

ChainDragGONE CD07 With Multi Mount Set up for Briggs Flat Head and Animal Engines

Thank you for purchasing the all new innovative CD07 MultiMount ChainDragGONE. Many years of product development have culminated with the finest chain management system for kart racing venues which include dirt and asphalt ovals, as well as road racing. As a racer, you will notice a smoother, vibration free ride; you will notice an almost instant throttle response; and with a little seat time you will learn how different the kart feels under you and what changes you will want to make after a race because of more refined feedback while racing!



1. Start by removing the clutch assembly from the crank shaft, all mounting hardware is provided with the ChainDragGONE CD07.
2. With the clutch assembly removed, notice the mounting holes beginning with the lower front PTO mounting hole just under the clutch. (Note: Now is the time to remove the Multi Mount assembly from the mounting plate; two bolts and a 1/2 inch wrench will be needed for this.) The engine mounting plate has a deep recessed 5/16 tapered through hole that corresponds to the threaded boss hole on the side cover. Remove the 2 lower side bolts.
3. With the bolts removed, locate the 2 aluminum spacers (provided). The spacers will space the engine mounting plates off of the side cover. Install one of the 5/16 flat head bolts in the PTO mounting hole and two 1/4x1 3/4 inch bolts in the lower side cover bolt holes. If you are installing the ChainDragGONE CD07 on an Animal engine, the mounting hardware is different! The mounting hardware includes two 1/4x 7.1 mm stainless steel studs that replace the lower side cover bolts. The metric bolts also have an Allen head flat cap shouldered nut that corresponds with the 1/4 inch threads on a stud and two lock washers that fit between the shouldered nut and the side cover engine mounting plate. Also notice two aluminum spacers are provided to space the engine mounting plate away from the side cover. This is important because of the variations in the casting of side covers.
4. With all the bolts and studs installed and torqued to spec.; the side cover engine mount is mounted on the engine (Animal or Flattie).
5. Installing the MultiMount assembly: Notice that when you received your ChainDragGONE CD07 the MultiMount was bolted to the engine mounting plate, this is for shipping reasons only and the alignment is set at the factory. The ChainDragGONE CD07 wheel will clear the oil cap and be very close to the side cover. Four holes are located on the side cover plate for the attachment of the MultiMount. If you have a Junior driver and need the engine forward on the chassis for nose weight, install the MultiMount so it is mounted at the rear most hole. The Multi Mount alignment is for the normal crank situations and sometimes different spacers have to be used on the crank to align the wheel to the clutch basket driver. The swing arm assembly has four holes at the wheel mounting point so that you can move the ChainDragGONE CD07 back and forward providing clearance between the rear sprocket and chain guard plates. This is also useful when changing to bigger diameter rear sprockets and helps you fine tune your set up.
6. With the Multi Mount firmly bolted to the side cover, set your engine back on the frame in the position from which it was removed. On the Multi Mount you will notice that the DB06 Bridge assembly. The 1/4 inch Allen head bolt is used to set the position of the swing arm assembly. Loosen the bridge bolt and move the swing arm down; you should have enough clearance to set the chain on the wheel. If it didn't swing down far enough, loosen the 7/16 jam nut at the clevis and turn the swing arm adjustment bolt counter clock wise to get a proper drop on the swing arm and wheel. Make sure that you tighten the jam nut or the bolt can back out of the clevis! If you need to add a few links, now is the time to do it. I recommend scaling the kart to find the position that you have been most comfortable with in your set ups.

Once the ChainDragGONE CD07 is installed, follow these key points:

1. If you want to race with the ChainDragGONE CD07 loose on the kart (1/2 inch or more slack on the kart stand), you are defeating the purpose of buying the ChainDragGONE CD07!
2. ChainDragGONE Race Products recommends setting the chassis on the ground or scales and setting the slack with the driver seated in the Kart. At this point in the set up there should be approximately 1/2 inch of slack. This adjustment is made with the Dither Bridge Allen bolt. Loosen the bolt and let the swing arm and wheel engage the chain. Check how much slack is present. To make the slack adjustment, push down on the top part of the chain between the clutch and rear sprocket. You will notice the swing arm move accordingly. Lock the Dither Bridge Allen bolt when the desired slack is achieved.
3. With adjustment made in a dynamic state (chassis loaded) you will find that the rear axel seems bound or does not spin as free as before! This normal but goes against everything anyone has taught you about Kart set up!
4. Consider this, setting the chain adjustment is much like setting the castor and camber or your cross weight percentage, I know that you would not do those critical adjustments on the kart stand so **DON'T DO YOUR CHAIN ADJUSTMENT ON THE STAND EITHER!** These adjustments depend on the stagger; weight of the driver; his or her driving style; or whether they are Junior I or an Adult class racer.
5. The single most important issue is the set above. The axel with it setting on the stand is not in a dynamic (loaded) state, so when you picked the Kart up and put it on the stand, the weight of the driver and all the other factors are not dynamically present.
6. Your first time experience with the ChainDragGONE CD07 will seem like the chain doesn't like the other roller wheel assembly. The wear that is present with your current set has worn a pattern in the gear assembly. The ChainDragGONE CD07 wheel is new and will wear to compliment your existing set up.

Now go out and have racing fun!

Scott Lilienthal

ChainDragGONE Race Products



ChainDragGONE for the Flattie



ChainDragGONE for the Animal