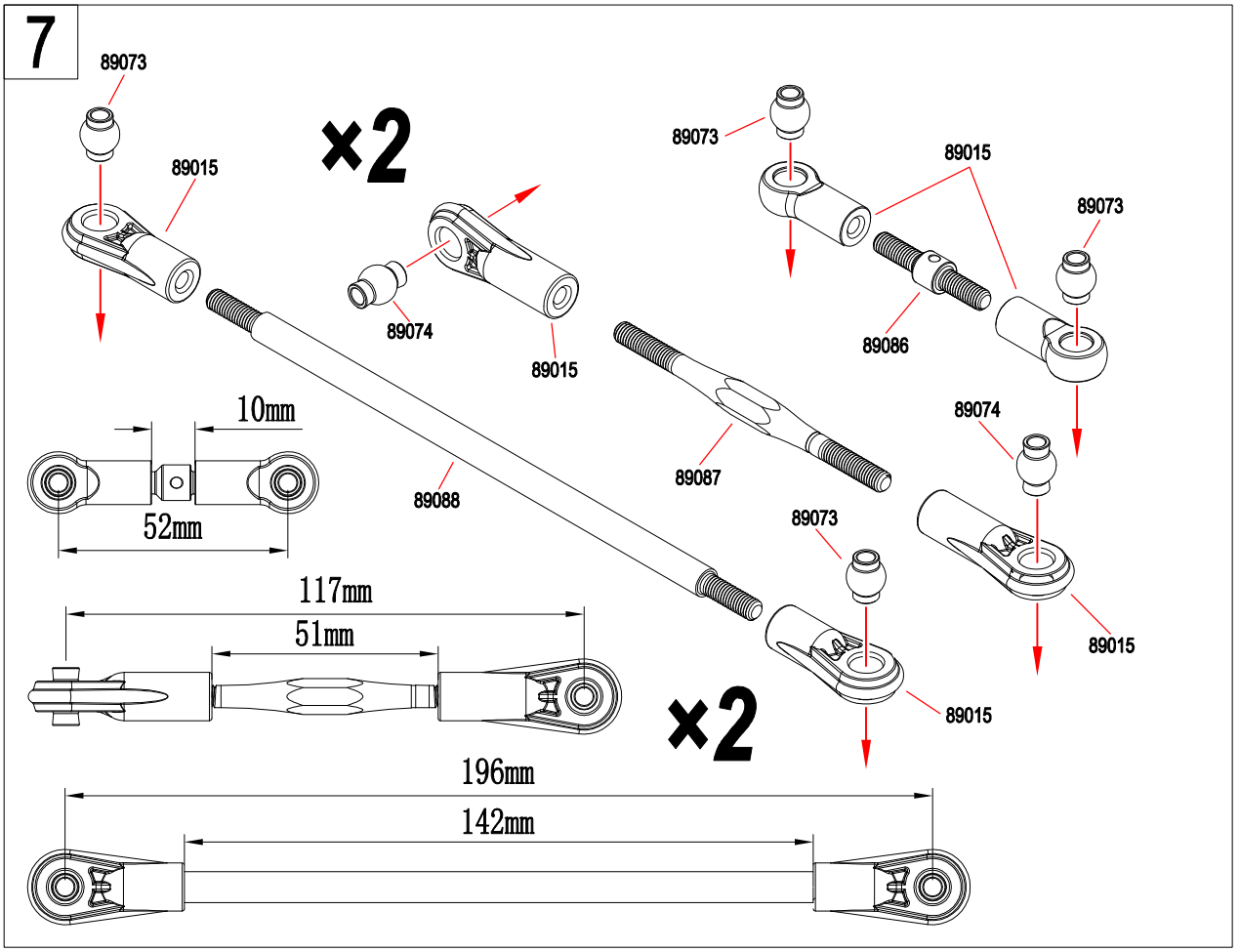
89121 ×4
Bearing φ8×φ16×5

5



6







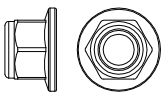
89150 ×1

M4×22 Button head screw



89128 ×1

M4 Nylon nut



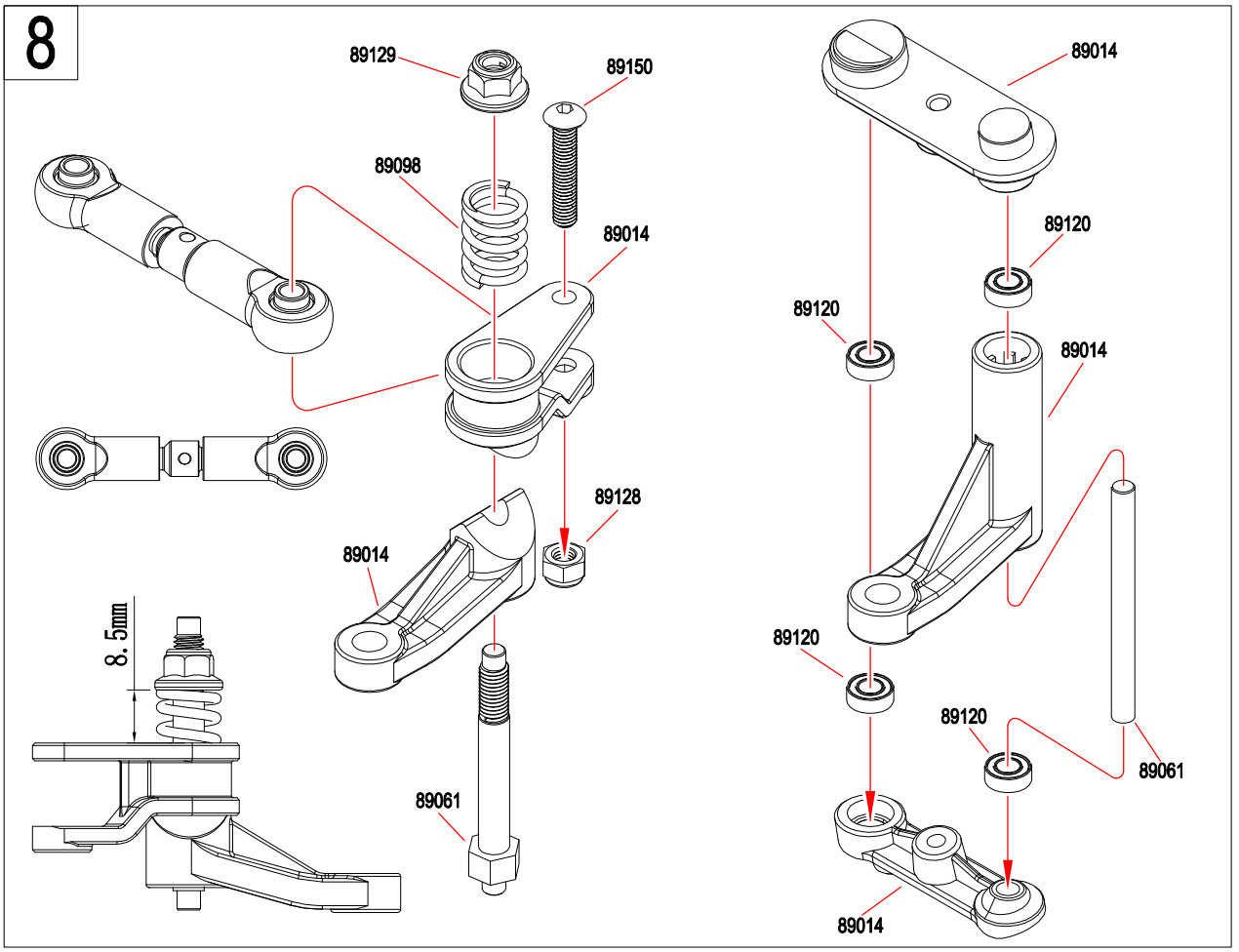
89129 ×1

M5 Flanged nylon nut



89120 ×4

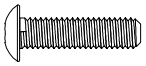
Bearing φ4×φ8×3





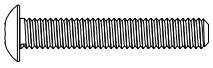
89136 ×2

M3×12 Button head screw



89147 ×2

M4×16 Button head screw



89151 ×2

M4×25 Button head screw



89128 ×4

M4 Nylon nut



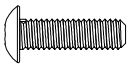
89168 ×1

M2.5×8 Cap head screw



89134 ×1

M3×8 Button head screw



89146 ×4

M4×14 Button head screw



89128 ×1

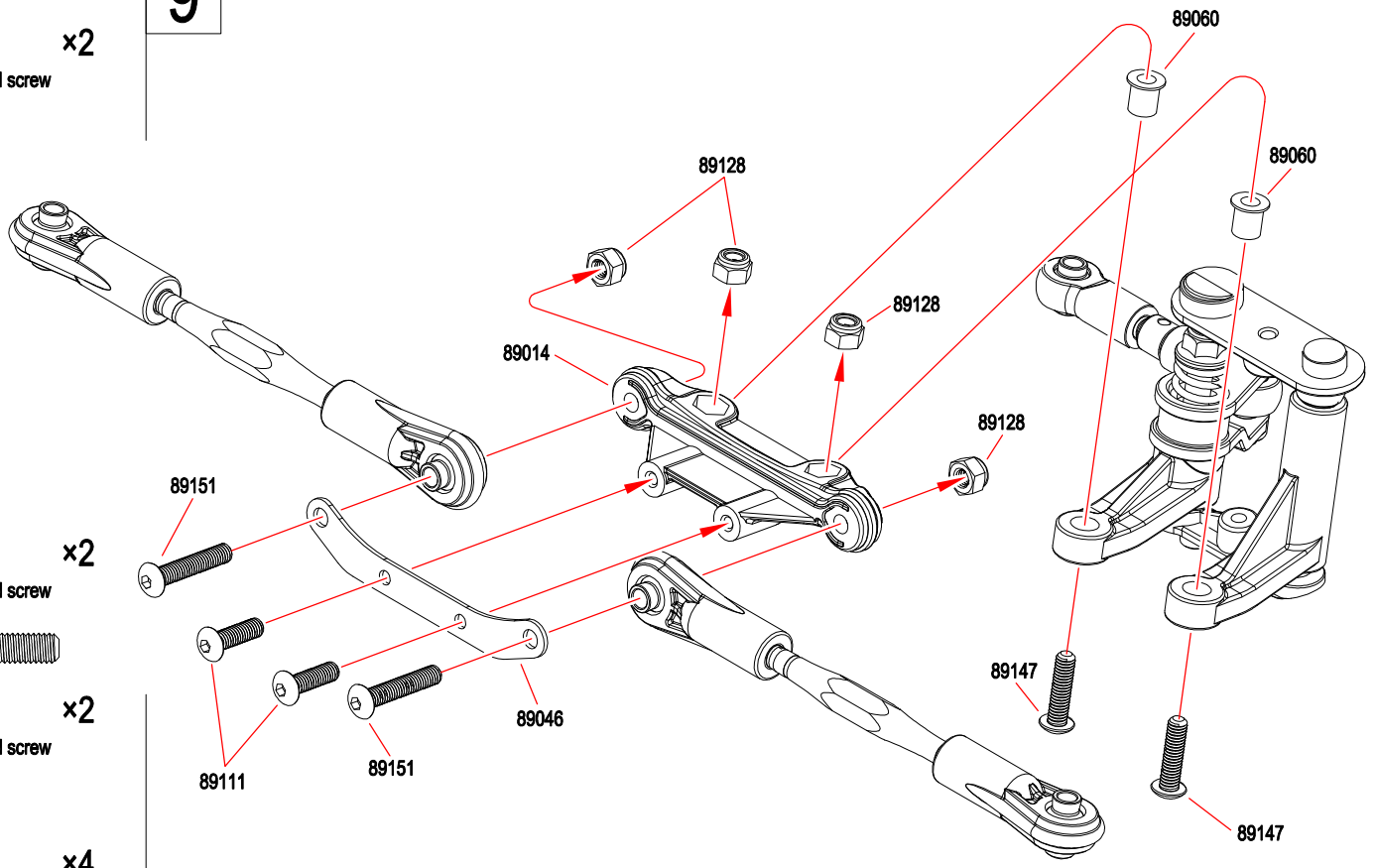
M4 Nylon nut



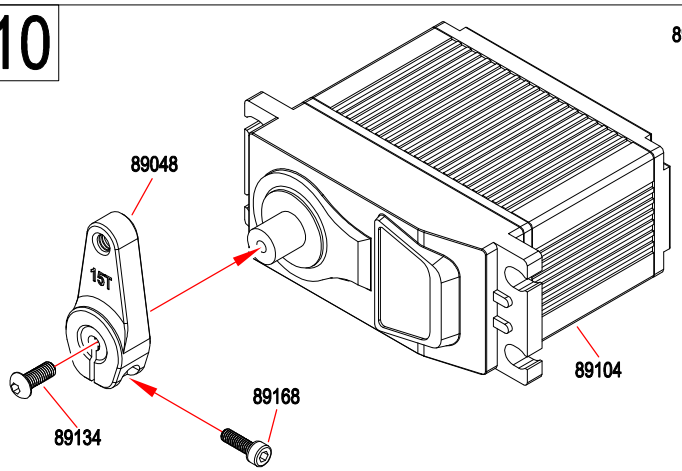
89124 ×4

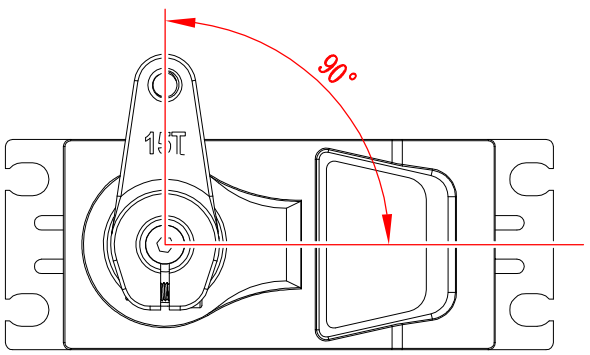
Washer φ4×φ9×0.8

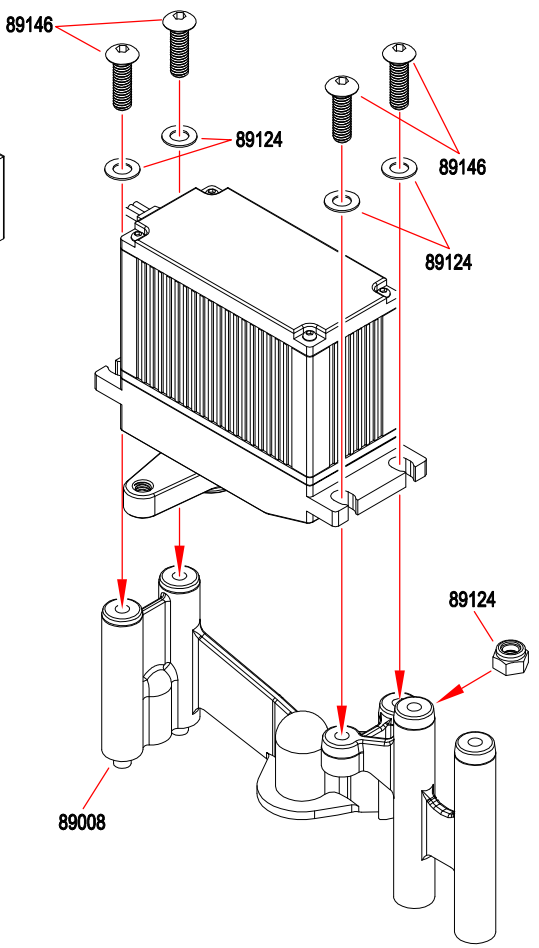
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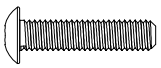


