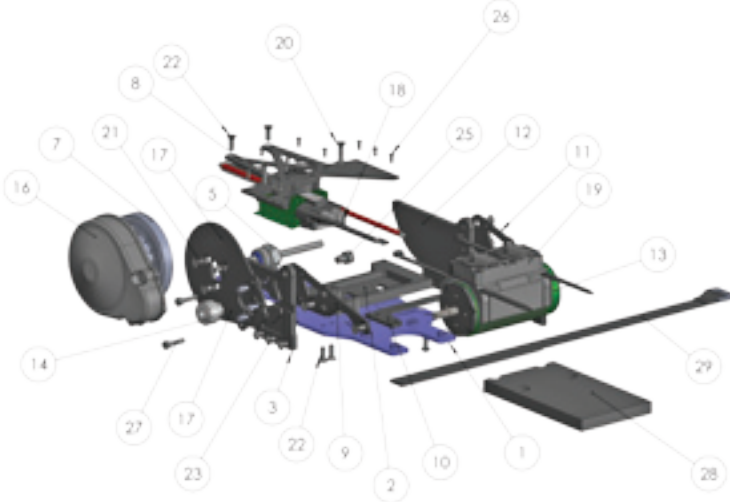


# FOR 1/5TH SCALE HPI BAJA 5B AND 5T ASSEMBLY INSTRUCTIONS



Item #	Description	QTY
1	Baja Stock Car Base Plate	1
2	Base Plate	1
3	Motor Mount Plate	1
4	12 x 24 x 6 Bearing	1
5	Baja Stock Part	1
6	Baja Stock Shaft	1
7	Baja Stock Spur	1
8	Diff Plate	1
9	Passenger Frame Plate	1
10	Lateral Brace	1
11	Driver Frame Plate	1
12	Motor Mount Plate	1
13	2028 Motor	1
14	14T MOD1.5 Pinion	1
15	Mamba XL ESC	1
16	Baja Stock Gear Guard	1
17	Gear Cover Plate	1
18	Diff Spacer	1
19	2028 Dual Fan Shroud	1
20	M5 X 30mm Flat Head Cap Screw	2
21	M5 X 10mm Flat Head Cap Screw	3
22	M5 X 15mm Flat Head Cap Screw	9
23	M5 X 15mm Button Head Cap Screw	8
24	M4 X 8mm Socket Head Cap Screw	3
25	M8 X 20mm Socket Head Cap Screw	1
26	M3 X 10mm Button Head Cap Screw	10
27	M5 X 20mm Socket Head Cap Screw	6
28	Battery Pad	1
29	Battery Strap	2

# BAJA CONVERSION KIT

Tools and materials you will need:

- 2mm hex wrench
- 3mm hex wrench
- 4mm hex wrench
- 6mm hex wrench
- green threadlocker

**Note:** wait until all parts are assembled before tightening screws.

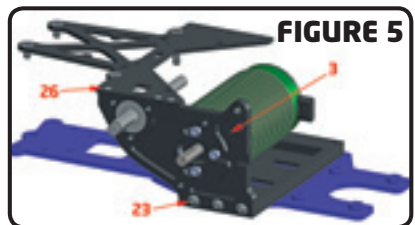
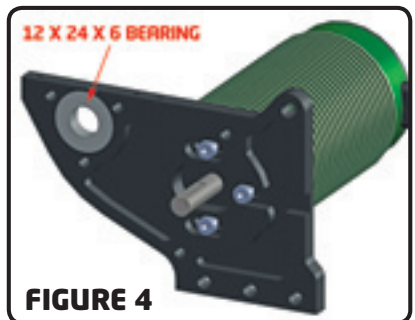
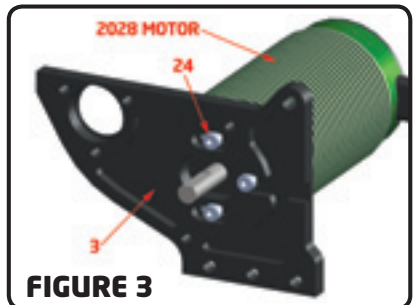
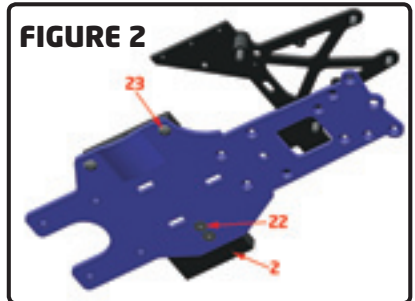
Refer to HPI Baja manual for gas engine removal instructions.

1. Assemble **Diff Plate** (item 8) to the lower rear shock brace of the car using two **M5 X 15mm long flat head cap screws** (item 22) along with **Diff Spacer** (item 18) and two **M5 X 30mm long flat head cap screw** (item 20) as shown in figure 1.

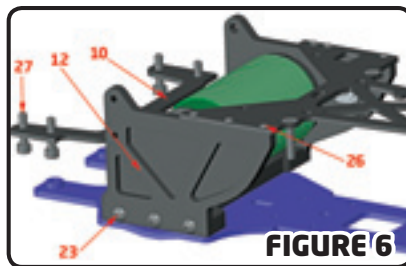
2. Attach **Base Plate** (item 2) onto the base plate of the car's frame. Refer to figure 2. Use two **M5 X 15mm long flat head cap screws** (item 22) and two **M5 X 15mm long button head cap screws** (item 23).

3. Mount the **2028 motor** to **Motor Mount Plate** (item 3) as shown in figure 3. Use three **M4 X 8mm long socket head cap screws** (item 24).

