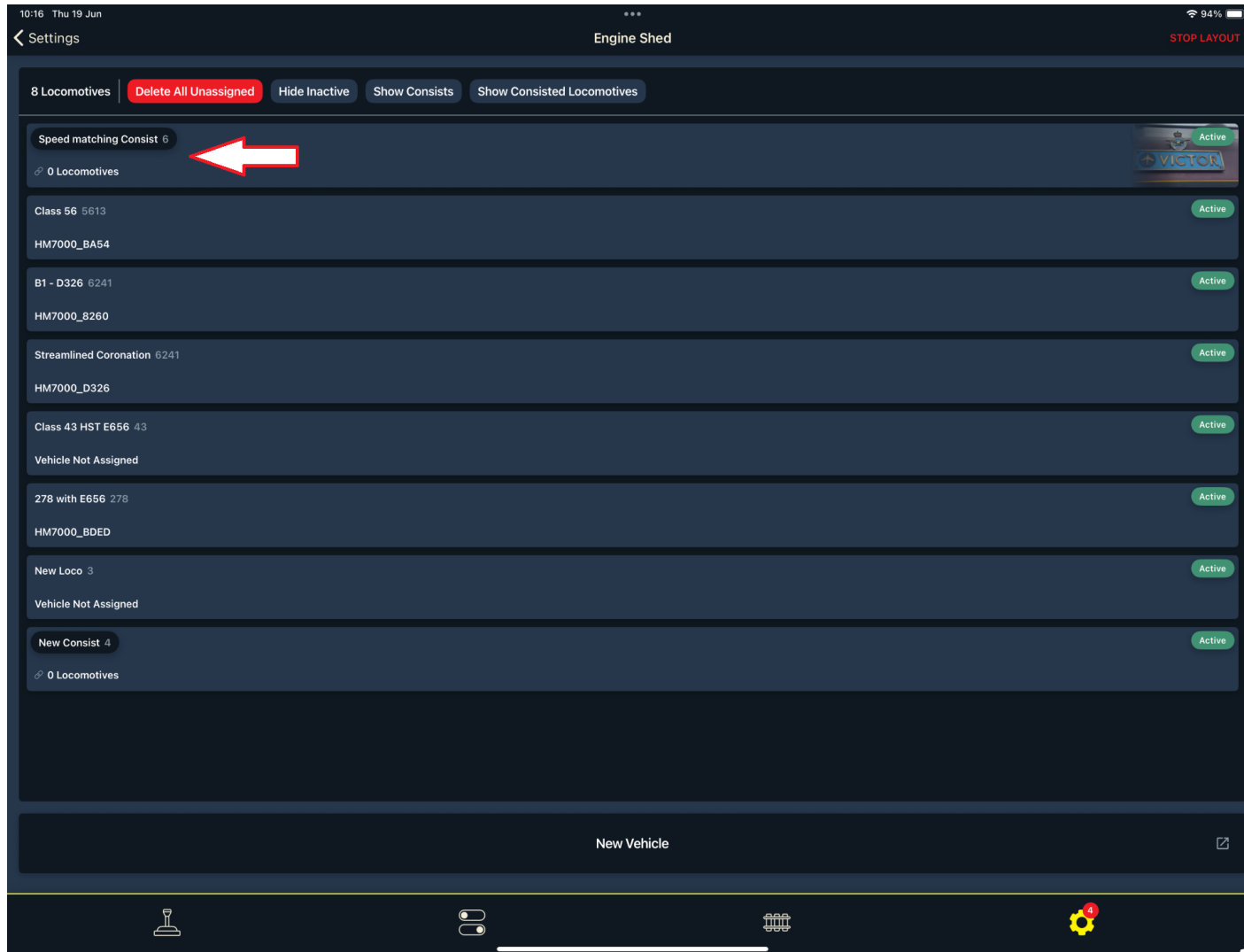


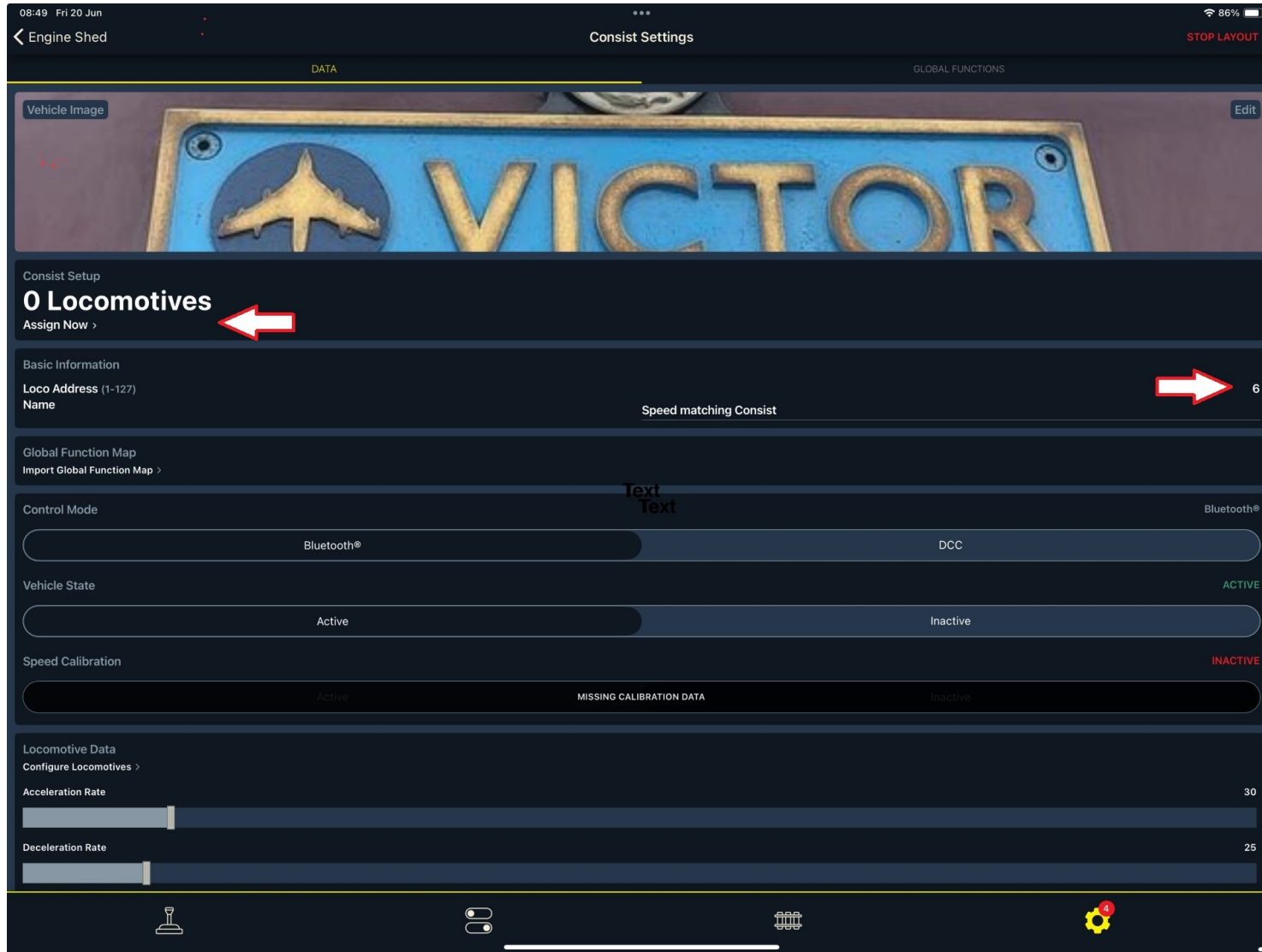
Guide to Locomotive Speed Calibration in a Consist