10



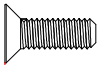






89148 ×1

M4×18 Button head screw



89161 ×1

M4×12 Flat head screw



89162 ×2

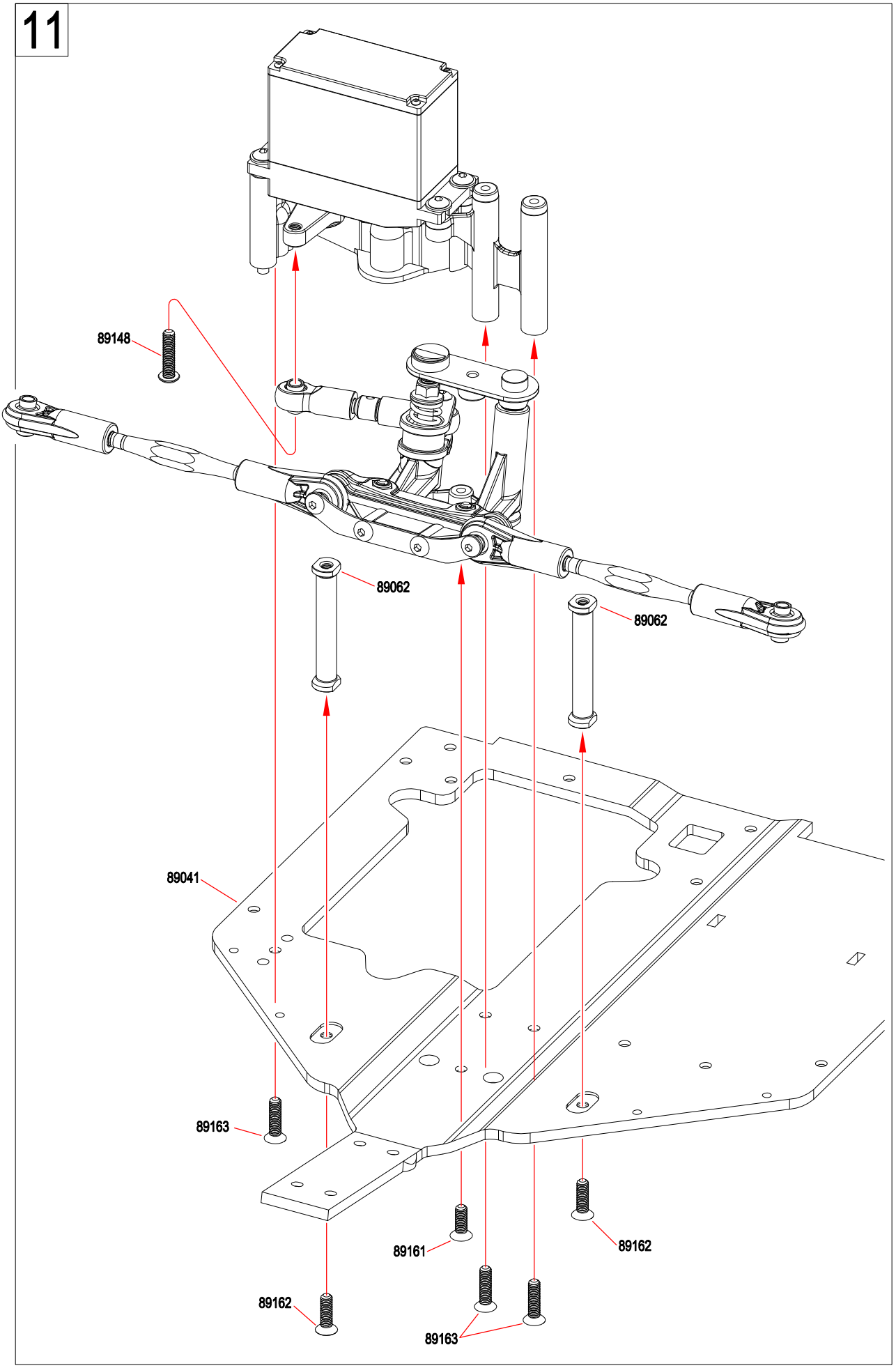
M4×14 Flat head screw



89163 ×3

M4×16 Flat head screw

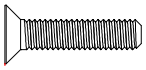
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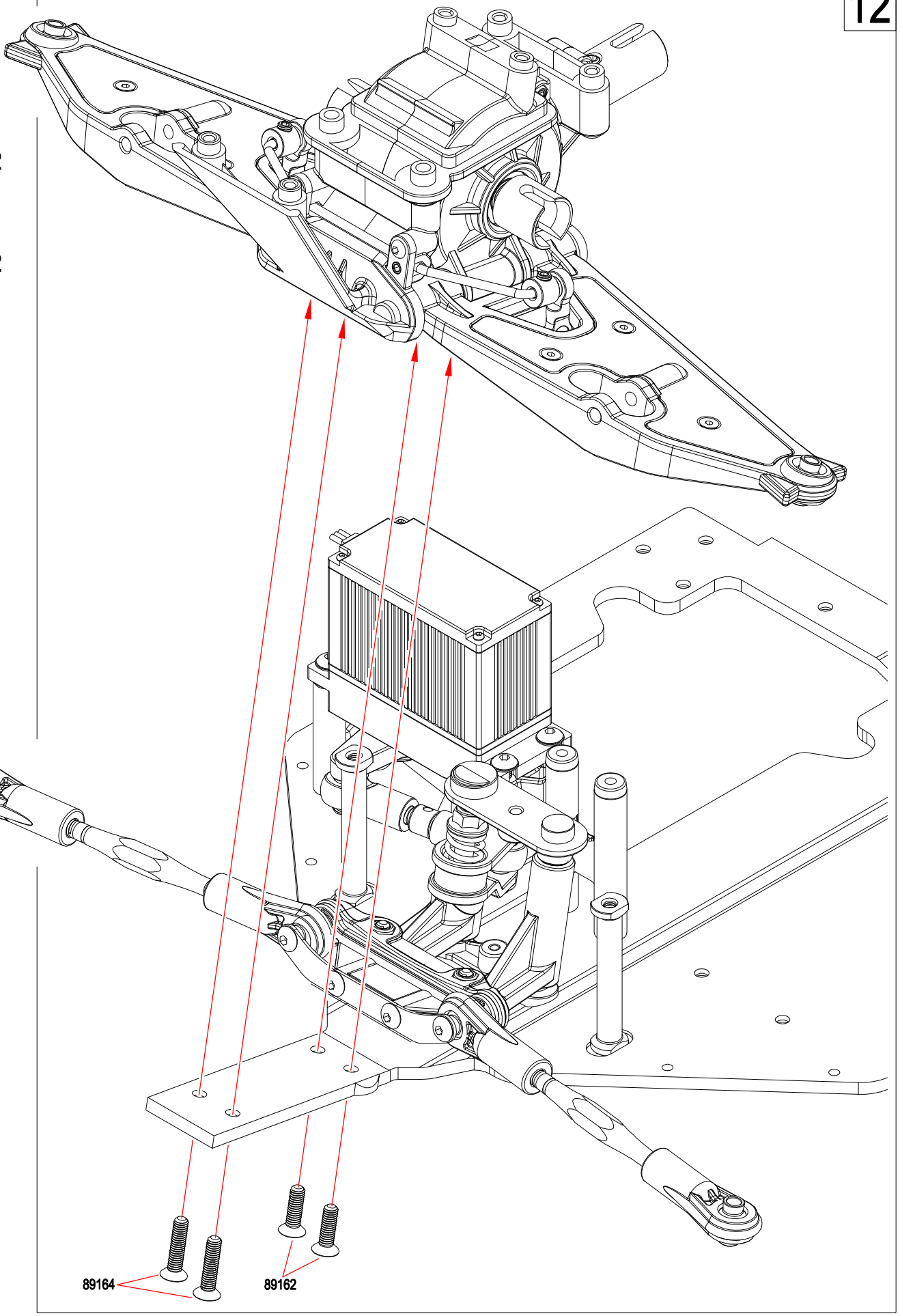
89162 ×2

M4×14 Flat head screw



89164 ×2

M4×18 Flat head screw





89153 ×2

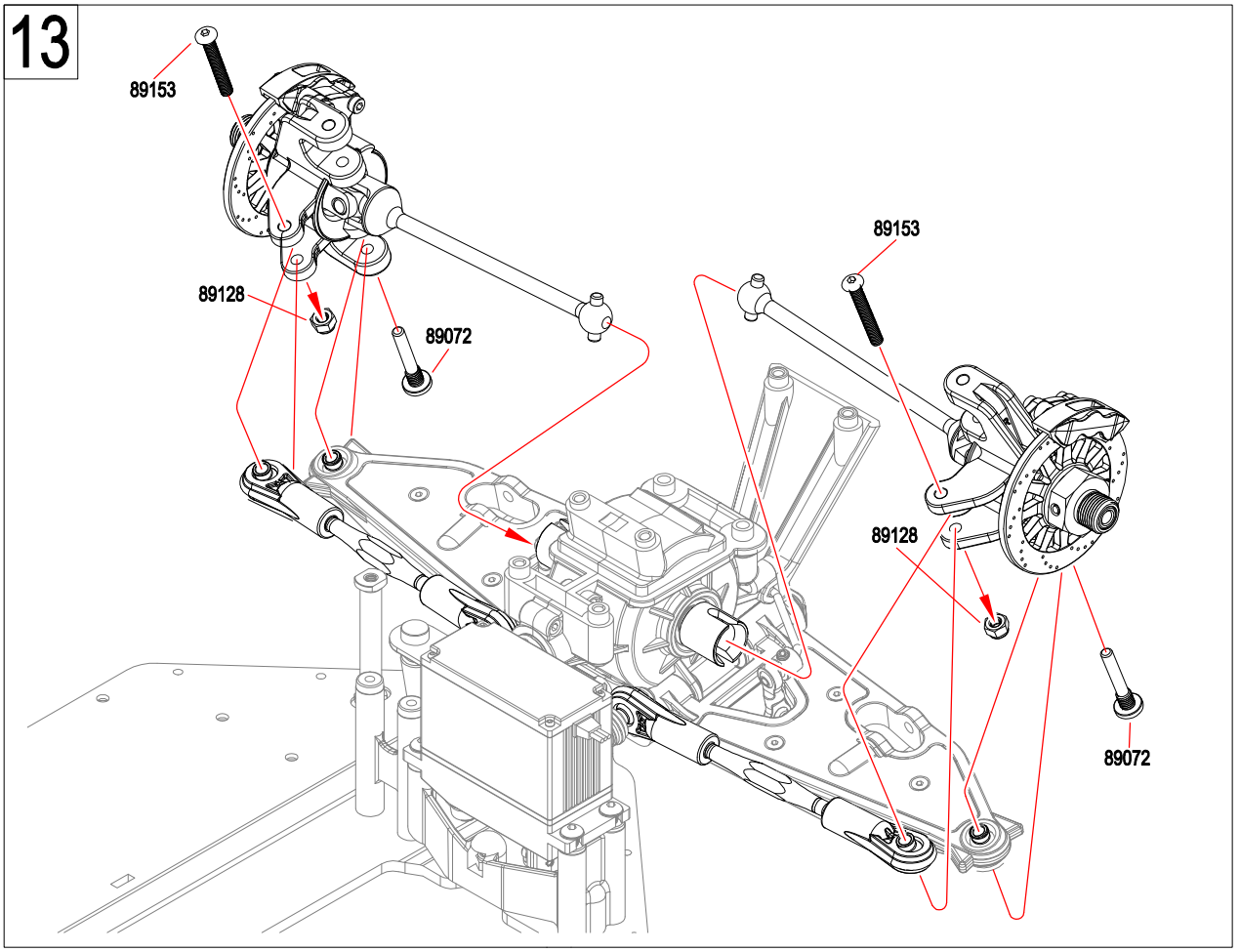
M4×30 Button head screw



89128 ×2

M4 Nylon nut

13





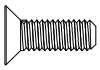
89154 ×1

M4×35 Button head screw



89160 ×1

M4×10 Flat head screw



89161 ×1

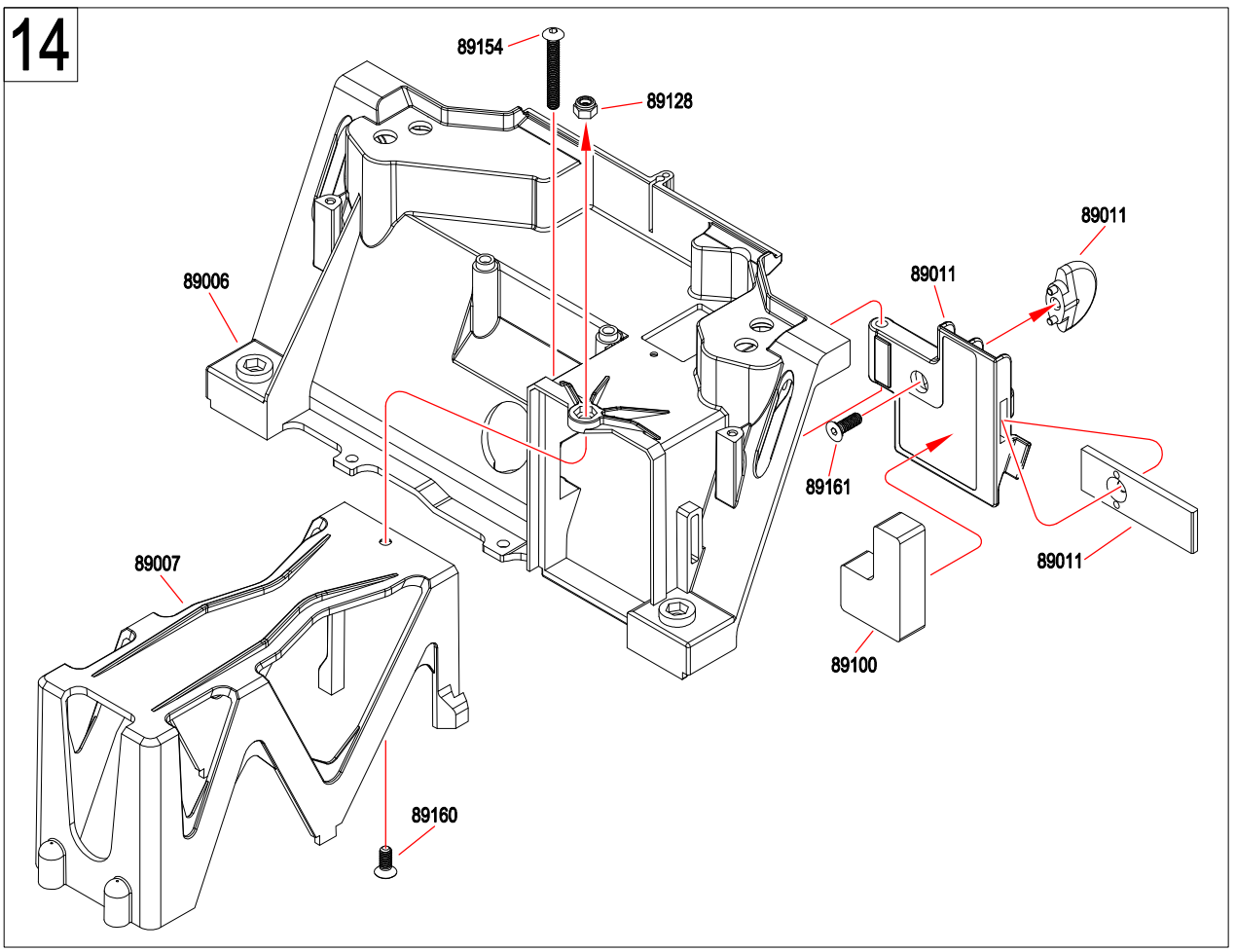
M4×12 Flat head screw

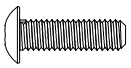


89128 ×1

M4 Nylon nut

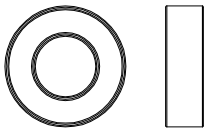
14





89146 ×4

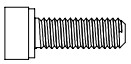
M4×14 Button head screw



89121 ×3

Bearing φ8×φ16×5

15



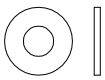
89173 ×2

M4×12 Cap head screw



89133 ×1

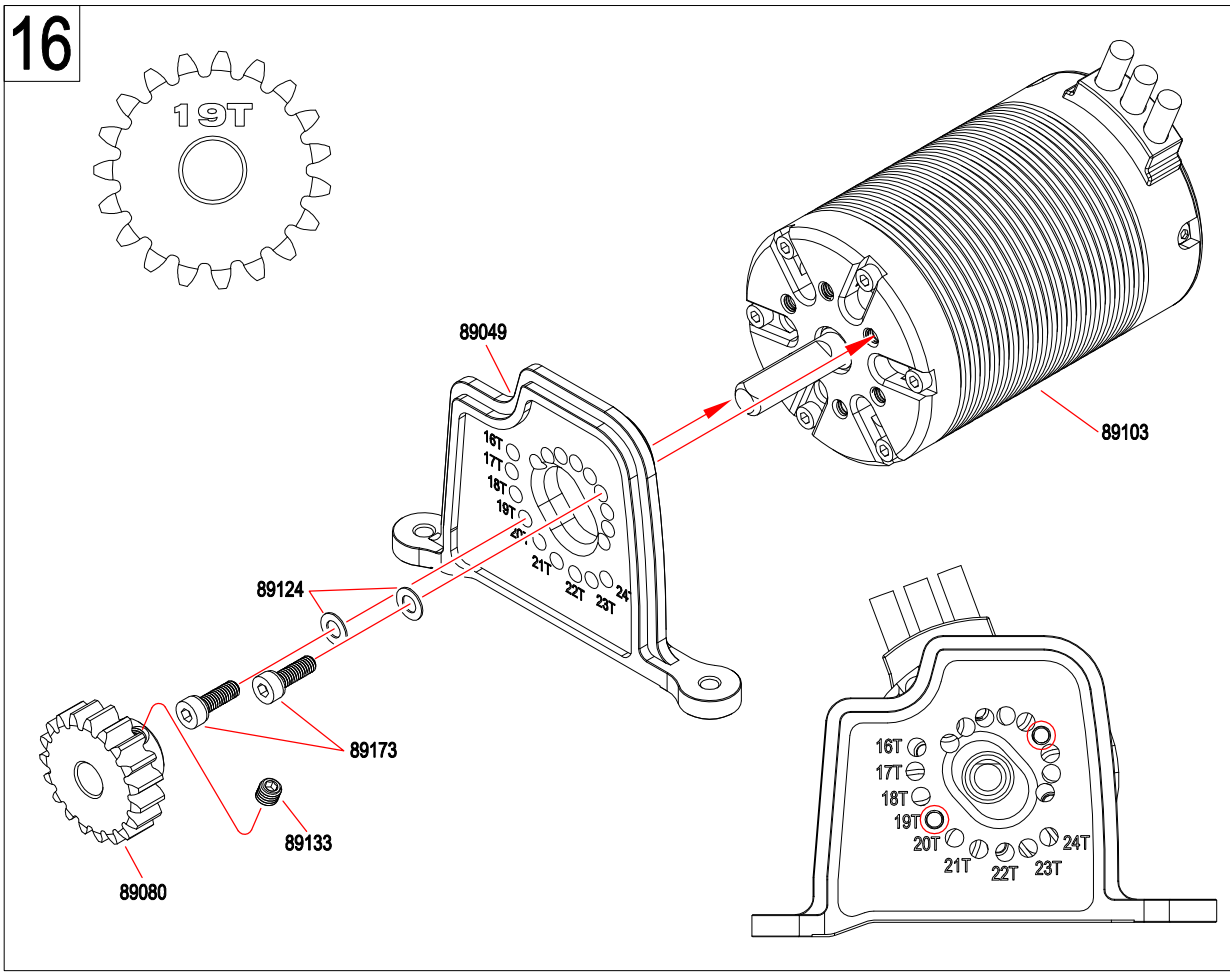
M5×5 Set screw

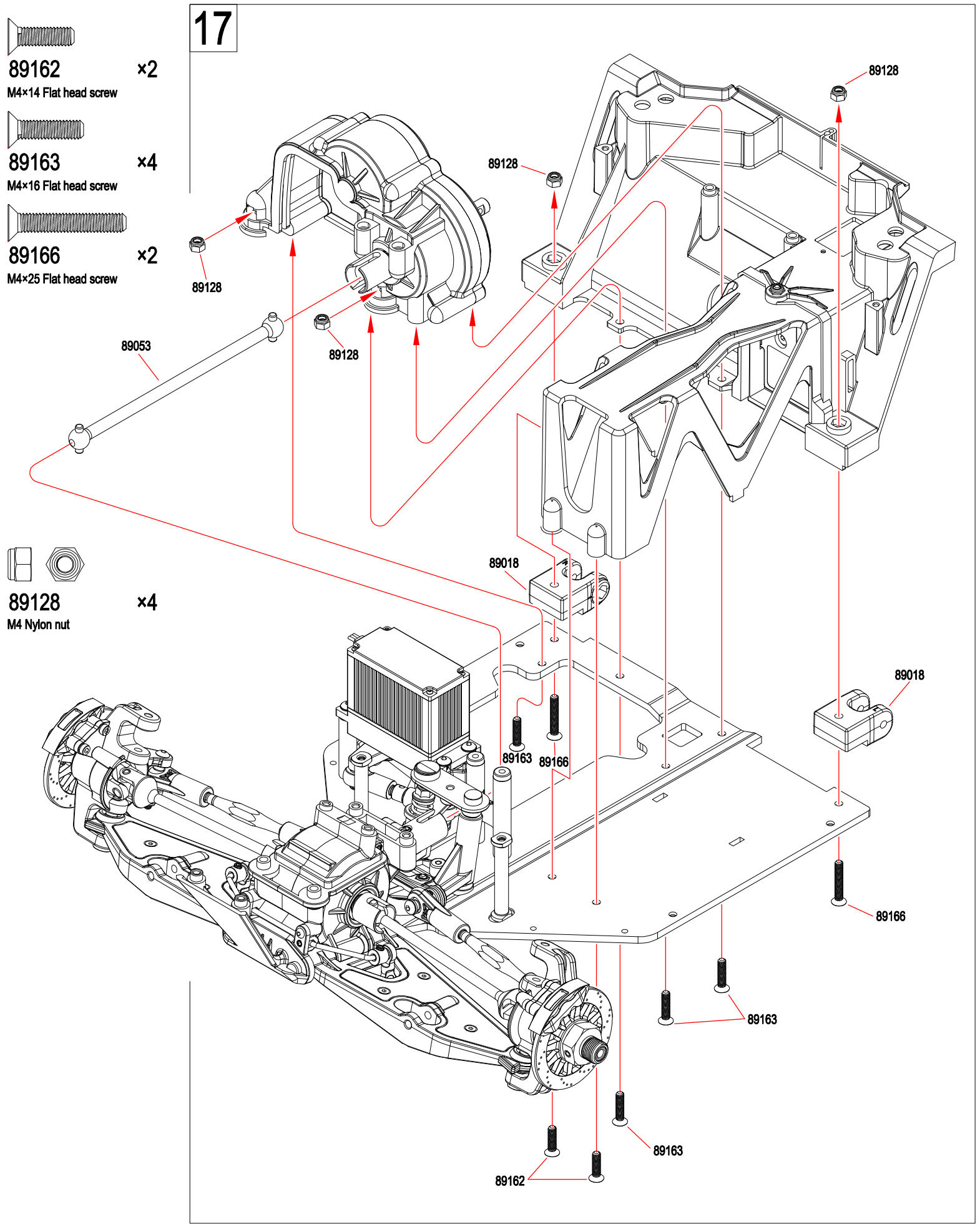


89124 ×2

Washer φ4×φ9×0.8

16




17
89162 ×2
M4×14 Flat head screw
89163 ×4
M4×16 Flat head screw
89166 ×2
M4×25 Flat head screw
89128 ×4
M4 Nylon nut
89128
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89163
89162



