



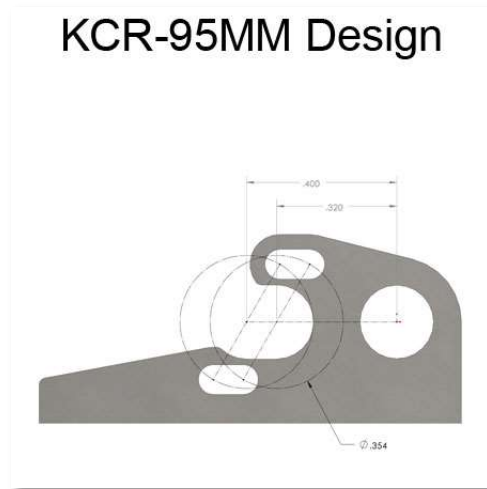
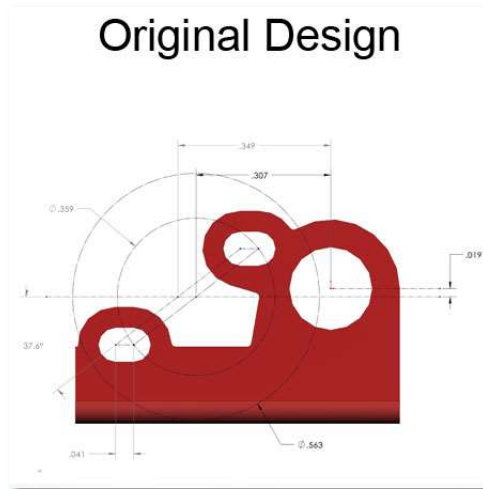
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C95 Chassis Gear Range Upgrade

The C95 chassis released in 2025 a chassis apparently earmarked for ISRA 1/24th Production Class racing. It was reported by JK Products, Robert Henderson that the C95 chassis is designed for 7/40-44 and 8/39-43 in 72 Pitch and 6/36-38 in 64 Pitch. This leaves a large gap in available gearing used in other brushless racing.

The original chassis design has a range of .307" to .349" in mated diametrical pitch.



What we have developed is a modification to the motor mount that allows:

1. Use of advanced motors with e-clips on the pinion shaft.
2. A wider gear range to be installed in the chassis. Specifically, the mated diametrical pitch range is changed to .320" to .400" once the modification is installed.

This will provide the theoretical gear ranges (theoretical because not all of the gears are commercially available) of 7/34-43, 8/33-43, 9/32-42, 10/31-41, 11/30-40, 12/39-39, 13/29-38, 14/29-37 in 64 Pitch and 7/40-45, 8/39-45, 9/38-45, 10/37-45, 11/36-45, 12/36-45, 13/35-44, 14/35-43 in 72 Pitch.

KCR-C95MM



The KCR-C95MM is a two-piece kit made of .030" [.762mm] 304 stainless.

- The upper part is the mount to install in the chassis
- The lower part is the template to mark the chassis for modifications.

Now Get out... Go racing... and most of all enjoy!



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C95 Original Mount



The photo on the left shows the chassis motor mount as originally manufactured.

MODIFICATION

The photo on the right shows how the template is installed on the inside of the rear axle/motor mount. Using a 3/16" fastener or guide flag post the template can be held in place thru the axle bushing hole. Using a Sharpie mark the chassis from the inside along the template.

Template In Place



Chassis marked for trim



The photo on the left shows the chassis marked for trimming.

The right photo shows the chassis trimmed. The template is in the foreground of the photo.

Chassis trimmed



Prep the area to solder



Prep the area to be soldered with a sanding disc or grinding wheel.

Using Acid flux; solder the new mount in place. The mount is slightly larger than the axle upright to provide an area on the outside of the chassis that can be soldered.

KCR-C95MM Installed





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KCR-C95MM Installed



Motor w/e-clip installed



64 PITCH GEARS

	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
7	0.256	0.289	0.297	0.305	0.313	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391
8	0.289	0.297	0.305	0.313	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398
9	0.297	0.305	0.313	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406
10	0.305	0.313	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406	0.414
11	0.313	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406	0.414	0.422
12	0.320	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406	0.414	0.422	0.430
13	0.328	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406	0.414	0.430	0.438	0.445
14	0.336	0.344	0.352	0.359	0.367	0.375	0.383	0.391	0.398	0.406	0.414	0.422	0.430	0.438	0.445

72 PITCH GEARS

	35	36	37	38	39	40	41	42	43	44	45
7	0.292	0.299	0.306	0.313	0.319	0.326	0.333	0.340	0.347	0.354	0.361
8	0.299	0.306	0.313	0.319	0.326	0.333	0.340	0.347	0.354	0.361	0.368
9	0.306	0.313	0.319	0.326	0.333	0.340	0.347	0.354	0.361	0.368	0.375
10	0.313	0.319	0.326	0.333	0.340	0.347	0.354	0.361	0.368	0.375	0.382
11	0.319	0.326	0.333	0.340	0.347	0.354	0.361	0.368	0.375	0.382	0.389
12	0.326	0.333	0.340	0.347	0.354	0.361	0.368	0.375	0.382	0.389	0.396
13	0.333	0.340	0.347	0.354	0.361	0.368	0.375	0.382	0.389	0.396	0.403
14	0.340	0.347	0.354	0.361	0.368	0.375	0.382	0.389	0.396	0.403	0.410

- Gear combination will not fit the KCR-C95MM mount
- Gear combination will not work C95 original mount

Due to gear mesh setting and manufacturing tolerances there may be a slight variance in gears that fit