1. In Engine Shed set up a new consist and move it to the top of the listing by click and drag.

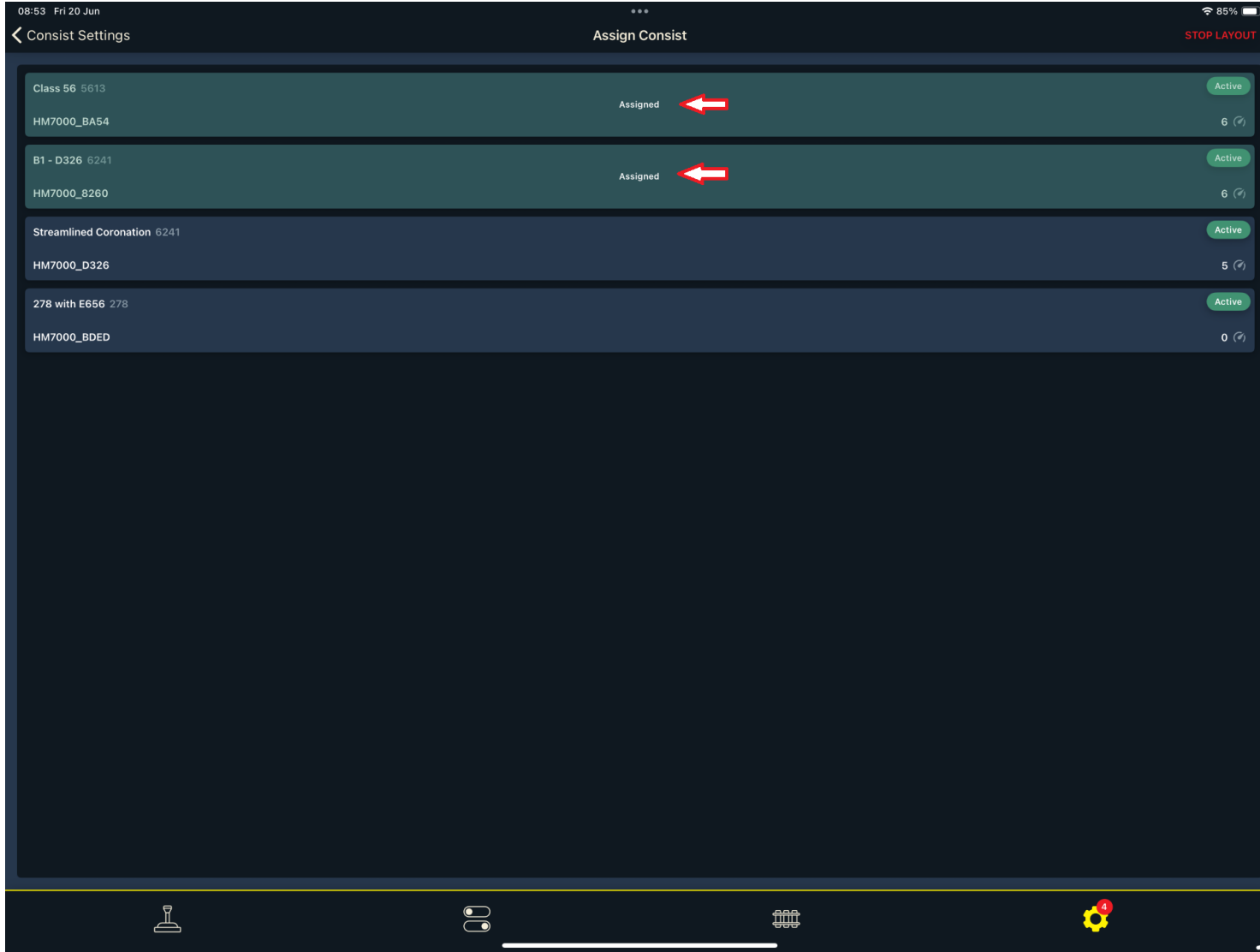


2. Select this consist and click Assign Now to allocate locos to it.