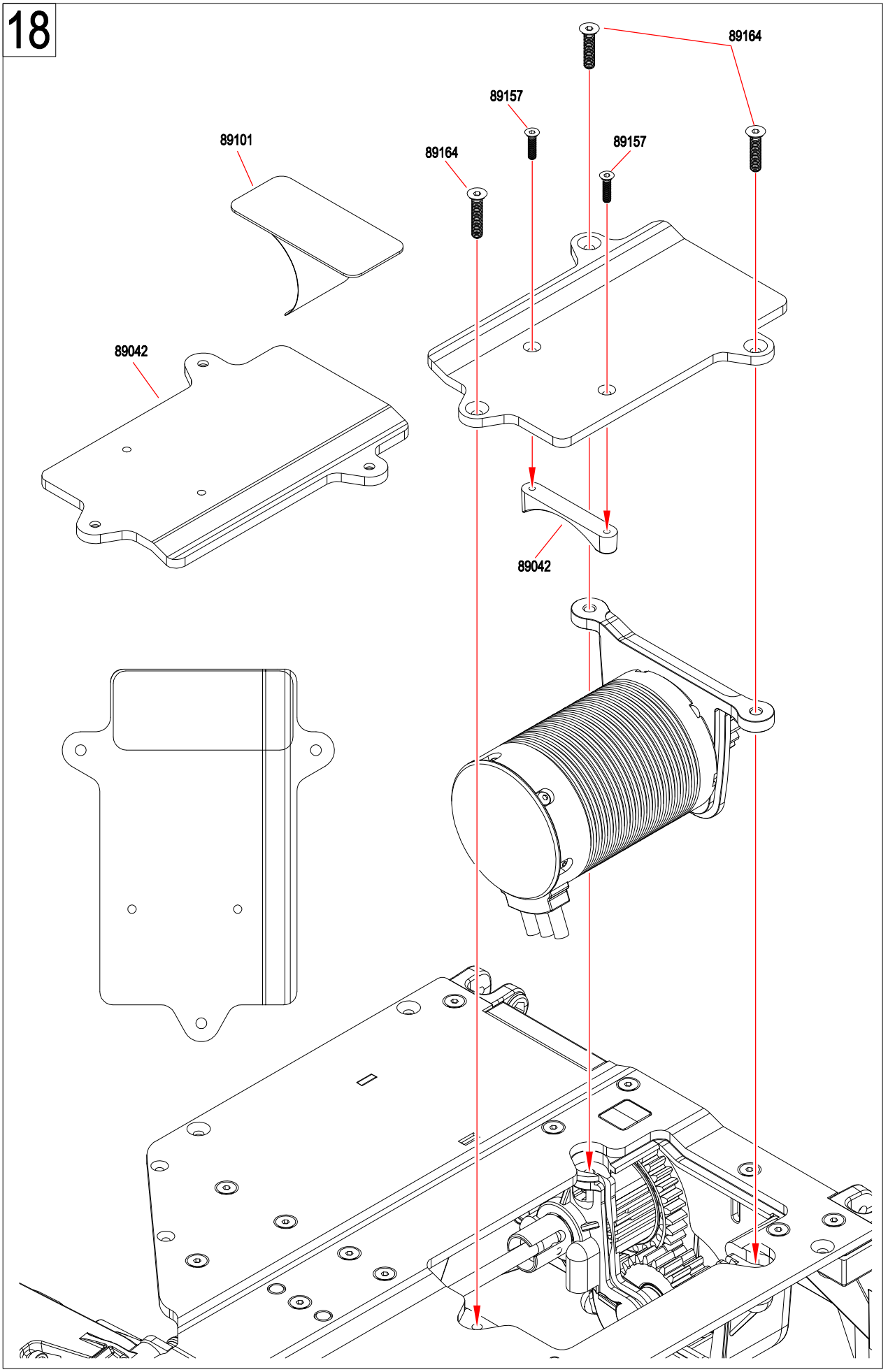
89157 ×2

M3×12 Flat head screw

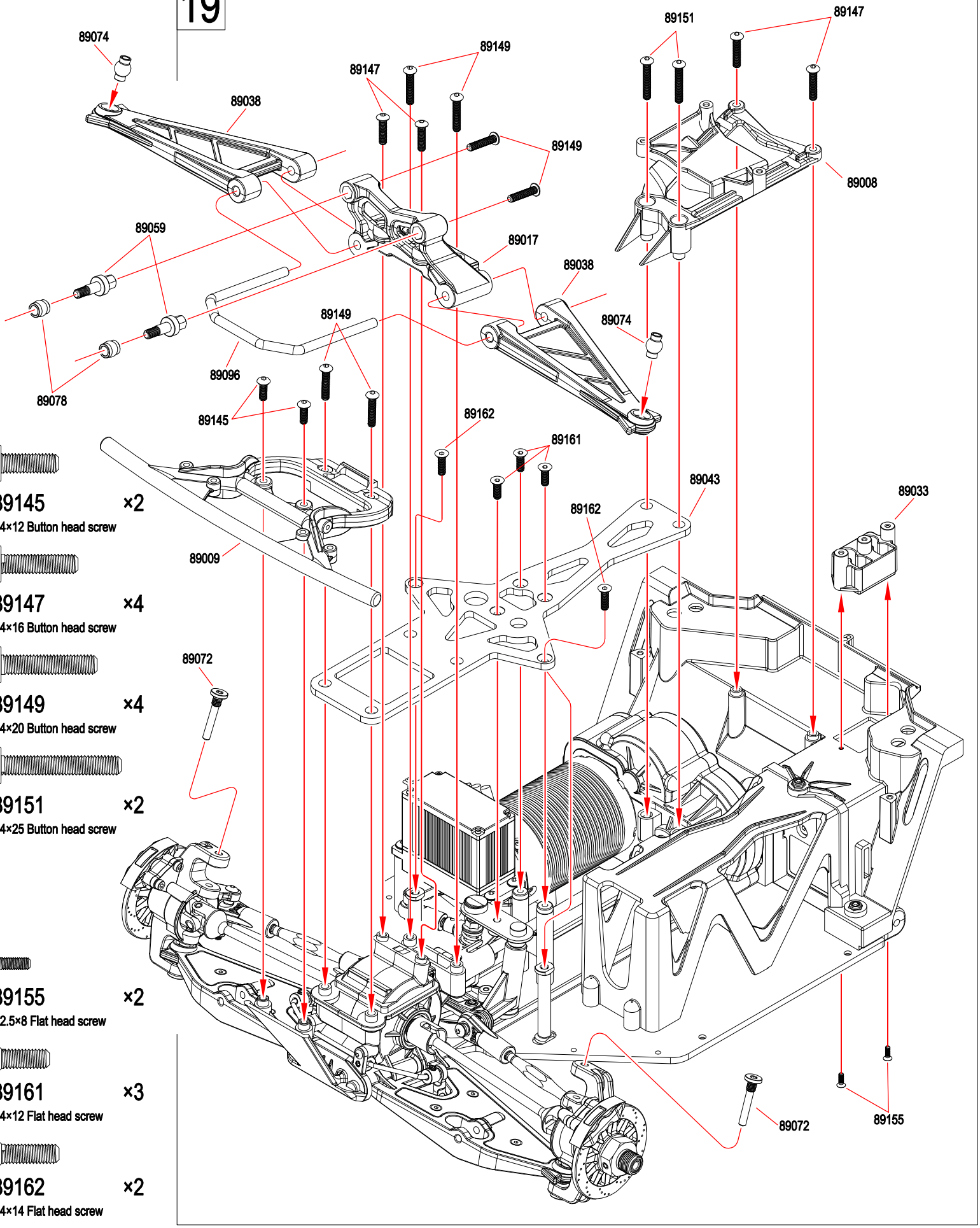


89164 ×3

M4×18 Flat head screw



19



89145 ×2
M4×12 Button head screw

89147 ×4
M4×16 Button head screw

89149 ×4
M4×20 Button head screw

89151 ×2
M4×25 Button head screw

89155 ×2
M2.5×8 Flat head screw

89161 ×3
M4×12 Flat head screw

89162 ×2
M4×14 Flat head screw



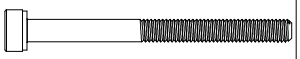
89139 ×2

M3×18 Button head screw



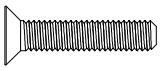
89171 ×2

M3×12 Cap head screw



89172 ×2

M3×35 Cap head screw



89165 ×4

M4×20 Flat head screw



89131 ×2

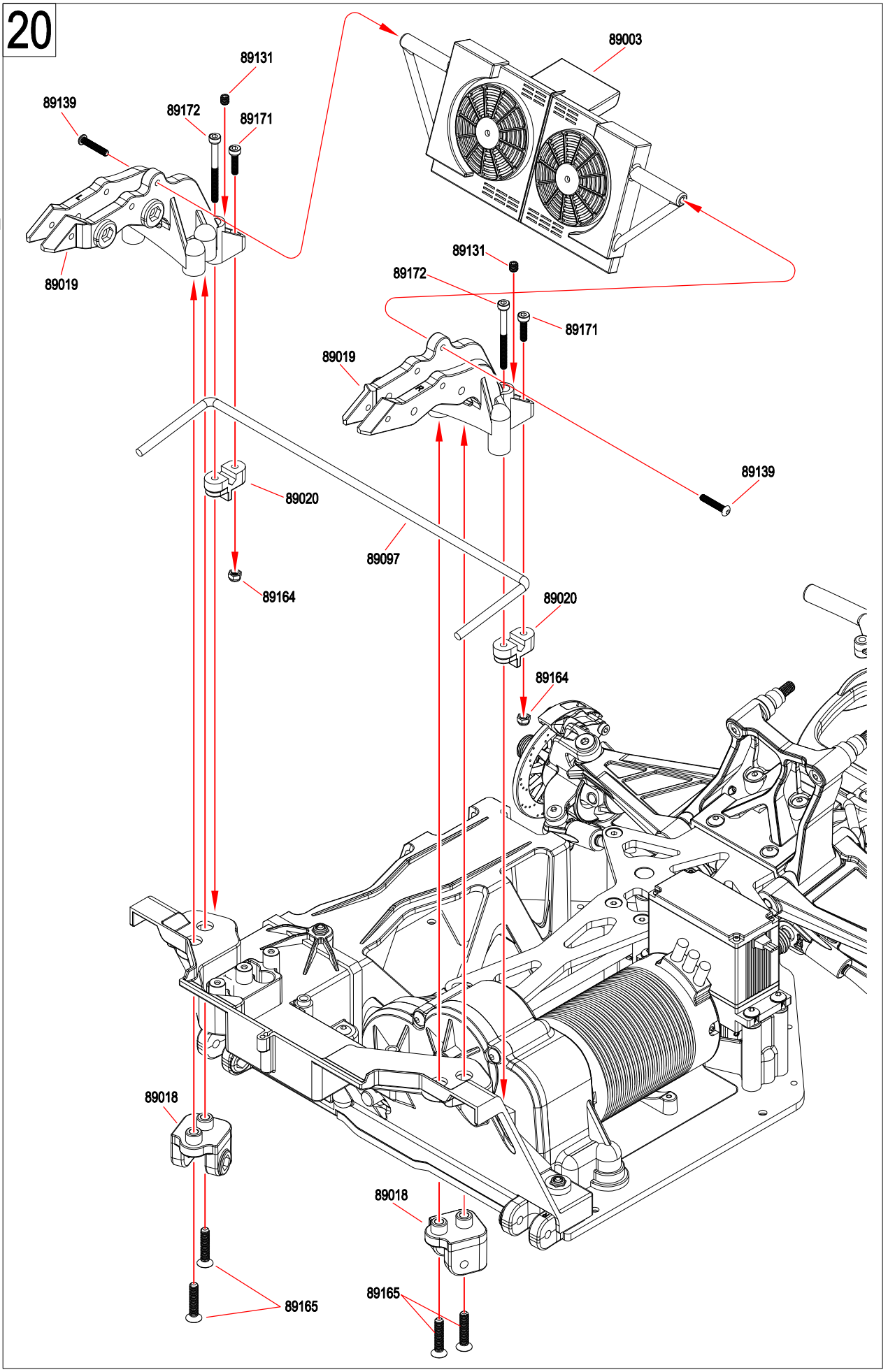
M4×4 Set screw

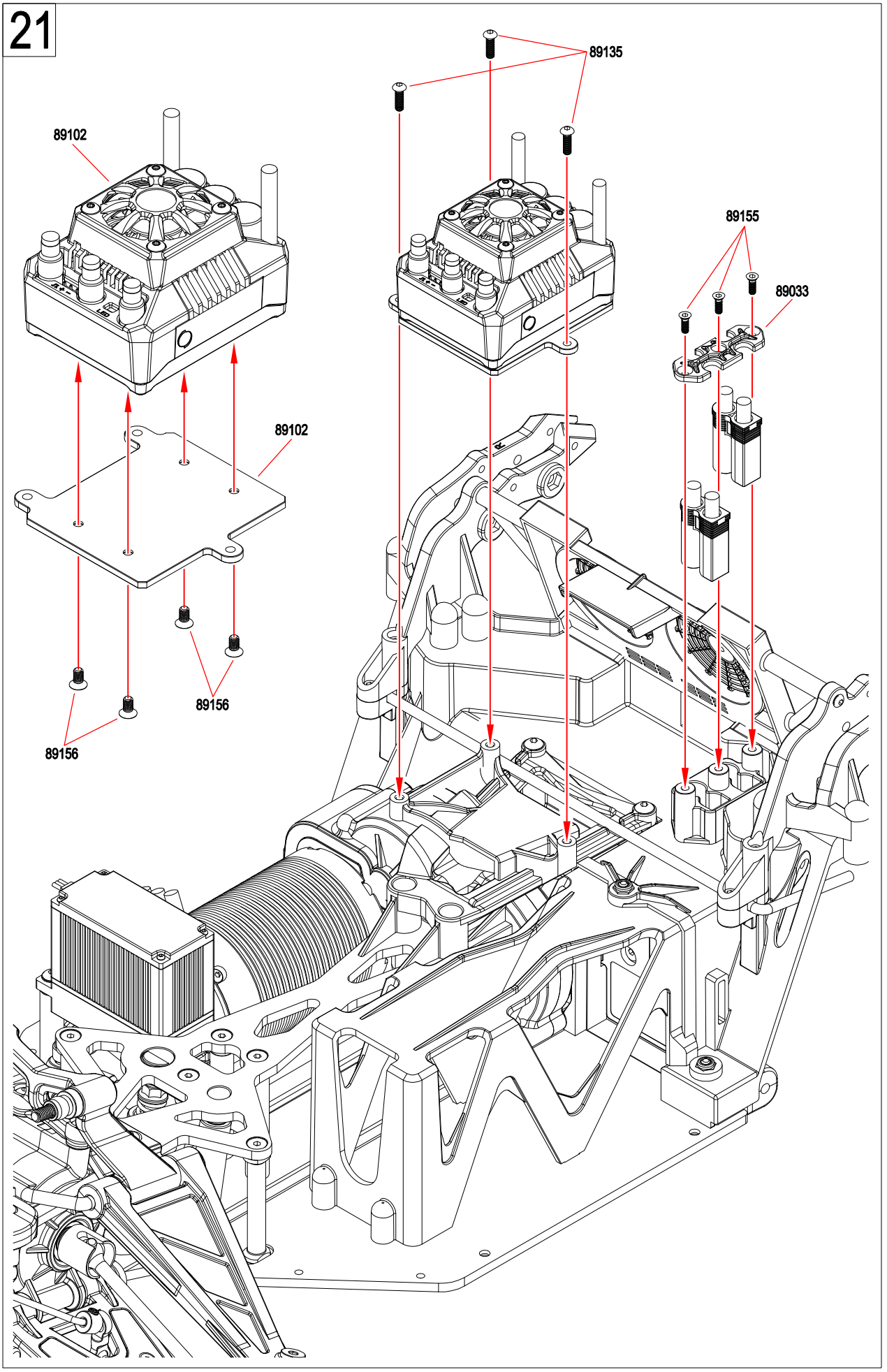


89127 ×2

M3 Nylon nut

20



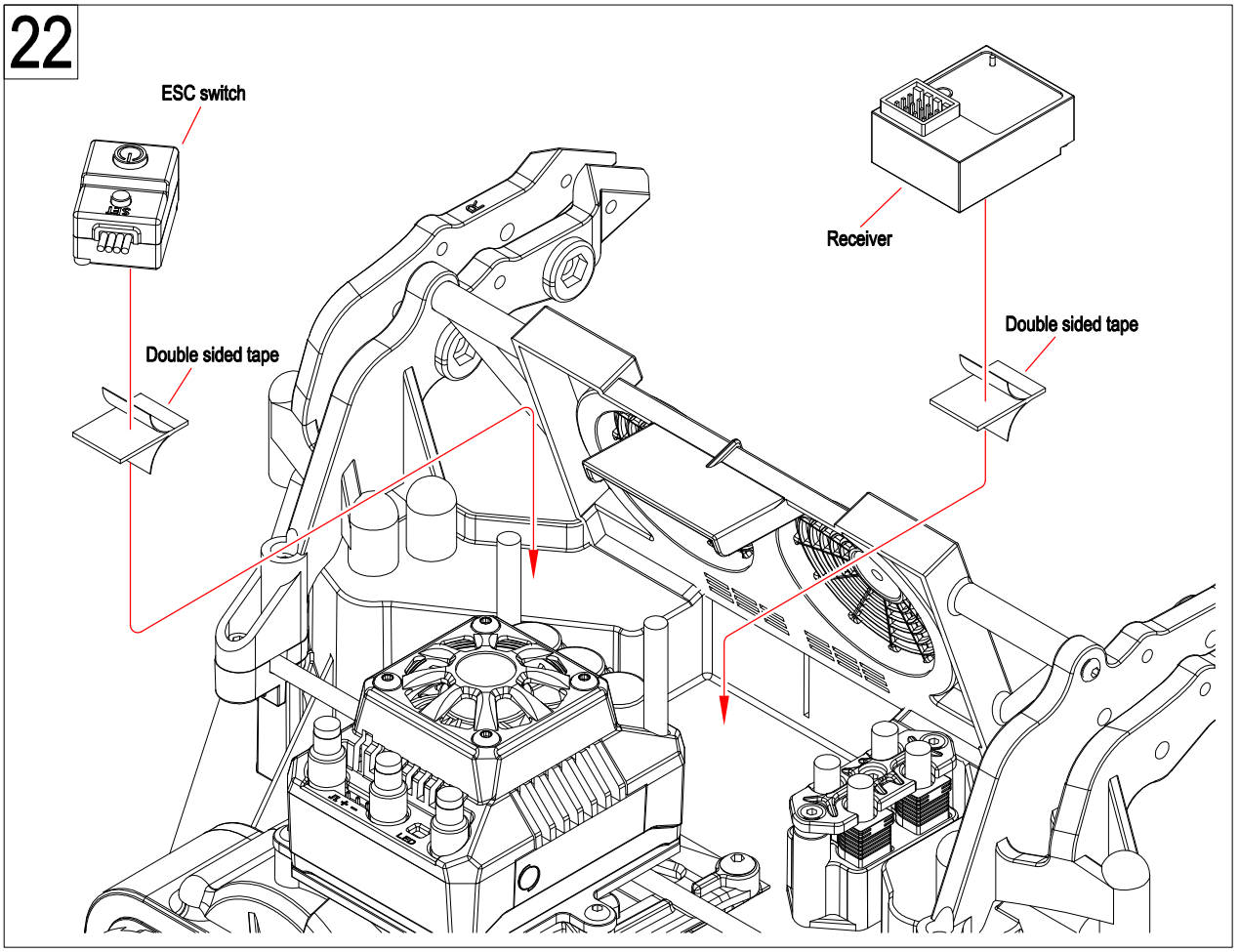


89135 ×3
M3×10 Button head screw

89155 ×3
M2.5×8 Flat head screw

89156 ×4
M3×6 Flat head screw

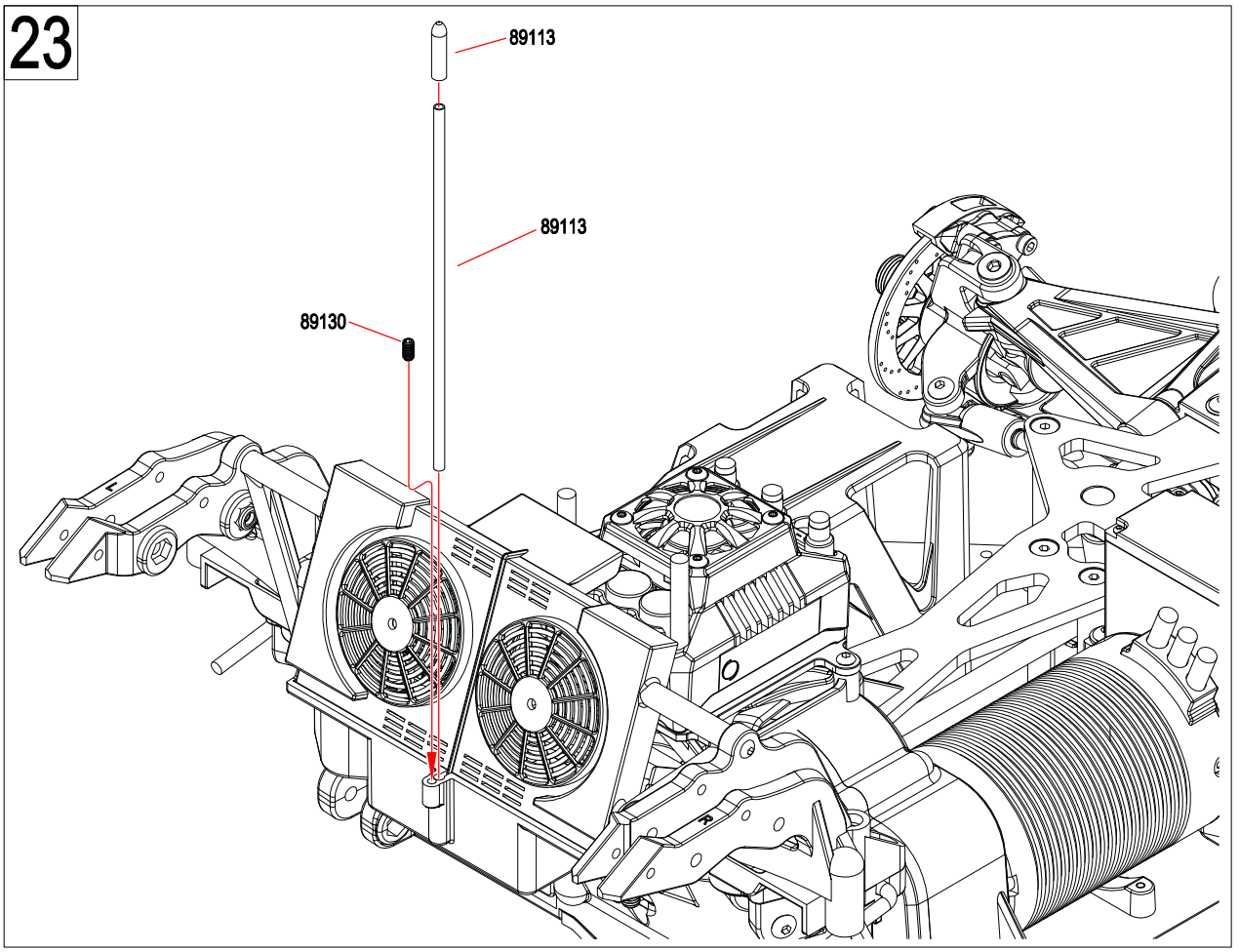
22



89130 ×1

M3×5 Set screw

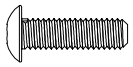
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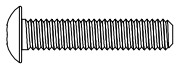
89135 ×6

