



TECHNICAL BULLETIN
20.0" FRAME UPGRADE
15/09/2016

Frame Upgrade on 20.0 Eco & Racing Models.

Switching to a 2017 20.0" Frame.

The early 2017 20.0" Eco & Racing models switched to a new front frame design, which incorporates extra cross tubes for increased strength. Several components have moved position on the bike to accommodate the frame change. The before and after illustrations in this bulletin should help identify the new component positions if the frame from an older 20.0" bike is being upgraded.



Images 1a & 1b. Detailed view of the frame of a 2017 20.0 Racing model.

Fitting Notes:

Controller Cover:

The most noticeable change when upgrading to the newer 2017+ frame, is that the plastic controller cover (*highlighted blue in Image 2a*) is no longer used due to the frame changes & must be removed.

1 x M6 & 2 x M4 bolts hold the controller cover in place and can be easily accessed with the side panel & front splashguard removed.



Image 2a - Controller cover fitted to a 2016 model.



Image 2b - Controller cover removed on a 2017 model.



Controller & Fuse Holder:

Both the controller & the fuse holder have been moved on the new frame, as highlighted in the images below. The controller is now mounted on the new cross brace tubes, which shortens the cable routing & the fuse holder is now attached to the top of the controller housing.

This makes the both the controller & fuse holder more accessible. The controller uses the same bolts to mount to the frame as before and doesn't require any wiring modifications.



Image 3a - Previous controller & fuse holder positions.



Image 3b—Relocated controller & fuse holder.

Relay:

The relay is no longer fitted under the rear mudguard & is now bolted to a new mounting tab inside the frame with the rest of the electrical components (*highlighted below*). Please note the Velcro relay bag is no longer used to house the relay, as the unit should be protected from dirt & moisture in it's new position.

Also note, the relay control wire, running from the relay to the controller is also no longer required, as in it's new position the controller wire can be bolted directly to the relay.



Image 4a - Previous relay mounting position.



Image 4b - New relay location on 2017+ frames.

For any help or advice when swapping the frames, please contact your local OSET dealer, or OSET HQ directly.