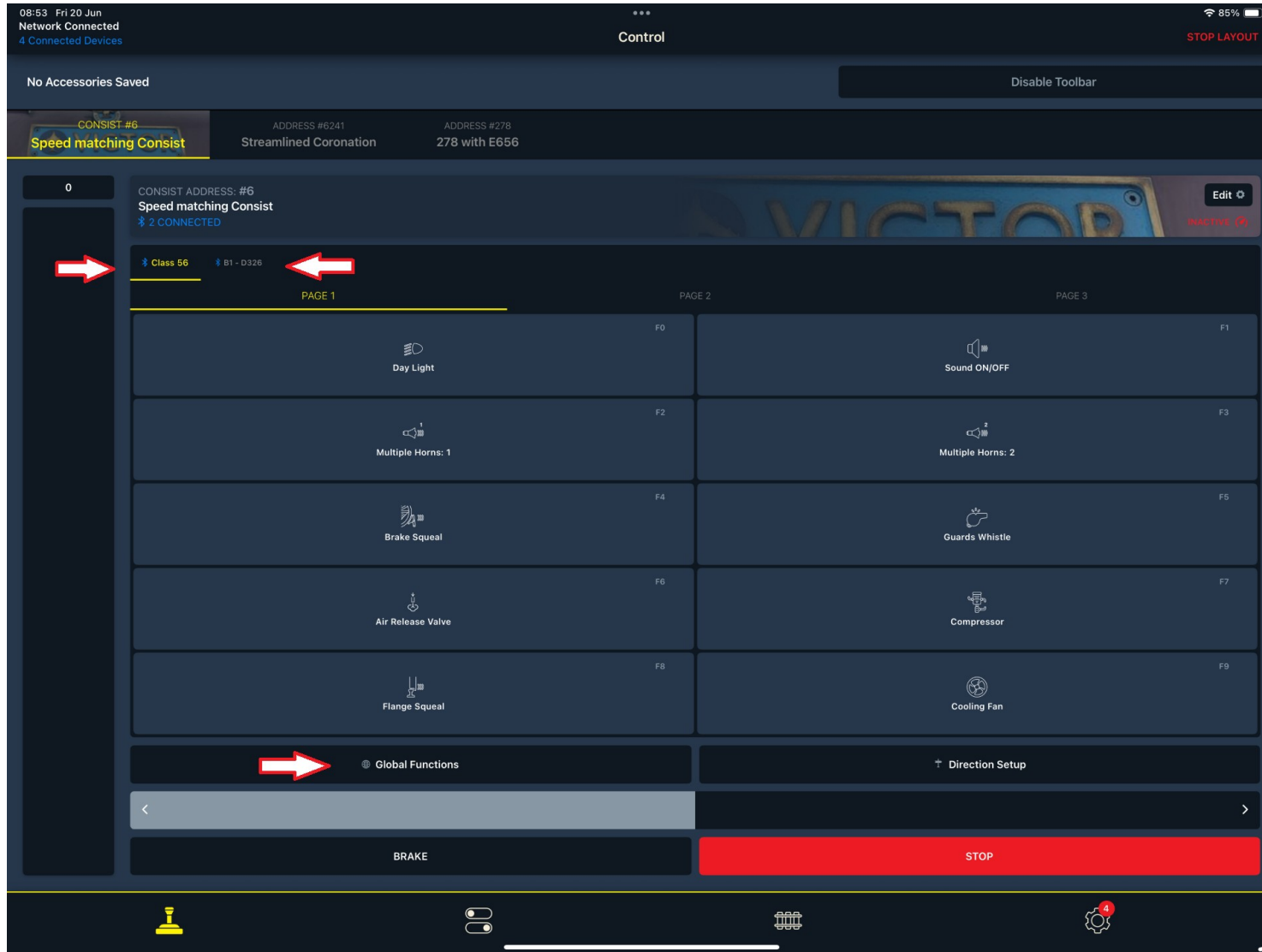
Note - the consist address is generated automatically using the next available free address in the range 1 to 127. This is stored in CV19.