M3×10 Button head screw



89146 ×2

M4×14 Button head screw



89149 ×2

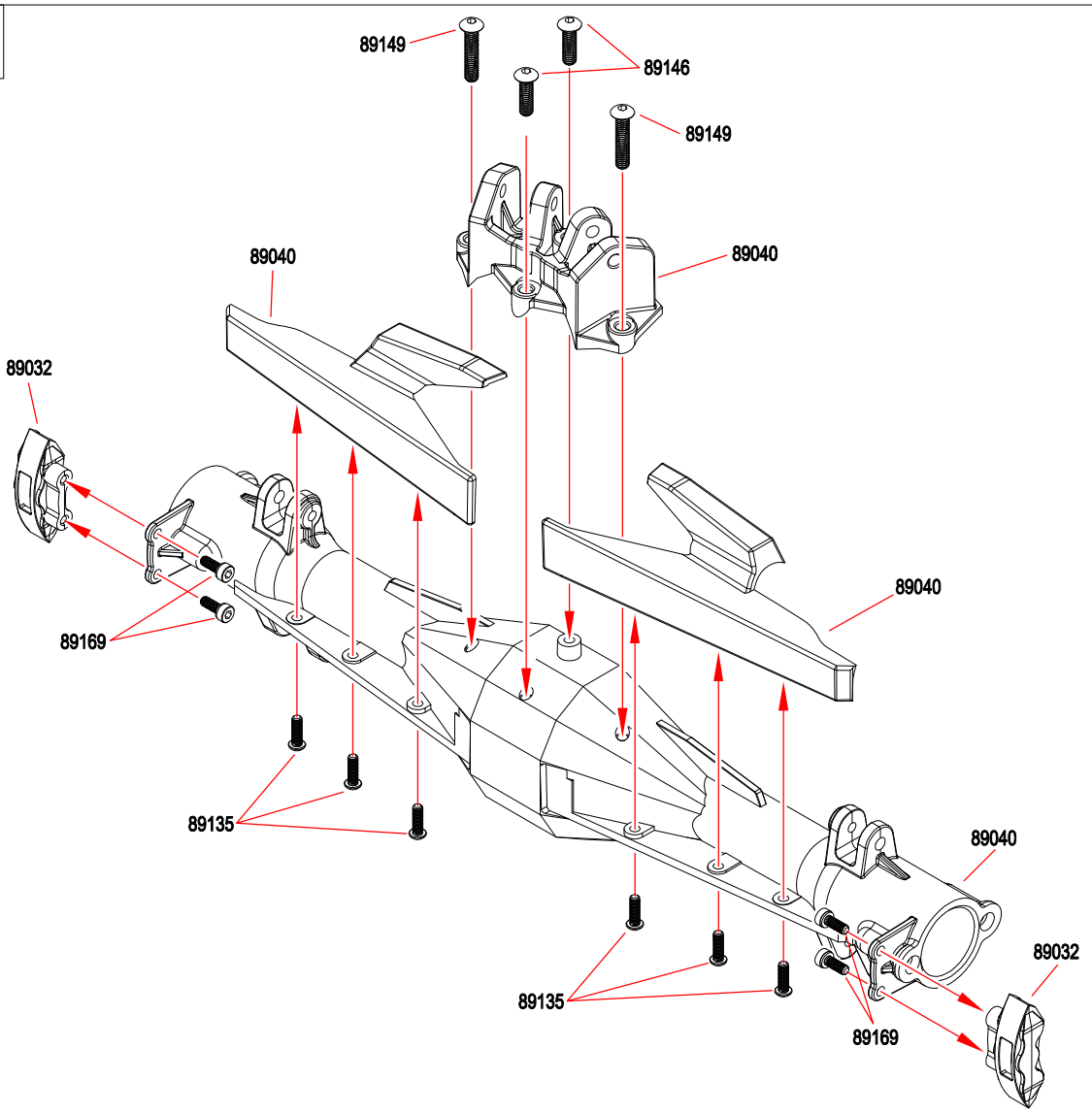
M4×20 Button head screw



89169 ×4

M3×8 Cap head screw

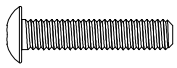
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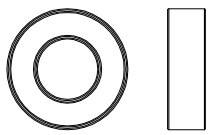
89135 ×4