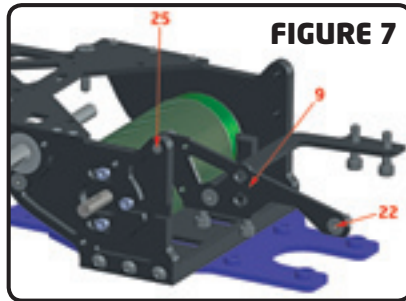
4. Place the existing 12 x 24 x 6 bearing from



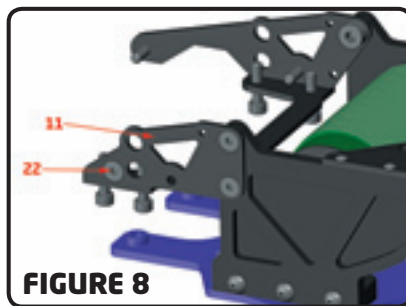
the Baja stock vehicle into the corresponding counter-bored hole into **Motor Mount Plate** (item 3) as shown in figure 4.



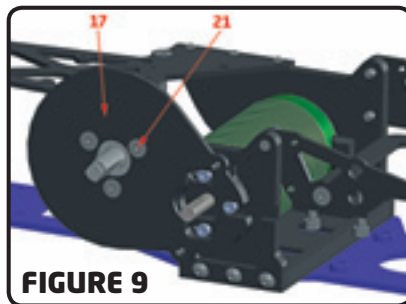
5. With the bearing facing out, slide the bearing over the car's drive shaft and secure the **Motor Mount Plate** (item 3) to **Base Plate** (item 2) using three **M5 X 15mm long button head cap screws** (item 23) and **Diff Plate** (item 8) using three **M3 X 8mm long button head cap screws** (item 26) as shown in figure 5.



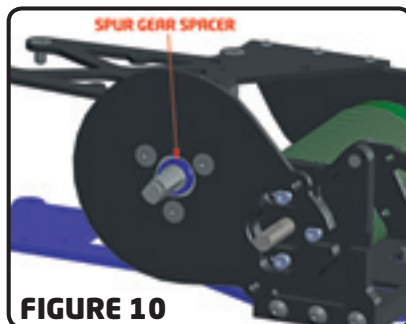
6. Use four **M5 X 20mm socket head cap screws** (item 27) to mount **Lateral Brace** (item 10) between the frame and roll cage. Refer to figure 6.



7. Secure **Box Frame Plate** (item 12) to **Base Plate** (item 2) using three **M5 X 15mm long button head cap screws** (item 23) and **Diff Plate** (item 8) using three **M3 X 8mm long button head cap screws** (item 26). See figure 6.



8. Mount **Passenger Frame Plate** (item 9) to **Motor Mount Plate** (item 3) using one **M8 X 10mm long socket head cap screw** (item 25) and the roll cage using two **M5 X 15mm long flat head cap screws** (item 22). See figure 7.



9. Mount **Driver Frame Plate** (item 11) to **Box Frame Plate** (item 12) and Baja roll cage using three **M5 X 15mm long flat head cap screws** (item 22) as shown in figure 8.

10. Assemble **Gear Cover Plate** (item 17) onto **Motor Mount Plate** (item 3) using three **M5 X 10mm long flat**

**head cap screws** (item 21). See figure 9.

11. At this time tighten all screws.

12. Replace the spur gear spacer over the drive shaft.

13. Replace the Baja stock spur gear and "E" clip.

14. With the motor mounting screws loose, slide the desired Castle MOD 1.5 pinion onto the motor shaft. Check for proper gear mesh. Adjustments are made by sliding the motor sideways. Once the proper mesh is achieved, tighten the motor mount screws. You may have to slide the pinion off of the motor shaft to reach the motor mounting screws.

15. Once the pinion and motor are properly adjusted, align the set screw in the pinion on the flat on the motor shaft and tighten set screw.

**Note: apply a small amount of green threadlock between motor shaft and pinion.**

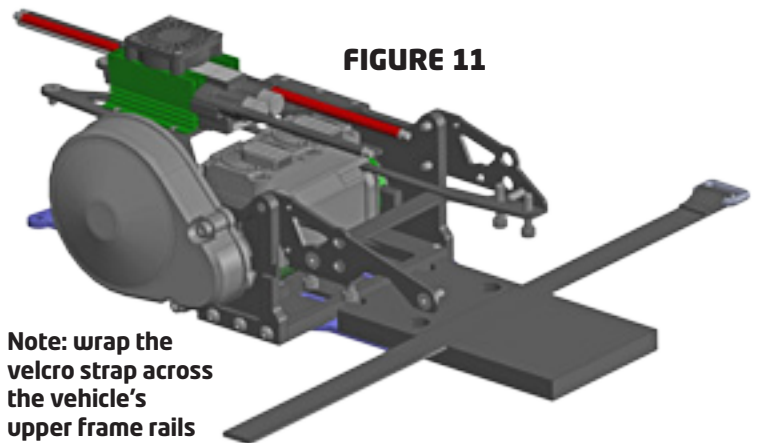
16. Place the **Castle 2028 Dual Fan Shroud** (item 19) over the **Castle 2028 Motor** and secure in place with the provided plastic zip straps.

**Note: Make sure the blowers are facing the front of the vehicle.**

17. Mount the **Castle Mamba XL ESC** onto item **Diff Plate** (item 8) using four **M3 X 8mm long button head cap screws** (item 26).

18. Mount **HPI Gear Guard** (item 16) onto **Gear Cover Plate** (item 17) with two **M5 X 20mm long socket head cap screws** (item 27).

19. Once complete, the assembly should look like figure 11.



**Note: wrap the velcro strap across the vehicle's upper frame rails to secure your batteries.**

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