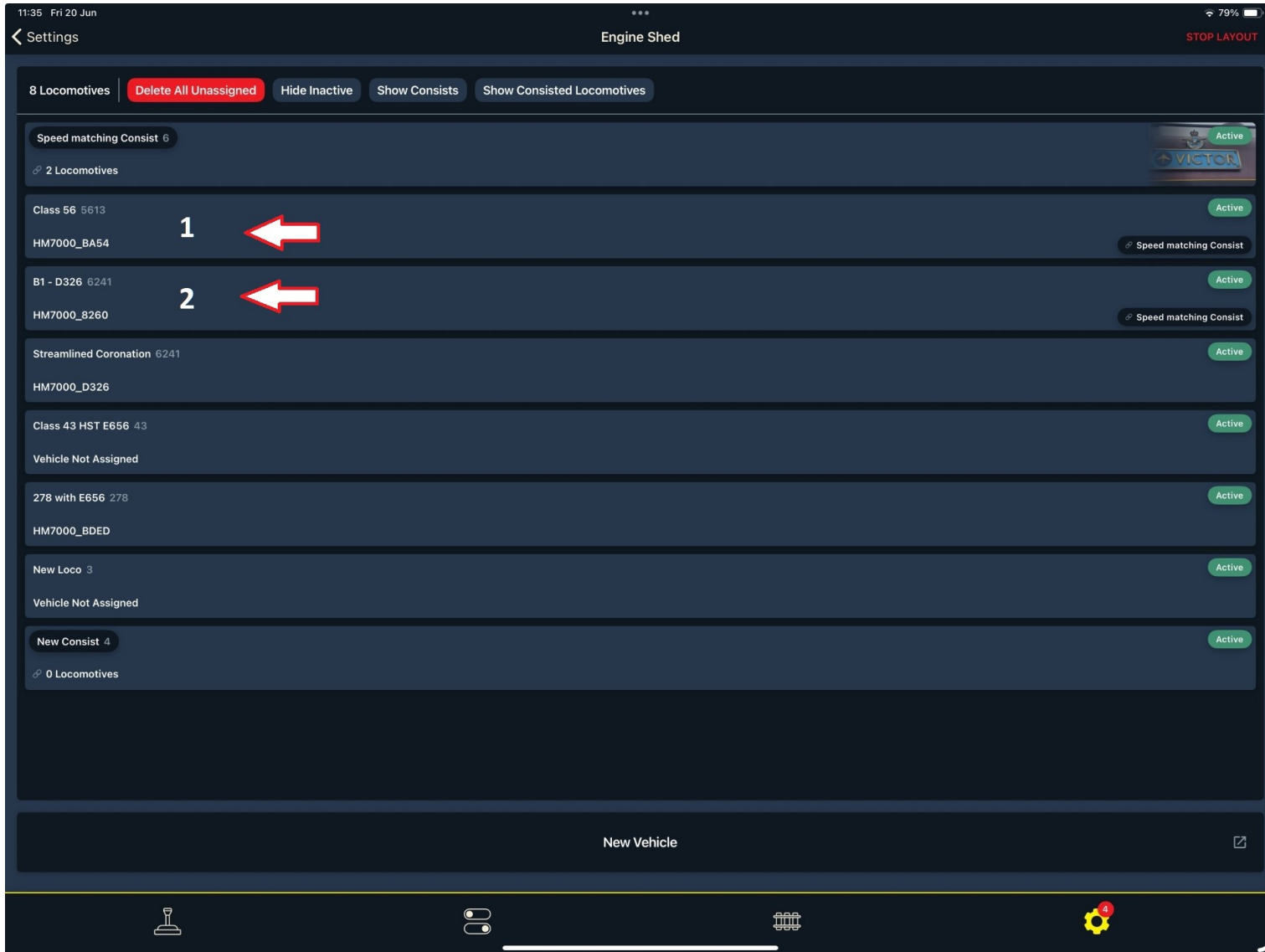
3. Select the locos from the Engine Shed listing presented and they will show as Assigned.