M3×10 Button head screw



89149 ×4

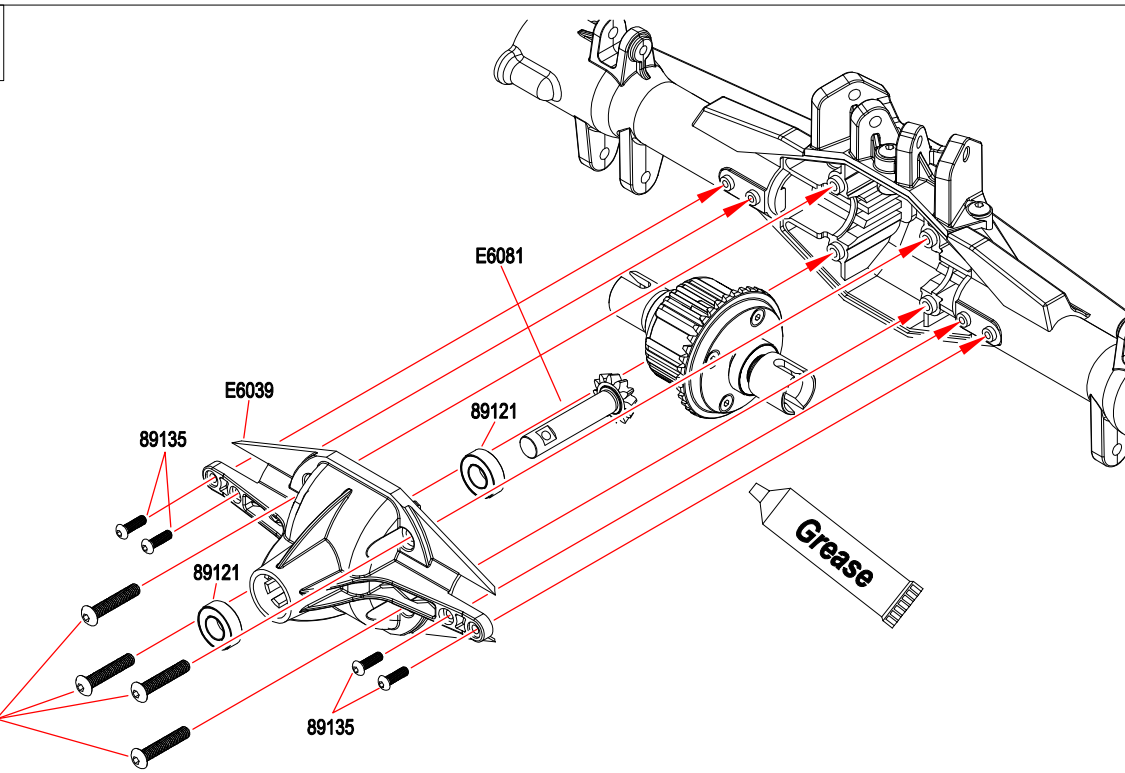
M4×20 Button head screw

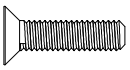


89149 ×2

Bearing φ8×φ16×5

25





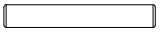
89163 ×4

M4×16 Flat head screw



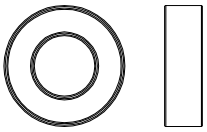
89132 ×2

M4×6 Set screw



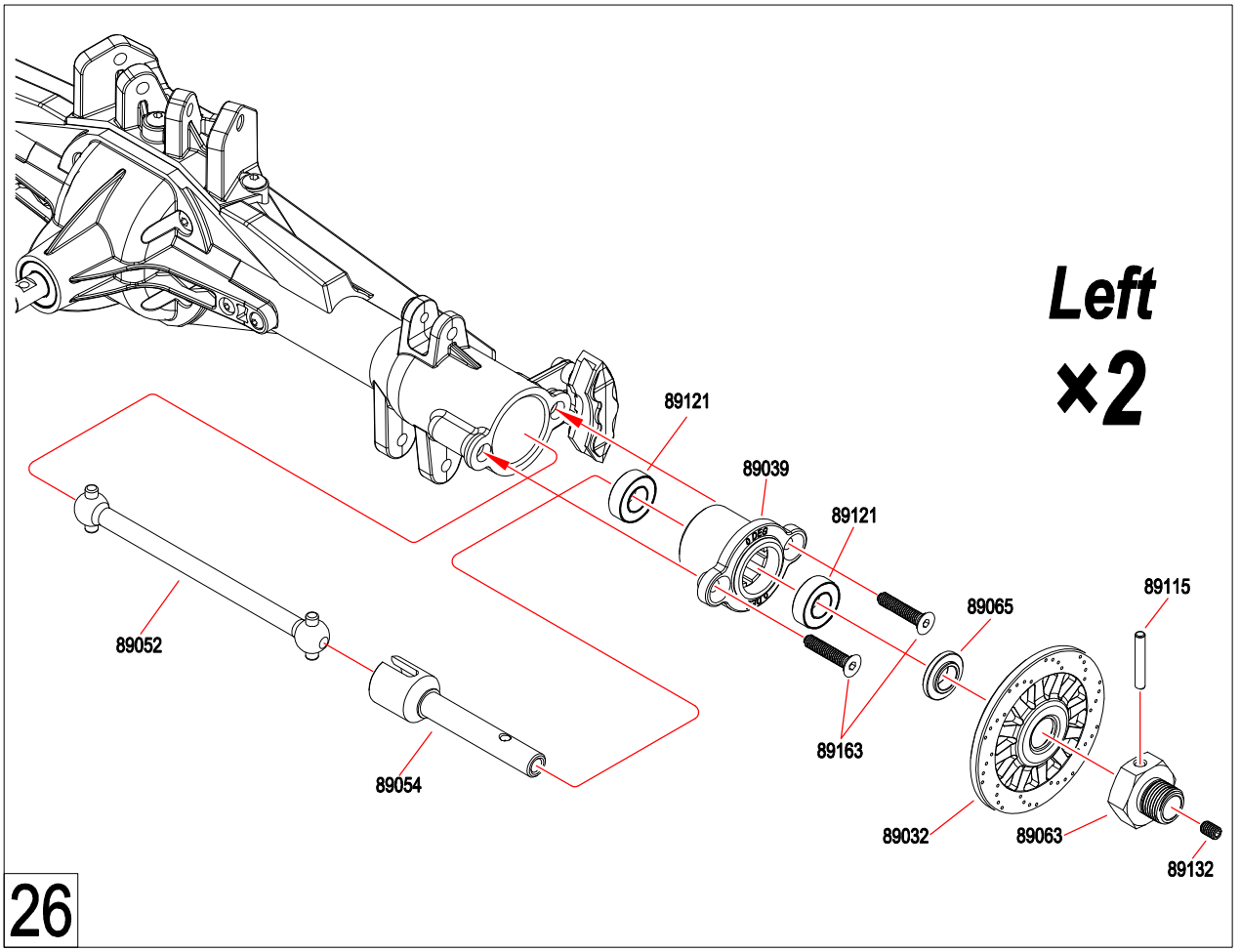
89115 ×2

Pin φ3×20mm

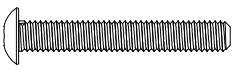


89121 ×4

Bearing φ8×φ16×5



26



89152 ×2

M4×28 Button head screw



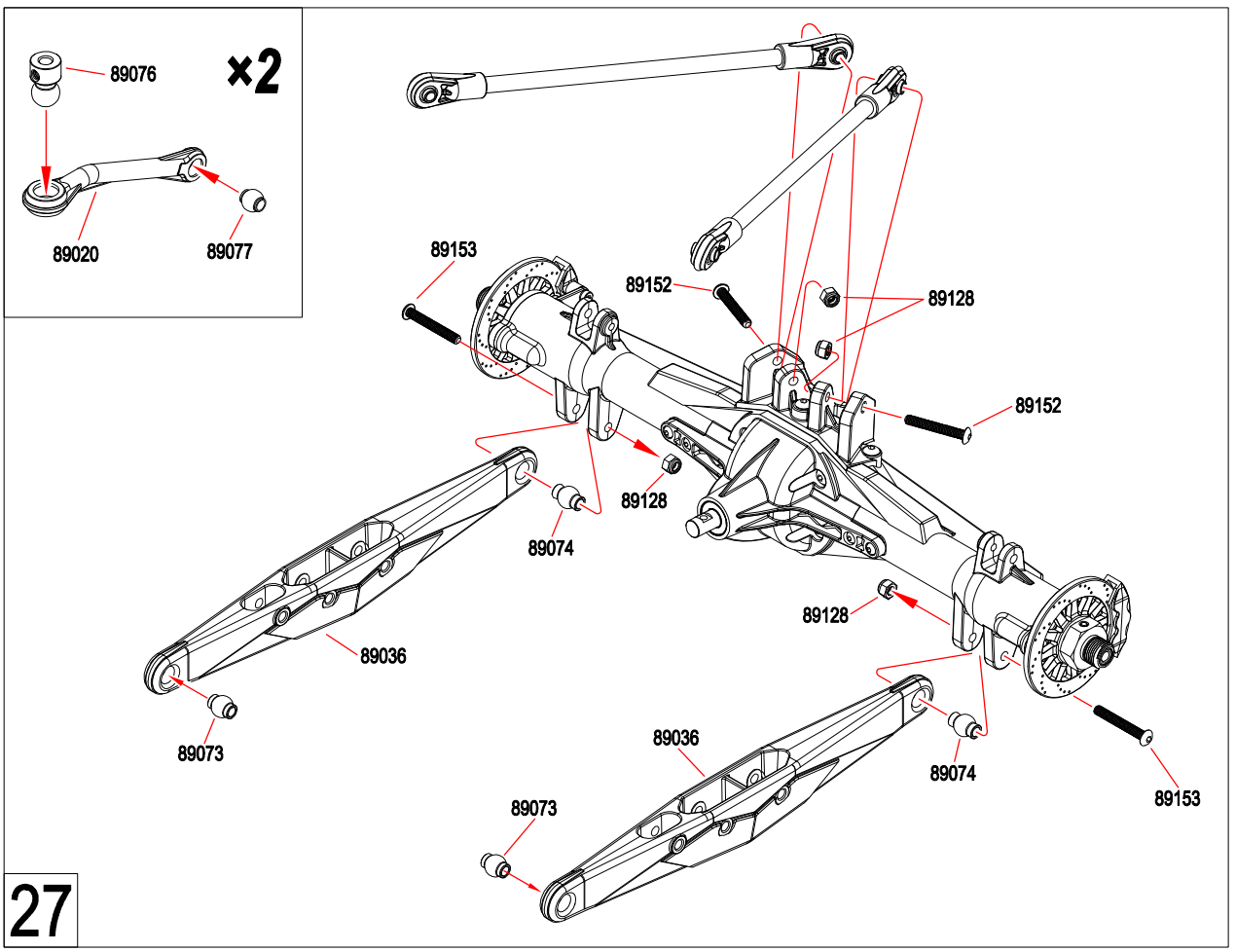
89153 ×2

M4×30 Button head screw

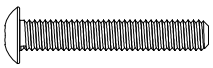


89128 ×4

M4 Nylon nut



27



89151 ×2

M4×25 Button head screw



89153 ×2

M4×30 Button head screw



89128 ×4

M4 Nylon nut

28



89151 ×2

M4×25 Button head screw



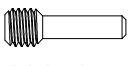
89128 ×2

M4 Nylon nut



89131 ×2

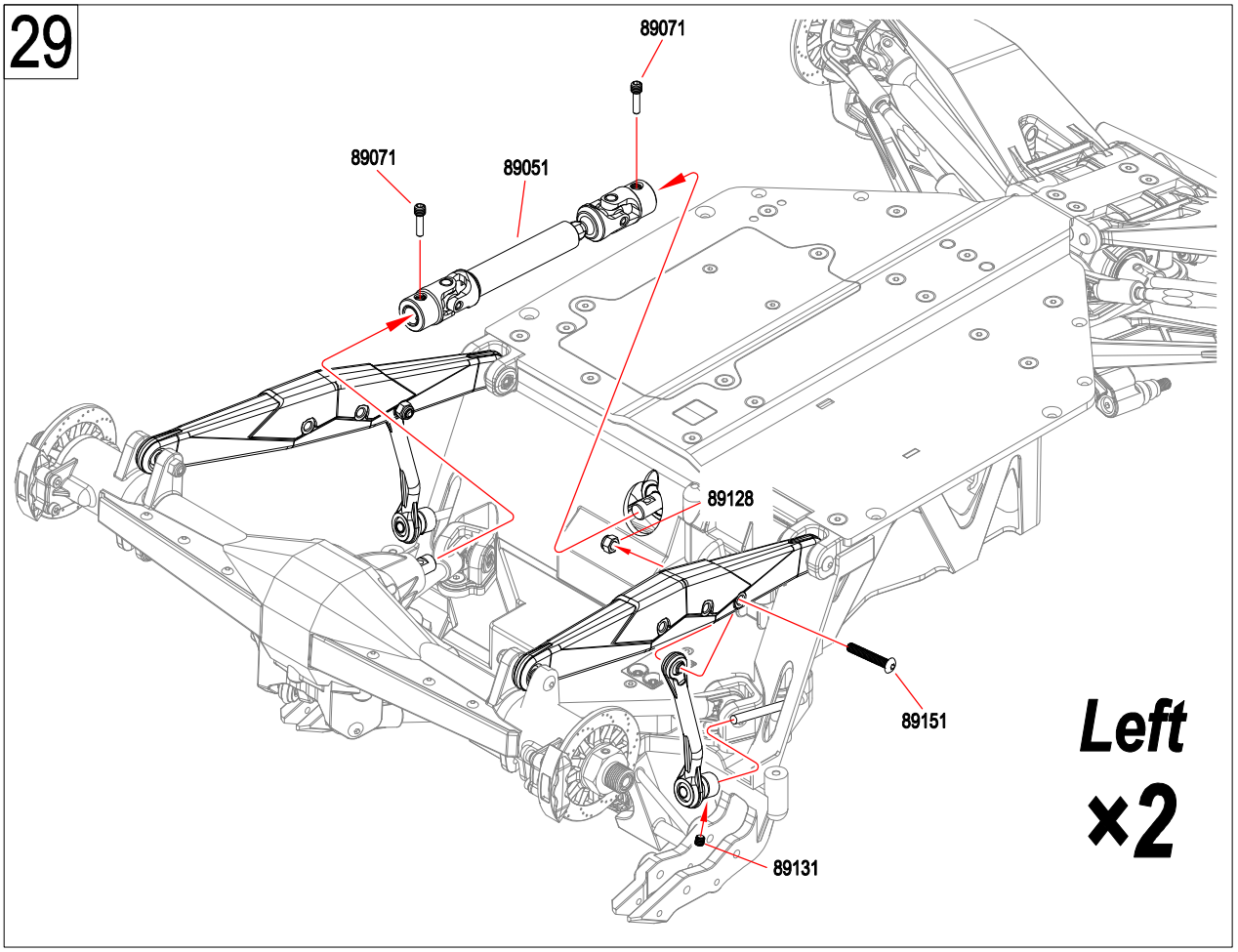
M4×4 Set screw



89071 ×2

M5×5×16mm Screw shaft

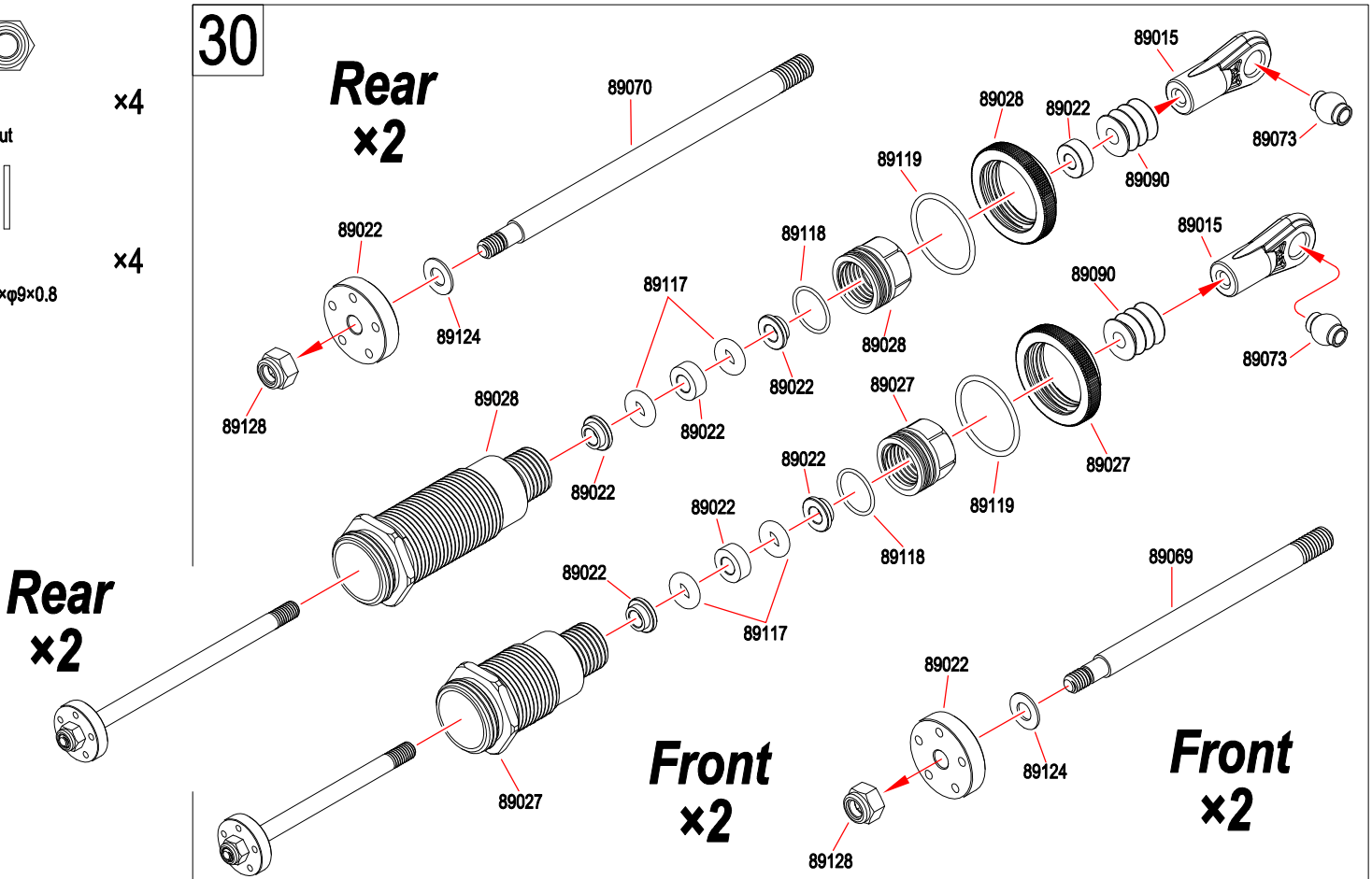
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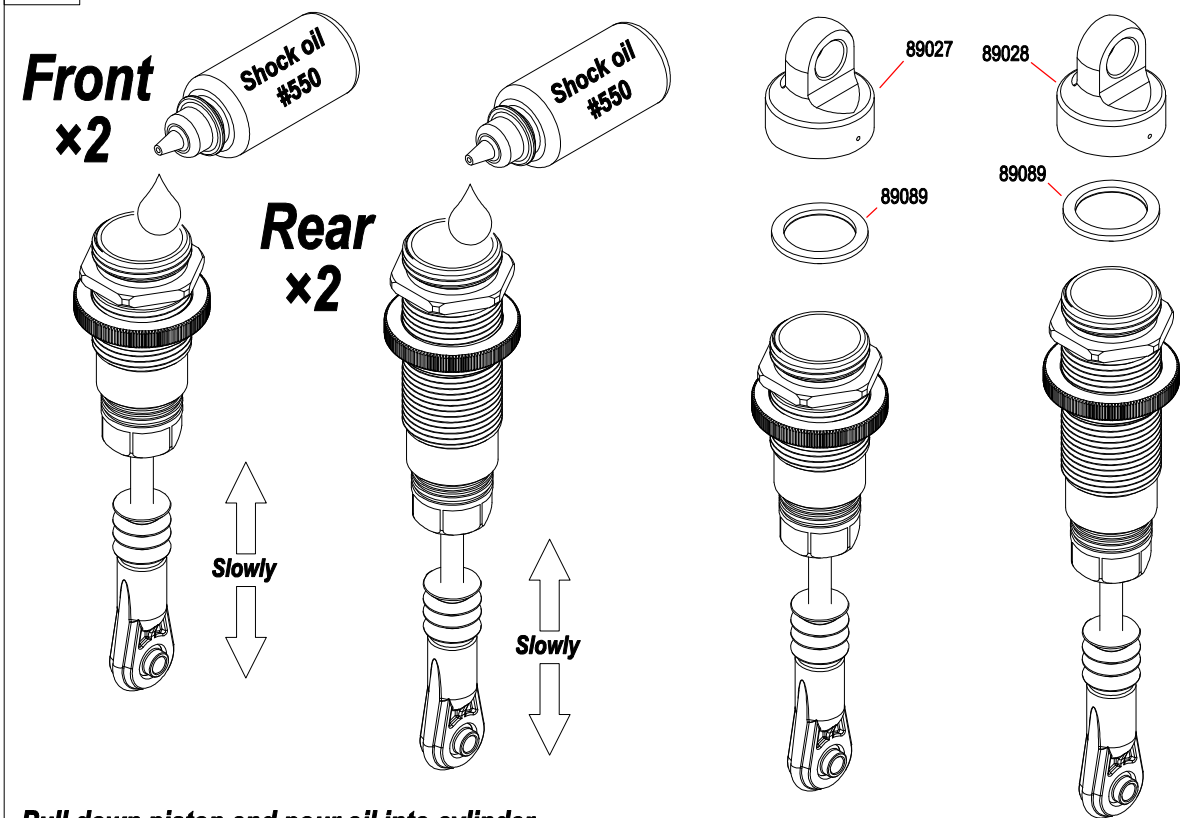
89128 ×4
M4 Nylon nut

89124 ×4
Washer φ4×φ9×0.8

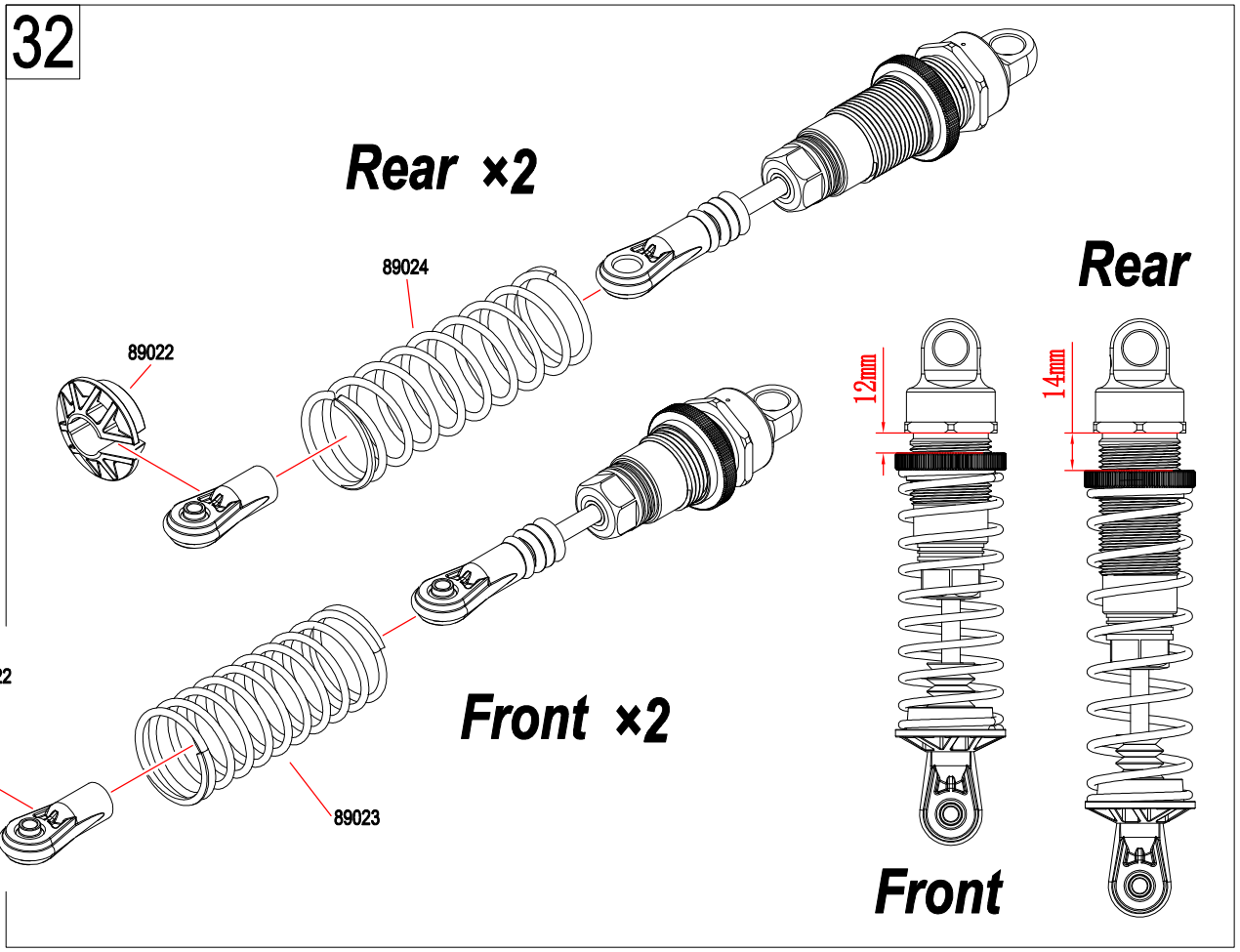
30



31



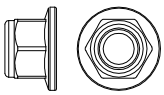
Pull down piston and pour oil into cylinder.
Remove air bubbles by slowly moving piston up and down.





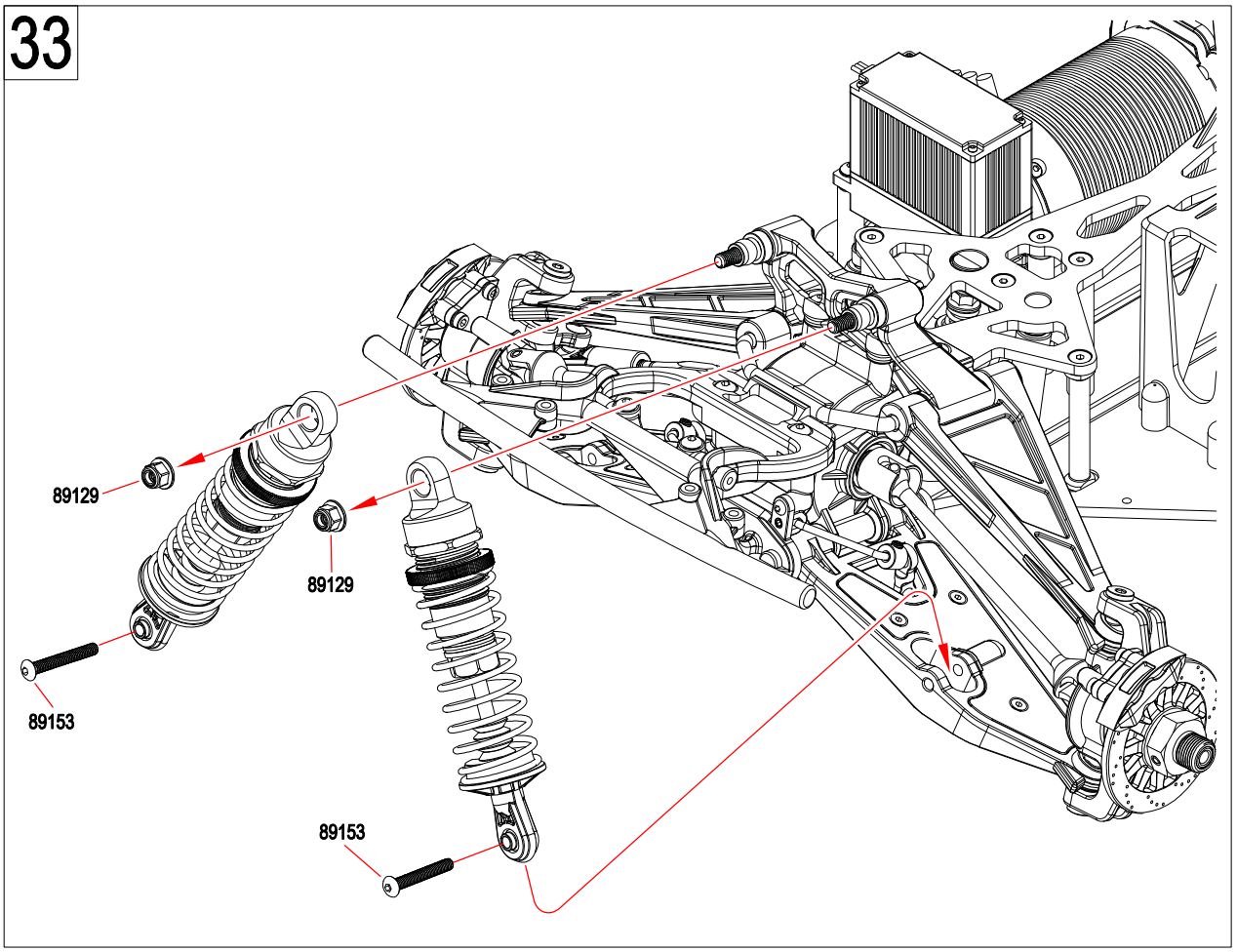
89153 ×2

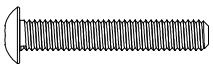
M4×30 Button head screw



89129 ×2

M5 Flanged nylon nut





89151 ×2

M4×25 Button head screw



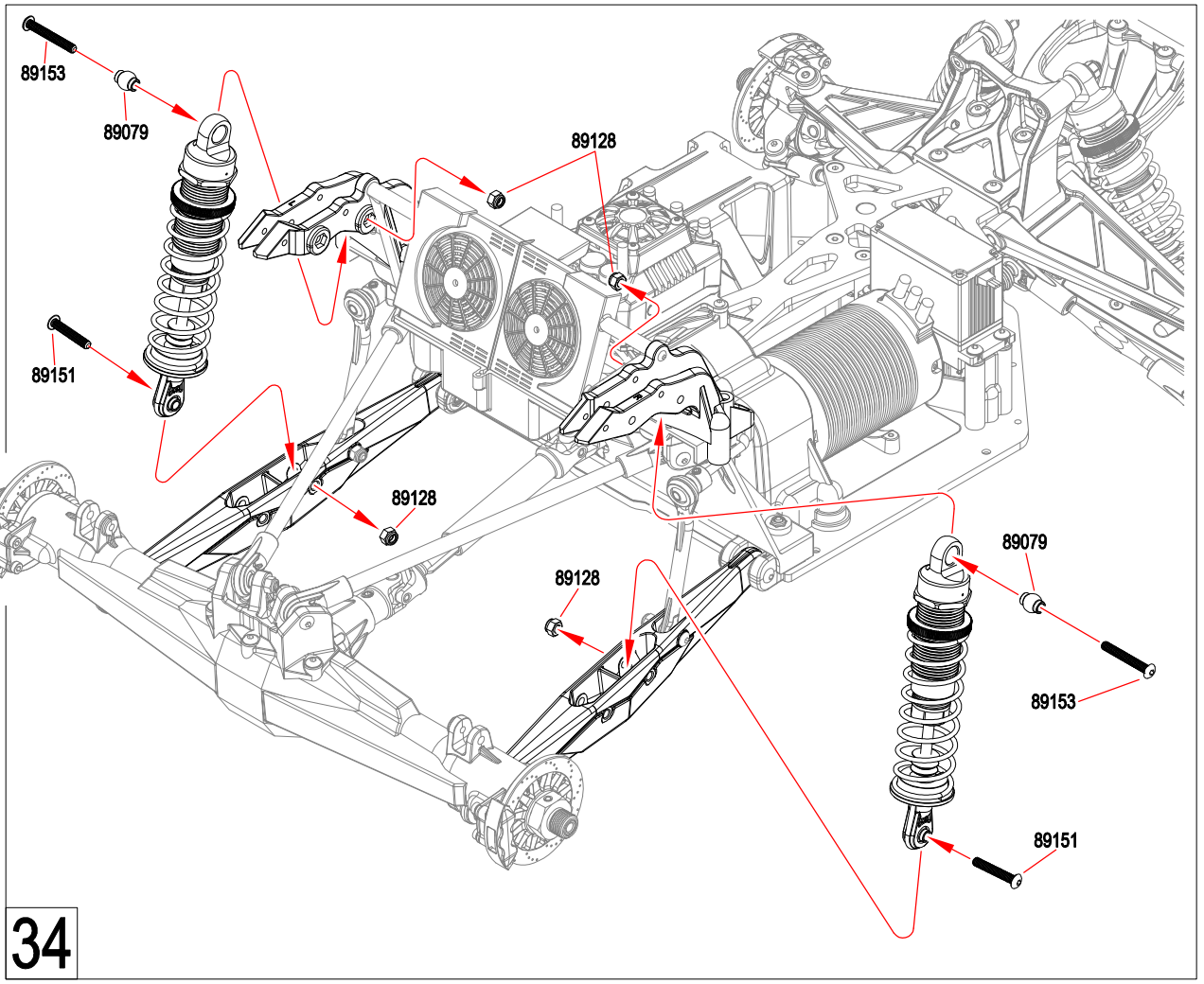
89153 ×2

M4×30 Button head screw



89128 ×4

M4 Nylon nut



34



89136 ×2

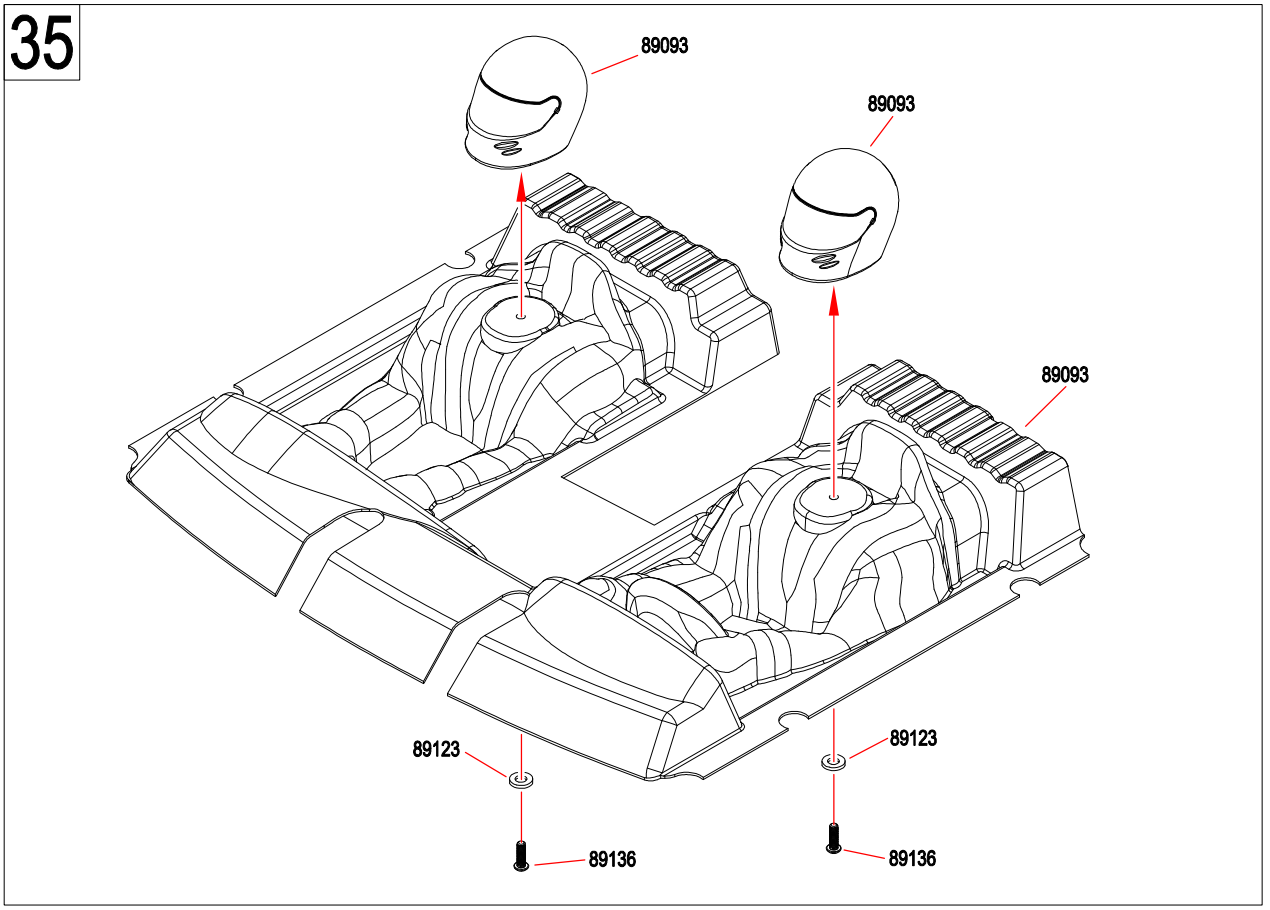
M3×12 Button head screw



89123 ×2

Washer φ3×φ7×0.5

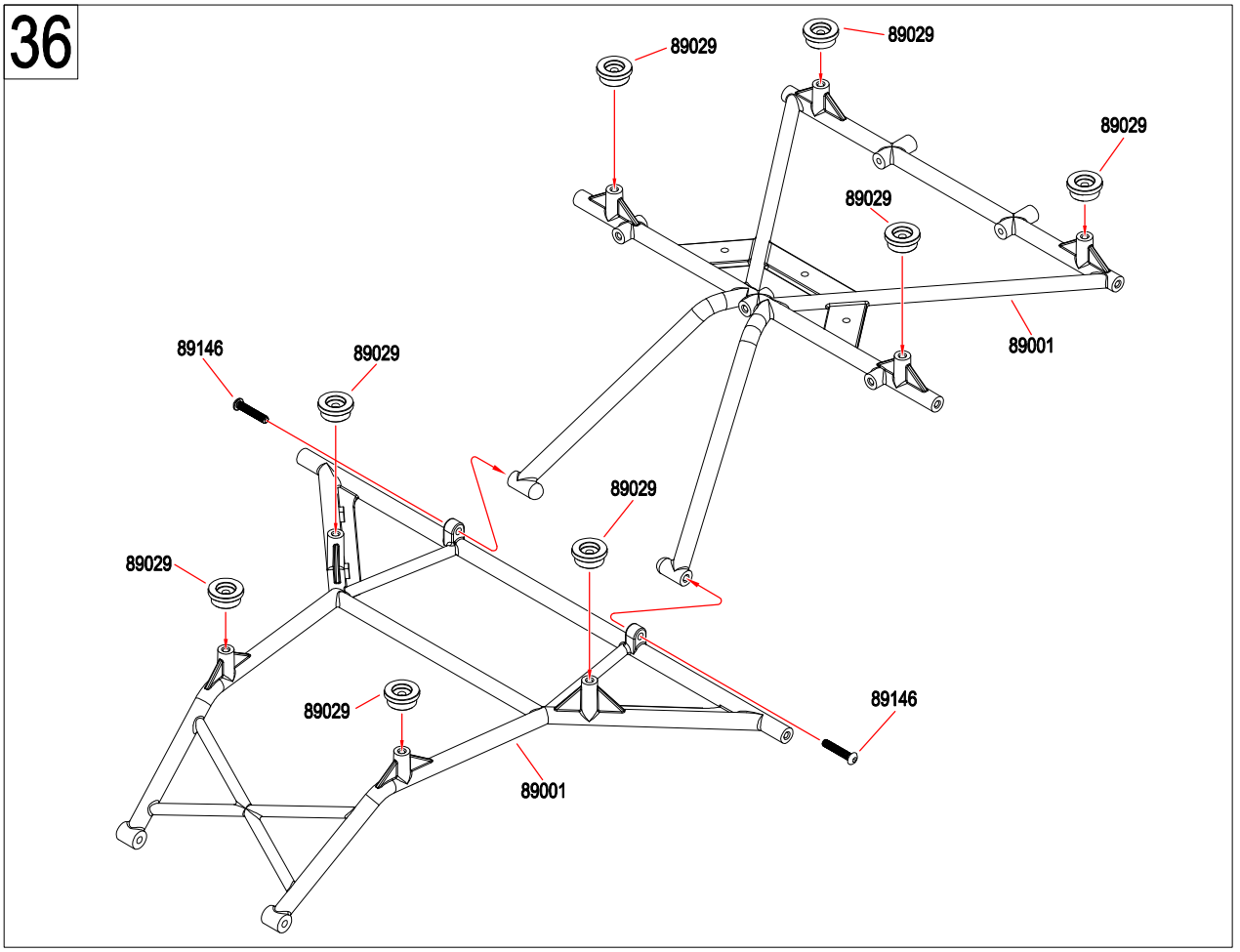
35





89146 ×2

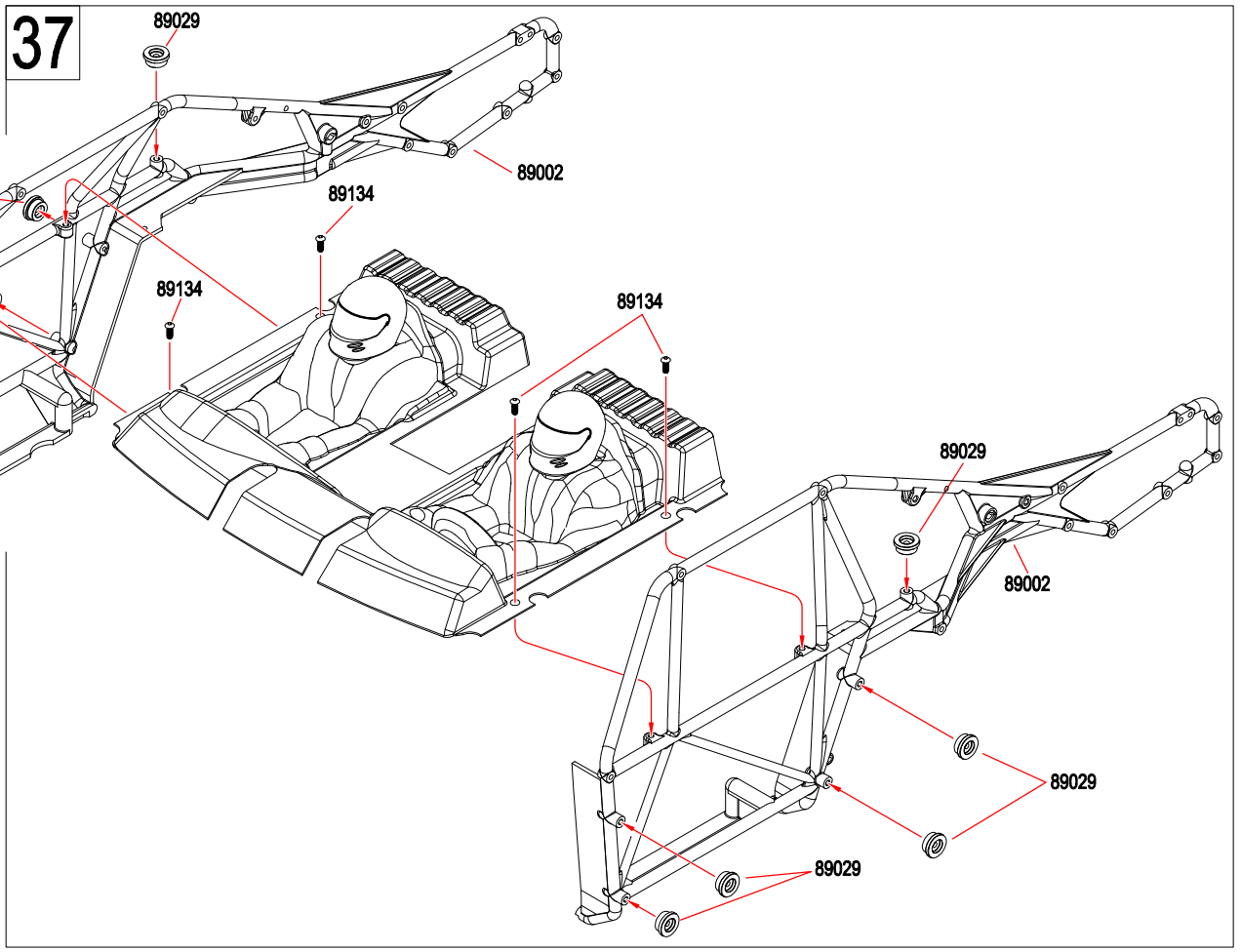
M3×16 Button head screw





89134 ×4

M3×8 Button head screw





89139 ×4

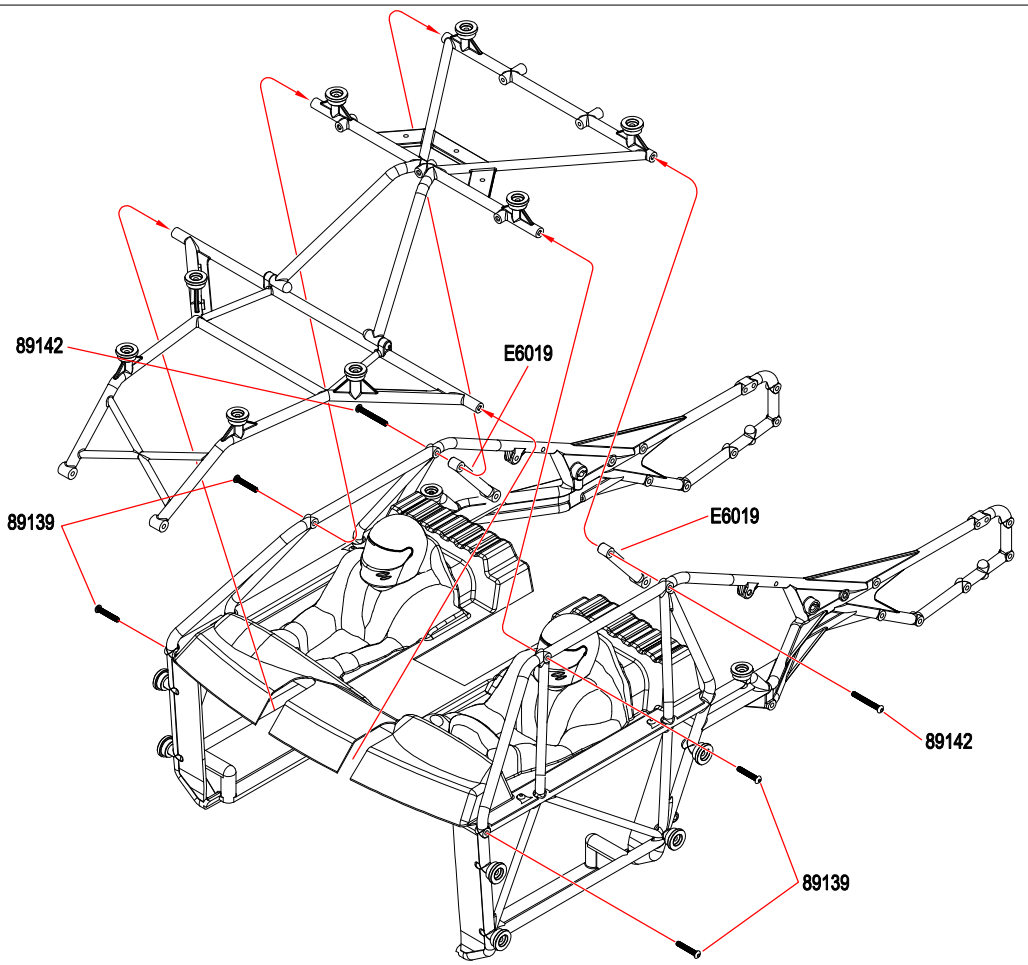
M3×18 Button head screw



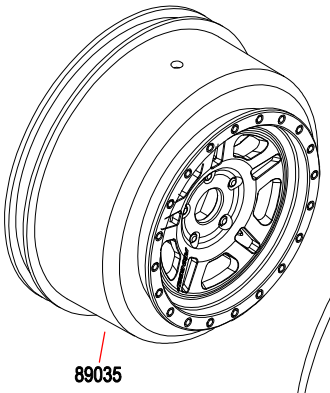
89142 ×2

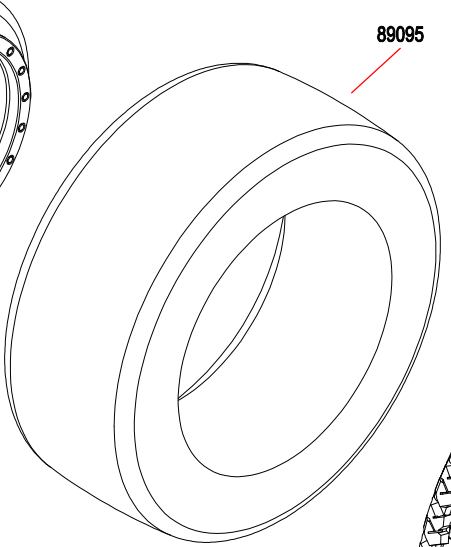
M3×25 Button head screw

38

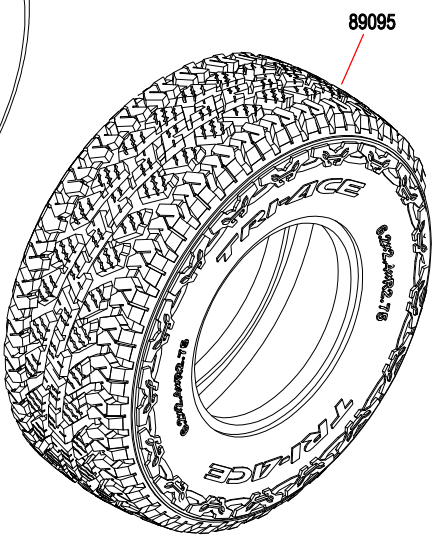


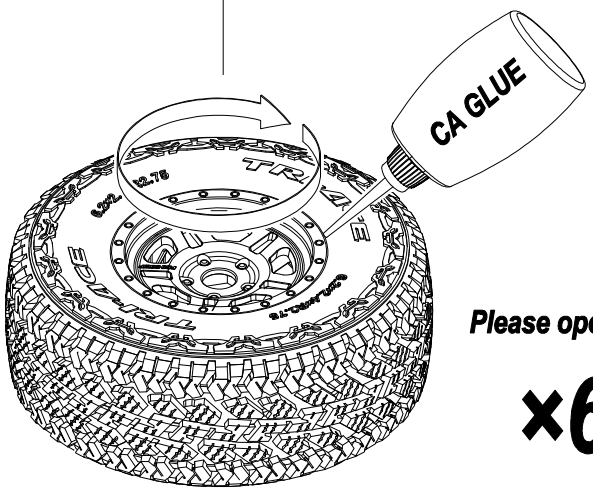
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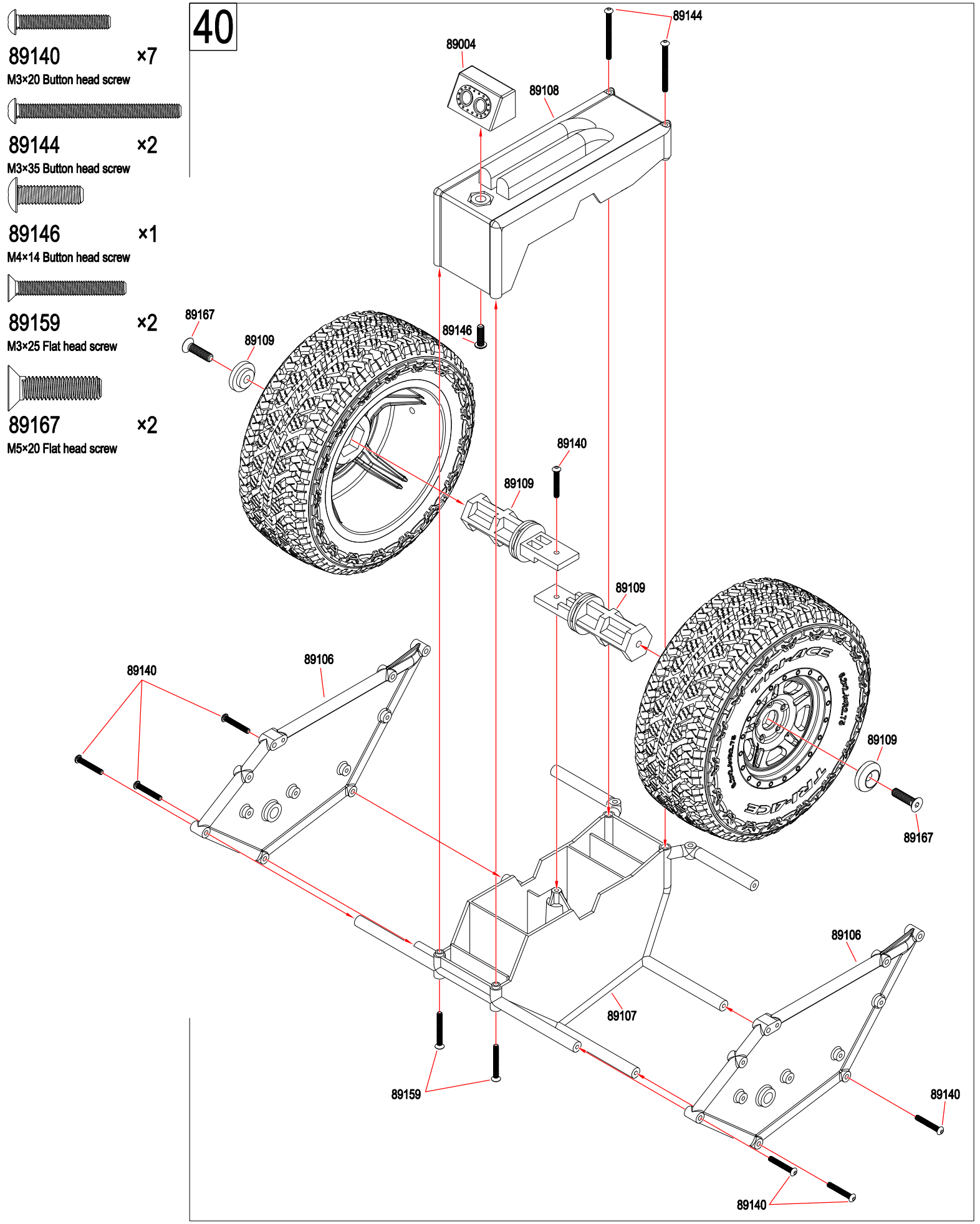
×6





Please operate it at ventilated place.