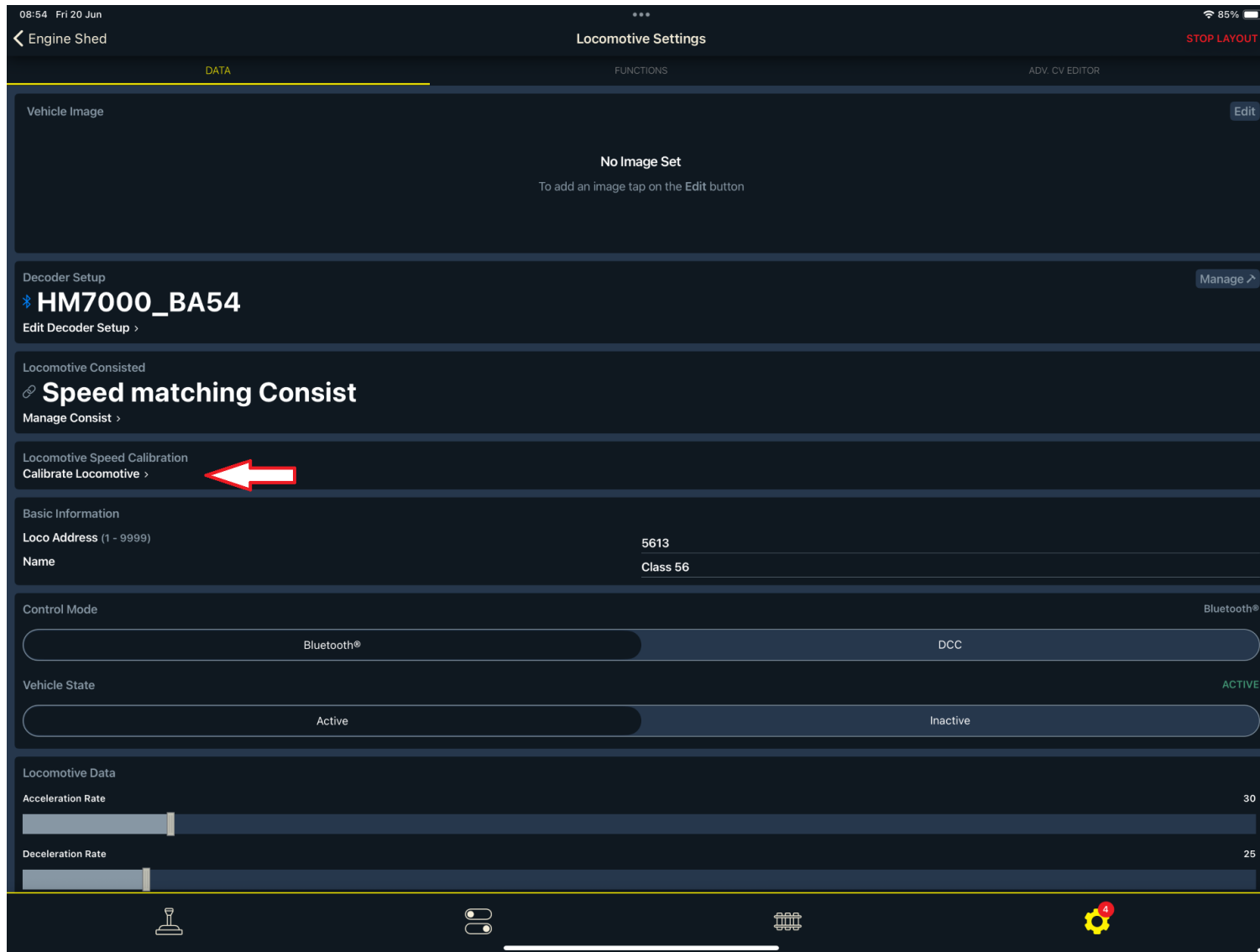
4. In the Control Screen select the consist from the control ribbon and see the assigned locos and their individual functions. Generate or Import Global Functions as required.