×6


40
89140 ×7
M3×20 Button head screw
89144 ×2
M3×35 Button head screw
89146 ×1
M4×14 Button head screw
89159 ×2
M3×25 Flat head screw
89167 ×2
M5×20 Flat head screw
89004
89144
89108
89167
89109
89146
89140
89109
89109
89140
89106
89109
89167
89106
89107
89159
89140
89140



89137 ×2

M3×14 Button head screw



89138 ×10

M3×16 Button head screw



89142 ×2

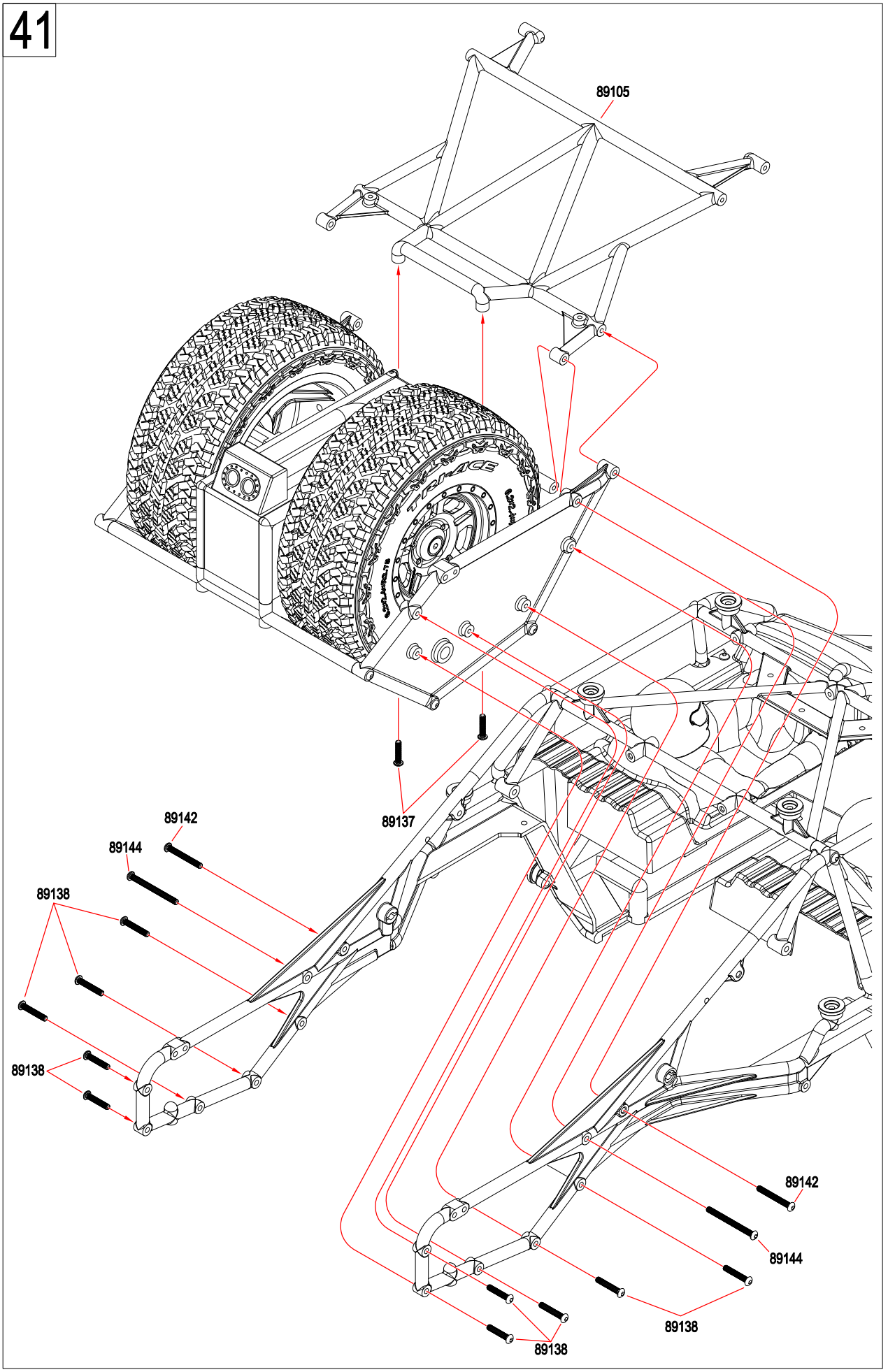
M3×25 Button head screw



89144 ×2

M3×35 Button head screw

41





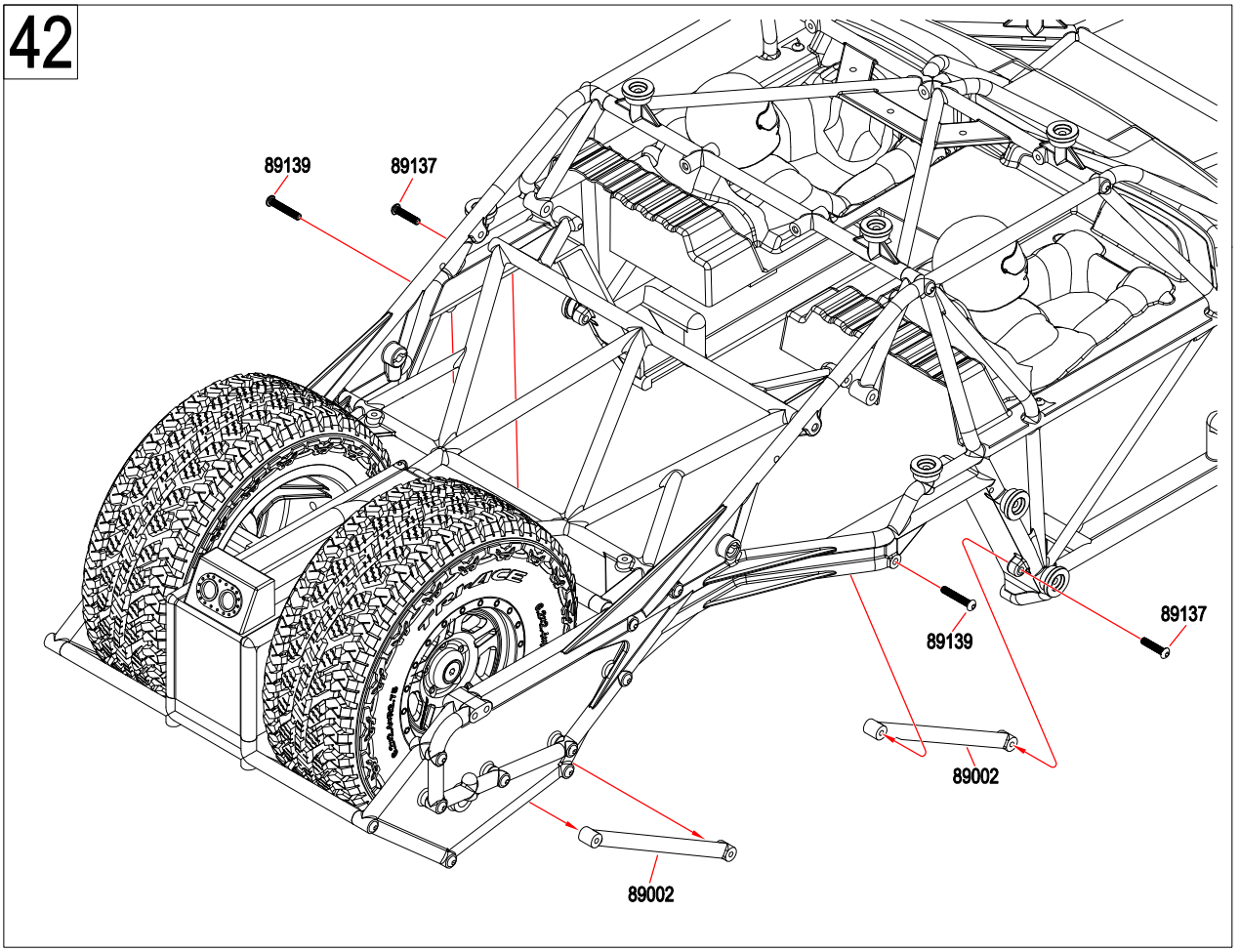
89137 ×2

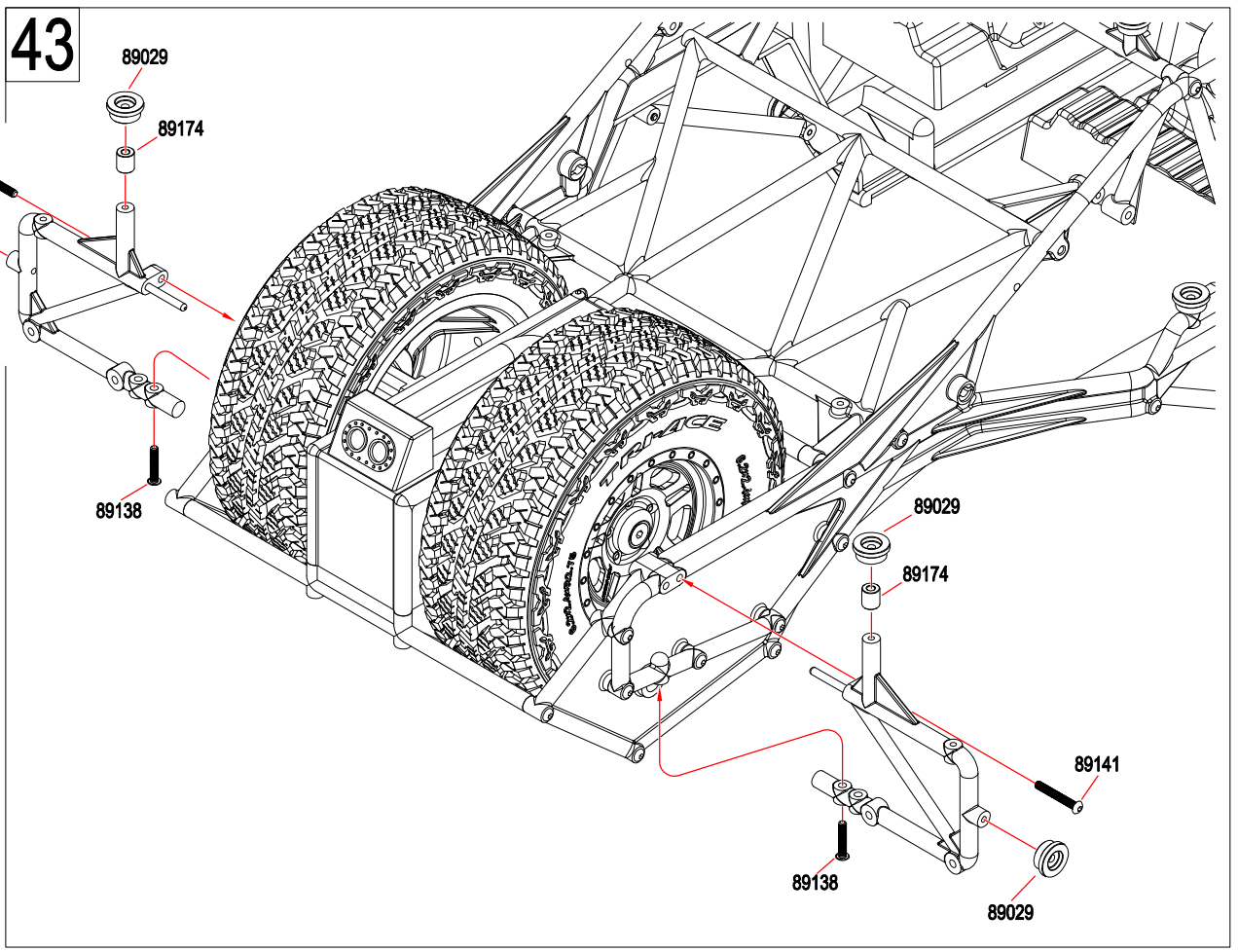
M3×14 Button head screw



89139 ×2

M3×18 Button head screw







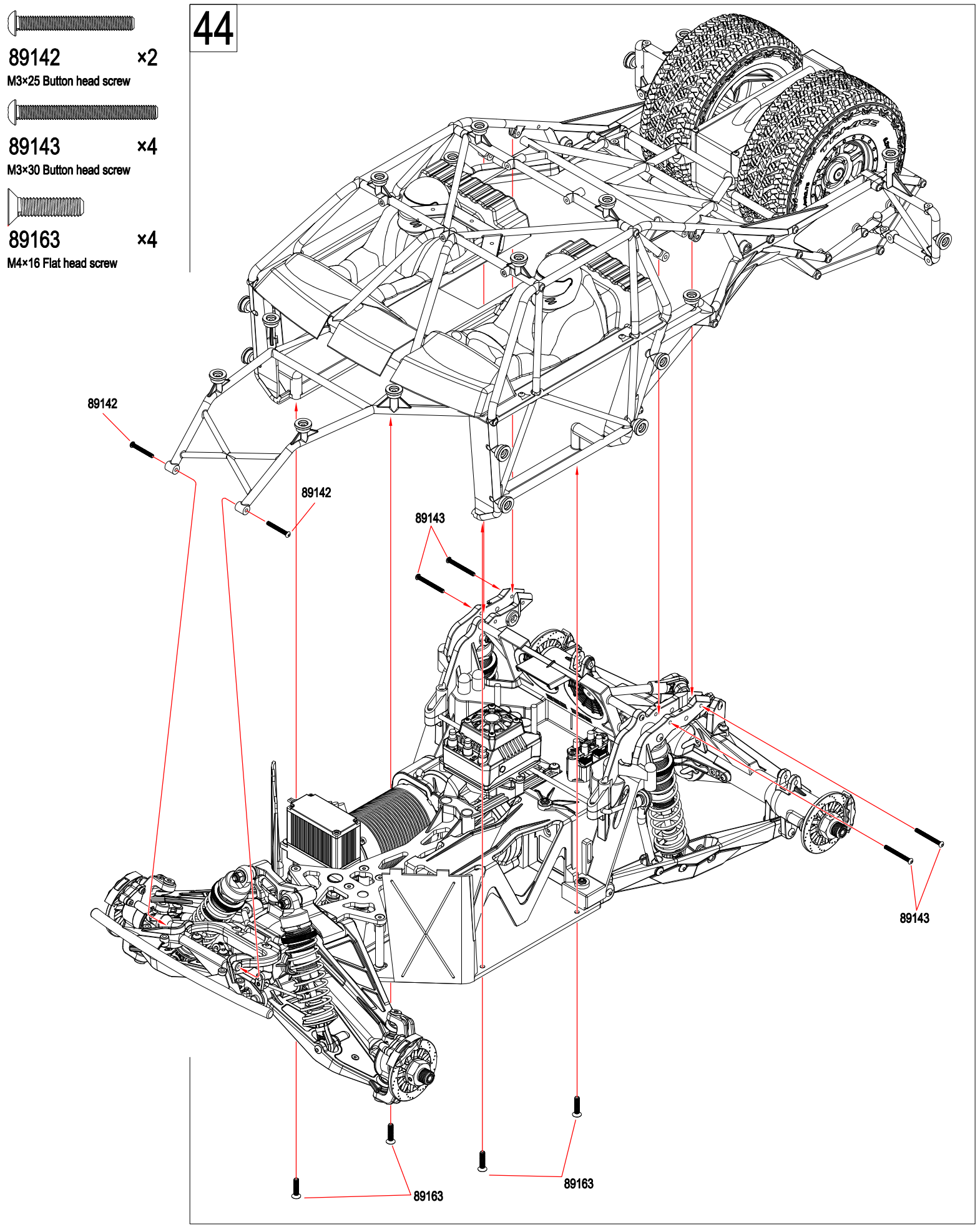
89138 ×2

M3×16 Button head screw



89141 ×2

M3×22 Button head screw


44
89142 ×2
M3×25 Button head screw
89143 ×4
M3×30 Button head screw
89163 ×4
M4×16 Flat head screw
89142
89142
89143
89143
89163
89163

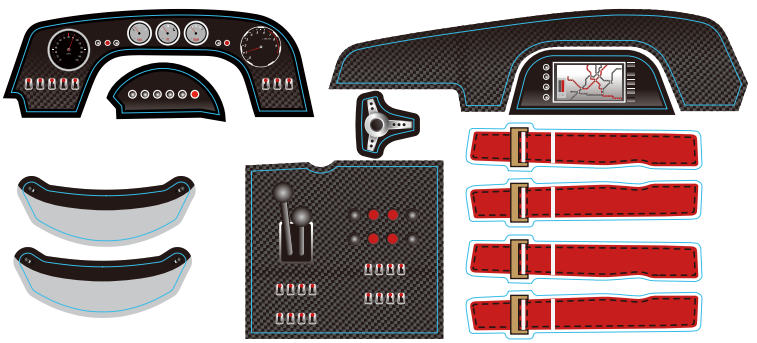
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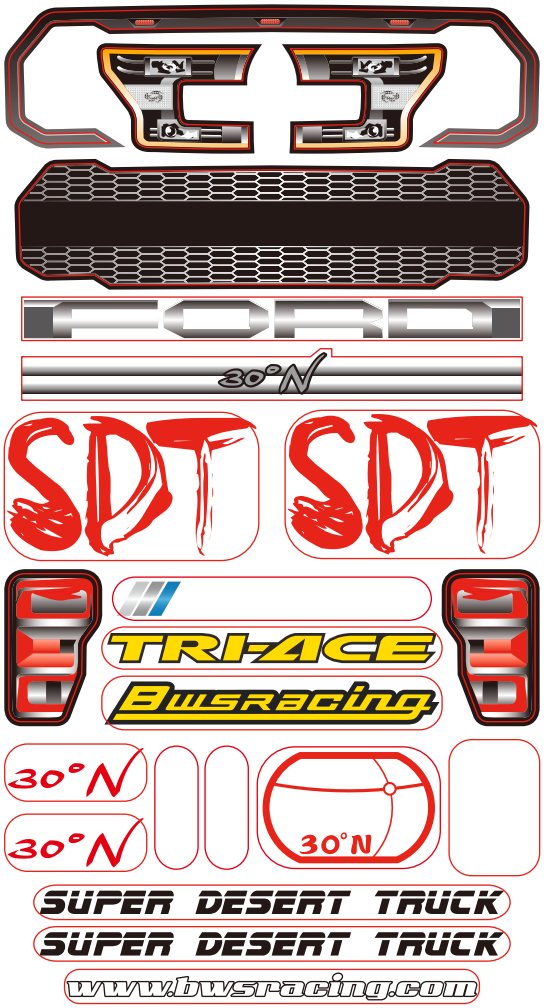


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89137 ×2

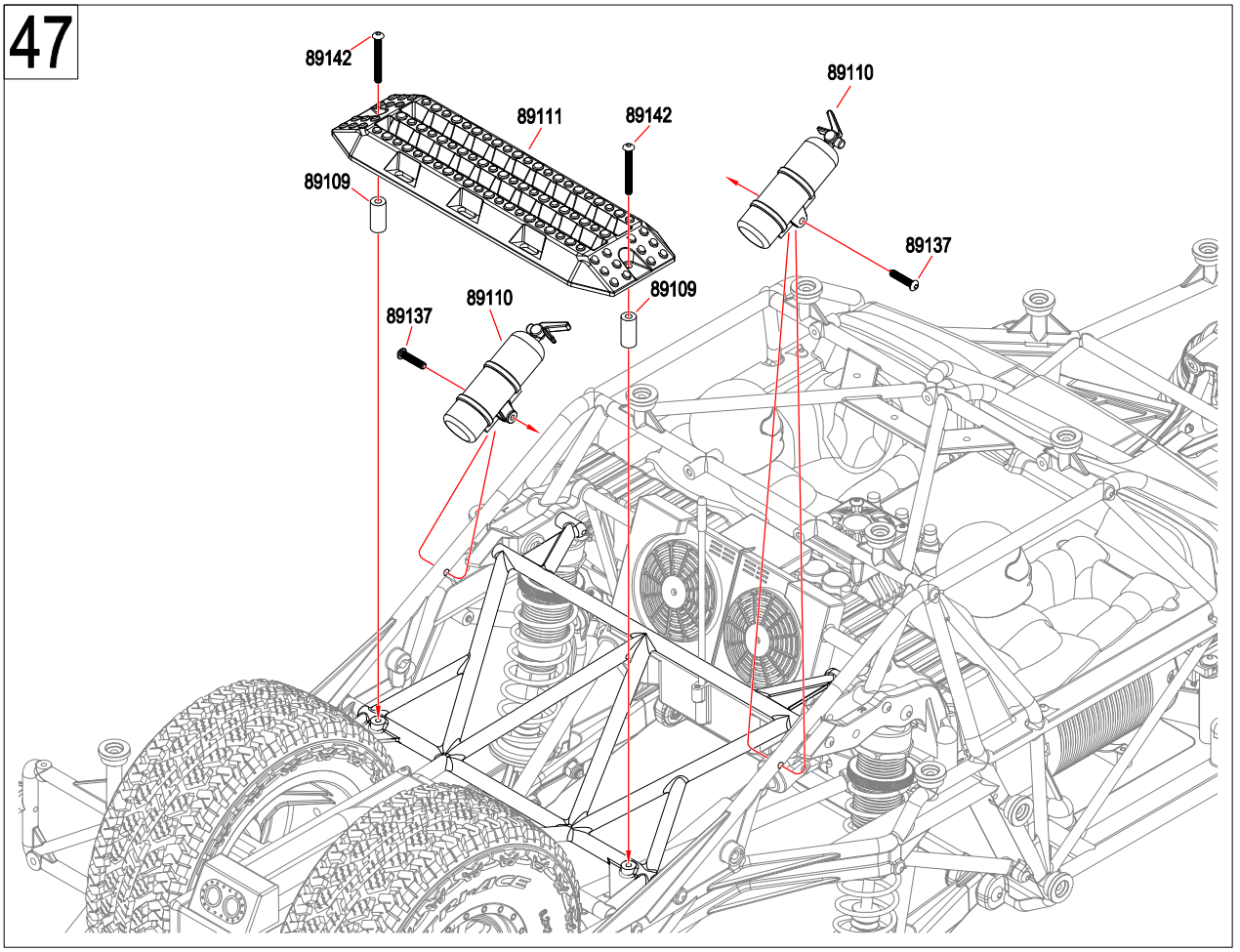
M3×14 Button head screw

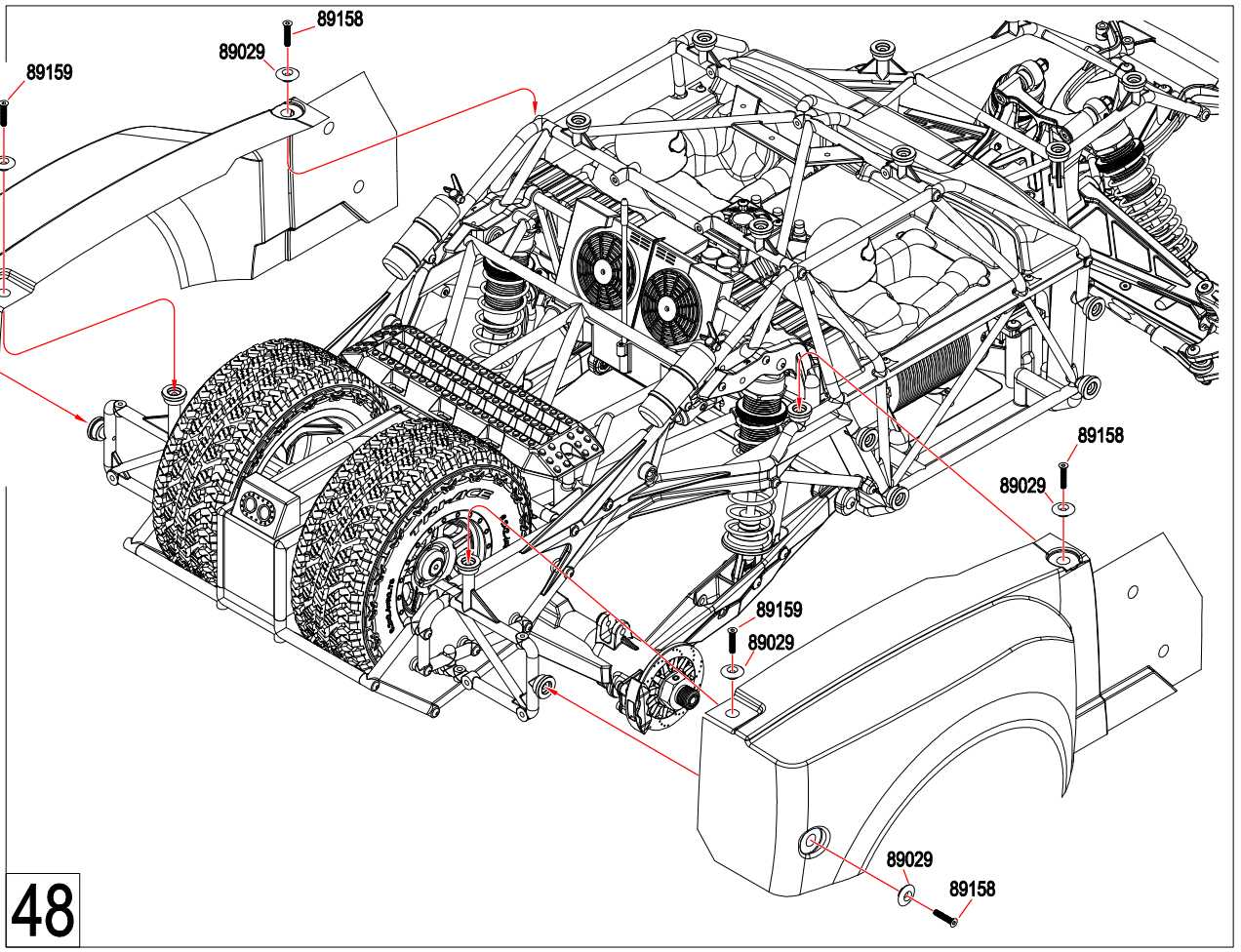


89142 ×2

M3×25 Button head screw

47





48



89158 ×4

M3×16 Flat head screw



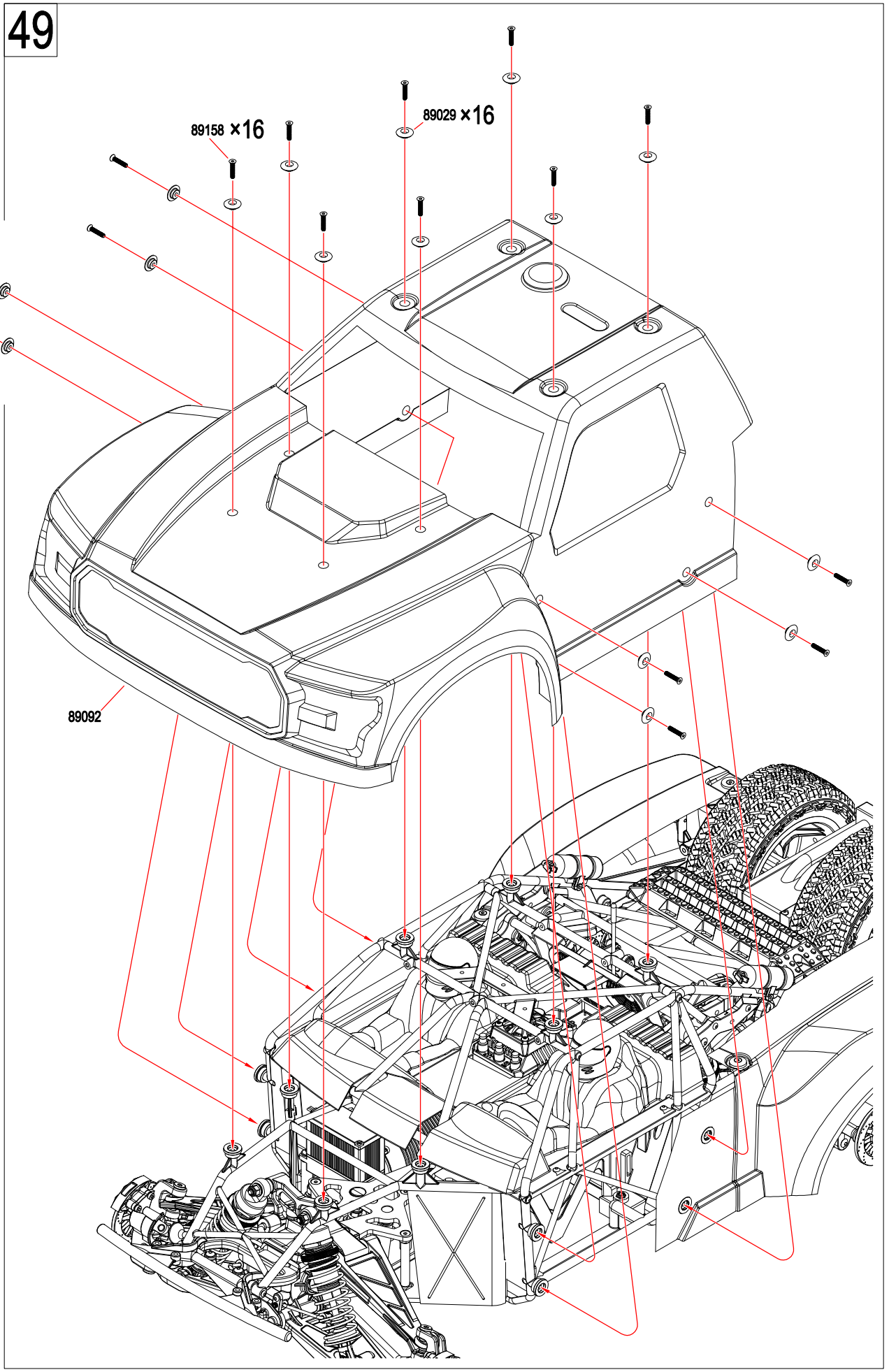
89159 ×2

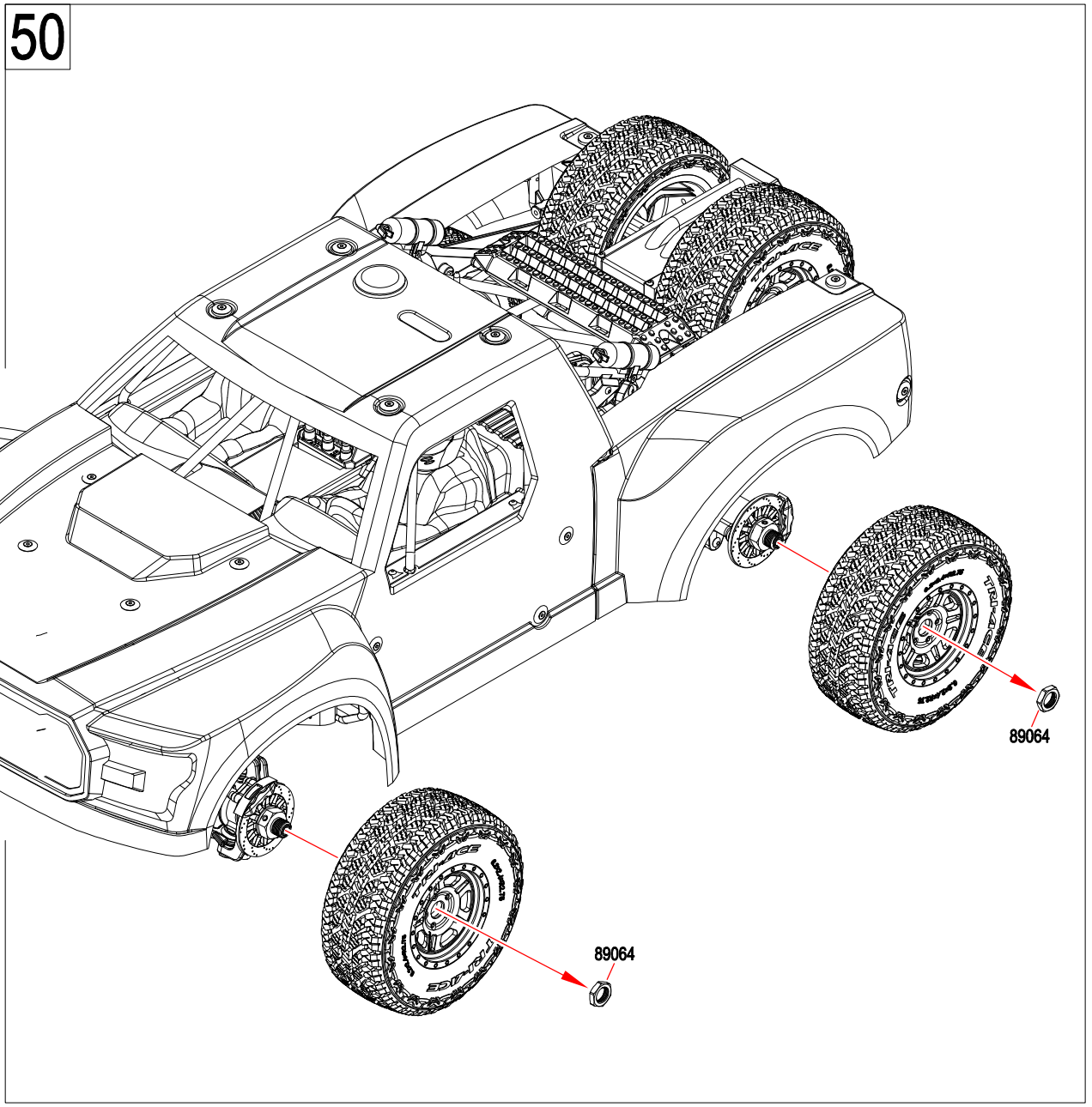
M3×25 Flat head screw



89158 ×16

M3×16 Flat head screw





Part List

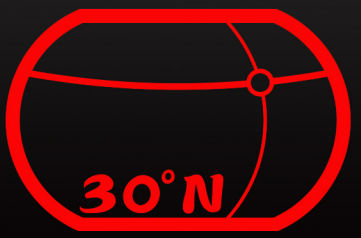
Part #	Description
89001	Front/Top roll cage
89002	Side roll cage
89003	Fan cover
89004	Fuel tank cover
89005	Mount for side fender
89006	Rear roll cage fender
89007	Battery tray
89008	Mount for steering servo and ESC
89009	Front bumper
89010	Side fender
89011	Door for battery tray
89012	Center gearbox
89013	Front gearbox
89014	Steering save
89015	Ball end set
89016	Hub carrier
89017	Front shock brace
89018	Mount set
89019	Rear shock upper mount

Part #	Description
89020	Rear swaybar mount
89021	Front swaybar mount
89022	Shock set
89023	Front shock spring
89024	Rear shock spring
89025	Front shock set
89026	Rear shock set
89027	Front shock body
89028	Rear shock body
89029	Body stator set
89030	Front shock body
89031	Rear shock body
89032	Brake disc set
89033	ESC plug mount
89034	Diff shell
89035	PROCOMP hub
89036	Rear arm set
89037	Lower arm set
89038	Upper arm set

Part List

Part #	Description
89039	Rear wheel seat
89040	Rear bridge set
89041	Main chassis
89042	Motor guard
89043	Stiffening plate
89044	Rear mount for lower arm
89045	Front mount for lower arm
89046	Stiffener
89047	Inner diff Washer set
89048	Servo arm
89049	Motor mount
89050	CVD drive shaft
89051	Crossing drive shaft
89052	Rear bridge shaft
89053	Center drive shaft
89054	Rear drive axle
89055	Front drive axle
89056	Center diff front out-drive
89057	Front and rear diff out-drive
89058	Center diff rear out-drive
89059	Upper mount for front shock
89060	Steering bushing set
89061	Steering Hardware Set
89062	Column for stiffening plate
89063	Wheel hub
89064	Hub nut
89065	Brake disc spacer
89066	Lower arm pin
89067	Diff pin
89068	Gear pin
89069	Front shock shaft
89070	Rear shock shaft
89071	M5×5×16mm Screw shaft
89072	Steering mount screw
89073	φ9×11mm ball
89074	φ9×13mm ball
89075	Front swaybar ball
89076	Rear swaybar ball
89077	φ8×8mm ball
89078	Front shock upper ball
89079	Rear shock upper ball
89080	Pinion Gear 19T
89081	Spur Gear 37T
89082	Spiral Pinion Gear 12T
89083	Spiral Bevel Gear 38T
89084	Gear 18-24T
89085	Hard Steel Differential Gear Set
89086	5×34mm turnbuckle
89087	5×85mm turnbuckle
89088	5×174mm turnbuckle
89089	Diaphragm
89090	Shock save pad
89091	Body with sticker(Clear)
89092	Body with sticker(Black)
89092-1	Body with sticker(Yellow&Black)
89093	Painted cockpit
89094	TRI-ACE AT3 tire with inner foam
89095	TRI-ACE AT3 wheel set
89096	Upper arm bar
89097	Rront&Rear swaybar
89098	Servo spring
89099	Differential pads
89100	Battery tray EVA
89101	Gearbox EVA
89102	Brushless ESC
89103	Brushless motor
89104	Steering servo
89105	Rear roll cage
89106	Spare tire guard plate

Part #	Description
89107	Counterweight box
89108	Counterweight box cover
89109	Spare tire seat
89110	Fire extinguisher
89111	Anti-Skateboard
89112	Transmitter&Receiver
89113	Antenna pipe
89114	Pin φ2.5×10mm
89115	Pin φ3×20mm
89116	O ring D10×φ2
89117	O ring D11×φ3.1
89118	O ring D14×φ1.2
89119	O ring D25×φ1.5
89120	Bearing φ4×φ8×3
89121	Bearing φ8×φ16×5
89122	Bearing φ10×φ19×5
89123	Washer φ3×φ7×0.5
89124	Washer φ4×φ9×0.8
89125	Washer φ6×φ14×0.3
89126	H5 C clip
89127	M3 Nylon nut
89128	M4 Nylon nut
89129	M5 Flanged nylon nut
89130	M3×5 Set screw
89131	M4×4 Set screw
89132	M4×6 Set screw
89133	M5×5 Set screw
89134	M3×8 Button head screw
89135	M3×10 Button head screw
89136	M3×12 Button head screw
89137	M3×14 Button head screw
89138	M3×16 Button head screw
89139	M3×18 Button head screw
89140	M3×20 Button head screw
89141	M3×22 Button head screw
89142	M3×25 Button head screw
89143	M3×30 Button head screw
89144	M3×35 Button head screw
89145	M4×12 Button head screw
89146	M4×14 Button head screw
89147	M4×16 Button head screw
89148	M4×18 Button head screw
89149	M4×20 Button head screw
89150	M4×22 Button head screw
89151	M4×25 Button head screw
89152	M4×28 Button head screw
89153	M4×30 Button head screw
89154	M4×35 Button head screw
89155	M2.5×8 Flat head screw
89156	M3×6 Flat head screw
89157	M3×12 Flat head screw
89158	M3×16 Flat head screw
89159	M3×25 Flat head screw
89160	M4×10 Flat head screw
89161	M4×12 Flat head screw
89162	M4×14 Flat head screw
89163	M4×16 Flat head screw
89164	M4×18 Flat head screw
89165	M4×20 Flat head screw
89166	M4×25 Flat head screw
89167	M5×20 Flat head screw
89168	M2.5×8 Cap head screw
89169	M3×8 Cap head screw
89170	M3×10 Cap head screw
89171	M3×12 Cap head screw
89172	M3×35 Cap head screw
89173	M4×12 Cap head screw
89174	Spacer 3×7×8



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