5. Go to the Engine Shed and select the first consisted loco. We shall return later to repeat the procedure with the second and any subsequent locos.



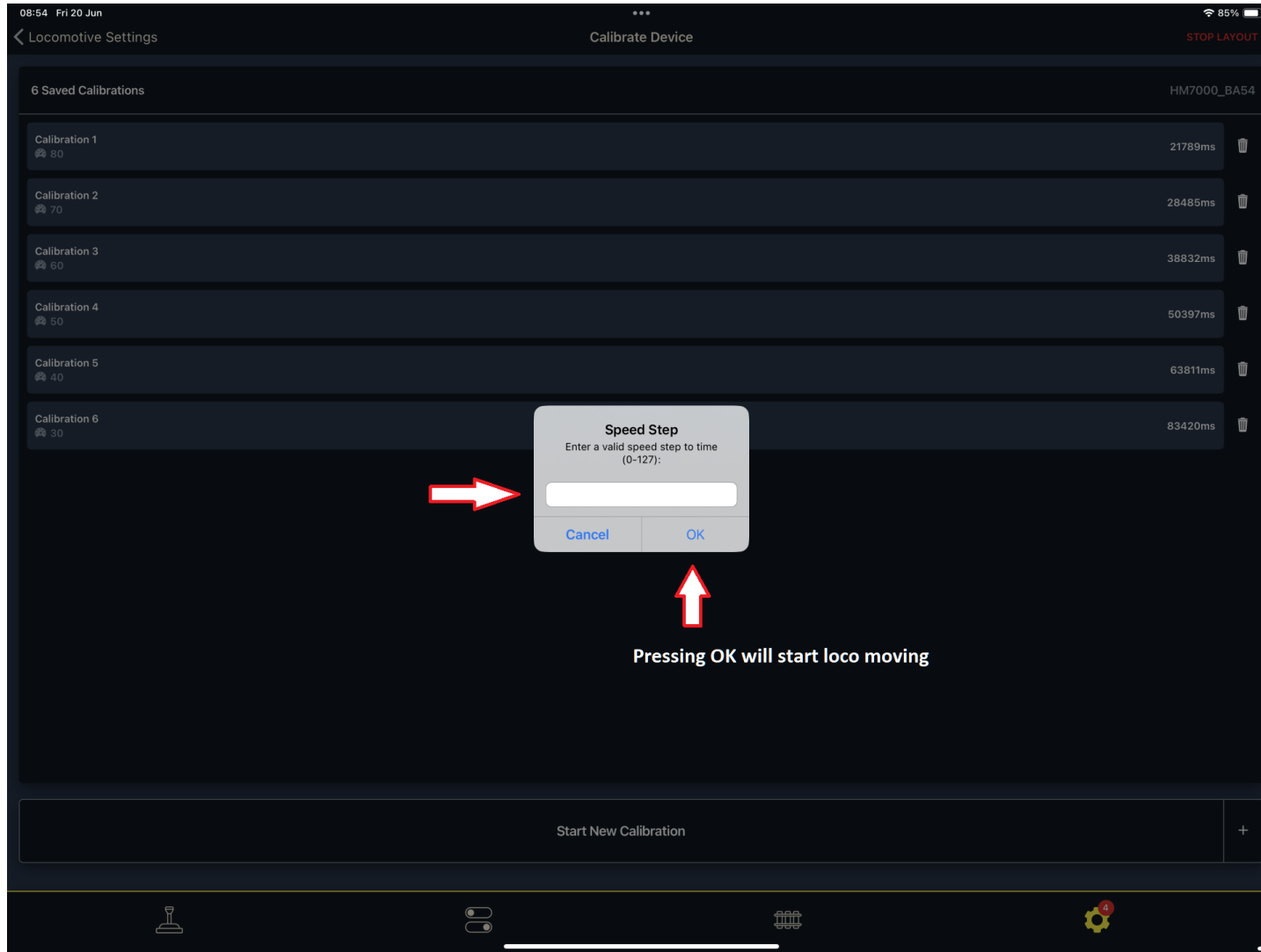
6. In that Loco Settings screen select Calibrate Loco.



7. Mark a length of track on your layout to use as your calibration distance. Longer is better, but you must use the same distance for each calibration. You must be able to run your loco through the section in order to start and stop the calibration timer – see later. Select Start New Calibration from the bar at the bottom of screen.



8. A pop up will ask for the speed steps you wish to calibrate. Use a range of speeds suitable for your layout. I used 30 to 80 in steps of 10. The loco will start to move after you enter the speed step and press OK.



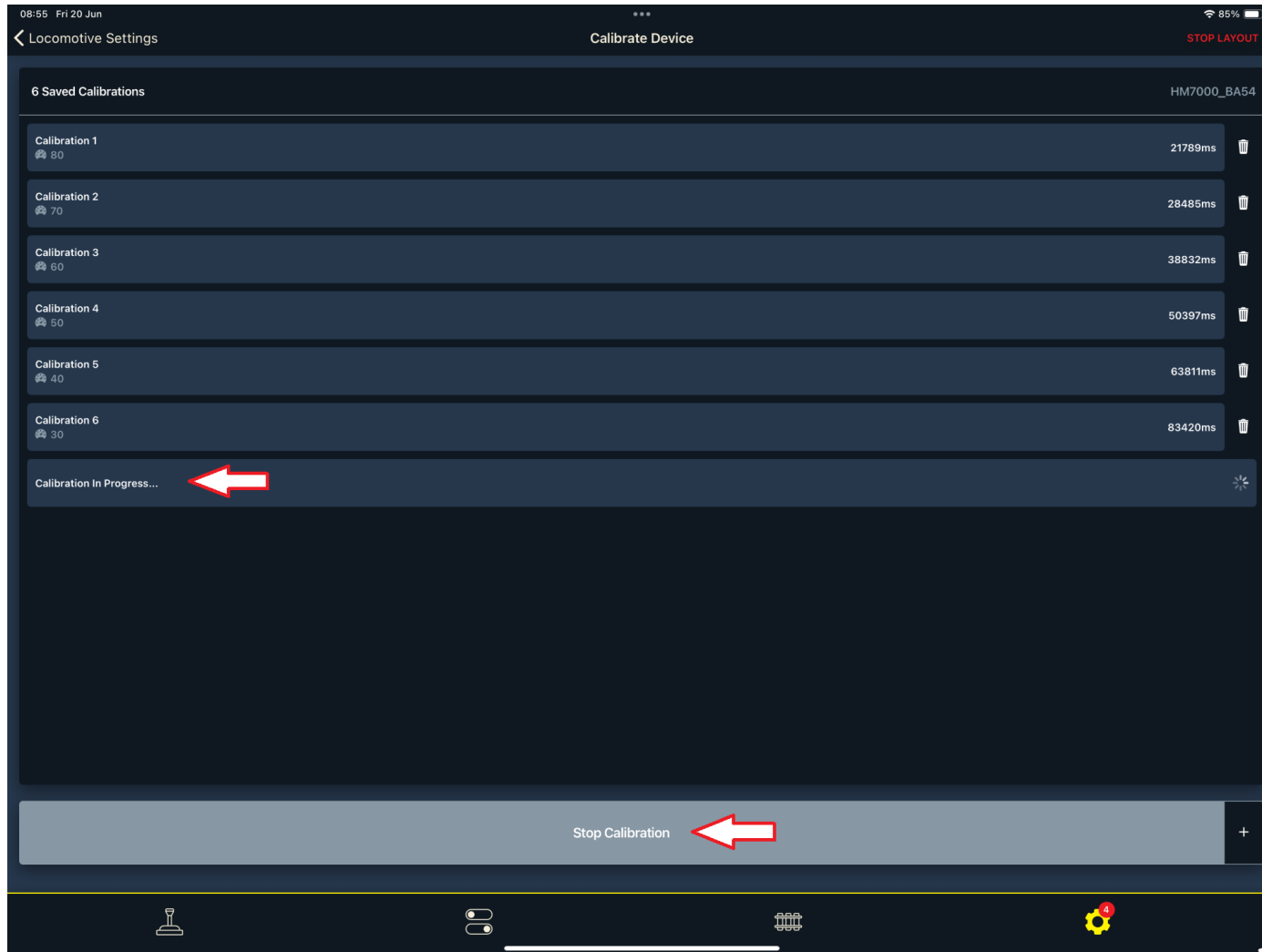
9. As it passes the start marker on your track select Start Timer.



10. The calibration will begin and then as it passes the end marker on track select Stop Calibration.

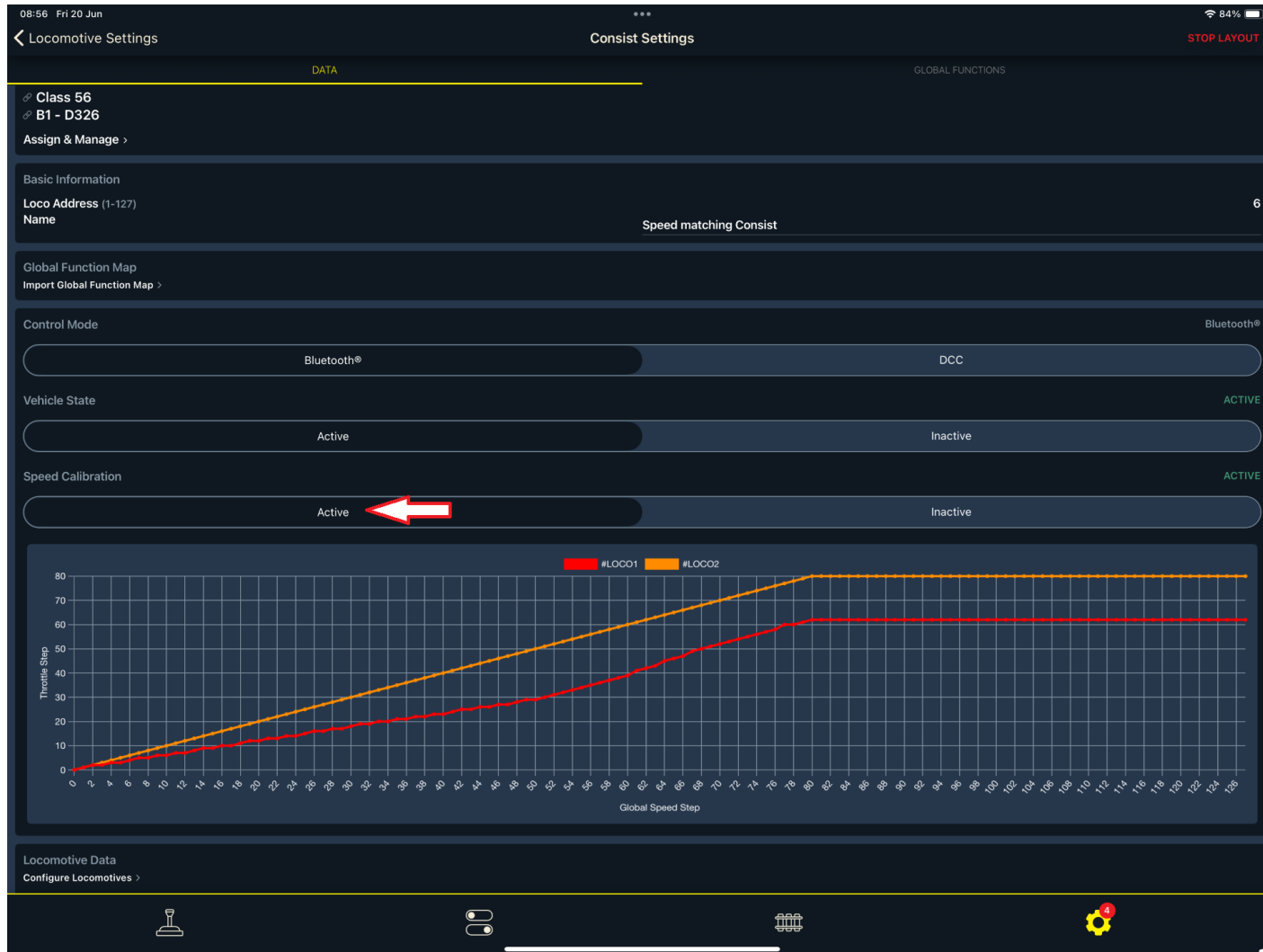
Repeat the calibration procedure for each speed step range you need over the same distance until you achieve a full list of calibrations for this loco.

Then go back to the Engine Shed, select the second loco and repeat the whole calibration procedure again for that one.



11. Go to the Engine Shed and select the Consist. Note that now the Speed Calibration is active. Click the Active button and a graph will open to illustrate the effect of the calibration.

Loco 1 is set as a datum and loco 2 modified to match. The graph is not user interactive so you cannot tweak the matching here.



12. When operating a consist both locos will now run at the same speed. My Class 56 was much faster individually than the B1 for the same speed step, but calibration has brought them to a match.