

# THE TORNADO TELEGRAPH



60163 TORNADO  
New Steam for the Main Line



Welcome to the latest issue of *The Tornado Telegraph* with an update on the overhaul.

*Tornado's* scheduled overhaul was planned for completion in June. Unfortunately, as you will have read in previous editions of *TTT*, due to the impact of covid-19 on industry and manufacturing in Germany, *Tornado's* boiler has been significantly delayed and will now arrive in the UK in the second

half of July. There has also been a delay due to congestion at the works fitting the new driving wheel tyres to *Tornado*, in addition to which the crank axle wheels have required some minor remedial works before the new tyres are fitted. The wheels should then be delivered to us mid-July.

With all the components returned to us the locomotive then takes a number of weeks to reassemble. This will be followed by painting, testing and certification which is currently forecast such that *Tornado* would not be ready to haul the Aberdonian trains in at least July and August. It is with regret that we are cancelling these tours.

The delays to *Tornado* returning from overhaul are a key factor, but the situation is further complicated by the ongoing dispute involving the RMT. At present there is no end in sight for this industrial action which could have a significant impact on the ability to run the tours. Due to the unpredictability of the current situation, and the high possibility of the strikes continuing into July and beyond, our operators have shared concerns on running the tours as there is no guarantee that the network will be able to run effectively. We are therefore unable to run the tour with an alternative locomotive.

We understand that this will be a significant disappointment, one that's shared by us all, but it is the only decision available to us at this time. We are planning to run 'The Aberdonian' tours in September, and will update you on these in July.

The extended timescale and scope of the overhaul, plus the loss of intended earnings this summer, mean that we are all the more appreciative of our supporters. In light of this, if you would like to make a further contribution to *Tornado*, please see [a1steam.com/tornado](http://a1steam.com/tornado) to make a donation, sign up as a Covenantor or join The Overhaul Club.

[Make a One-off Donation](#)

[Join The Overhaul Club](#)

**OVERHAUL UPDATE FROM LOUGHBOROUGH**

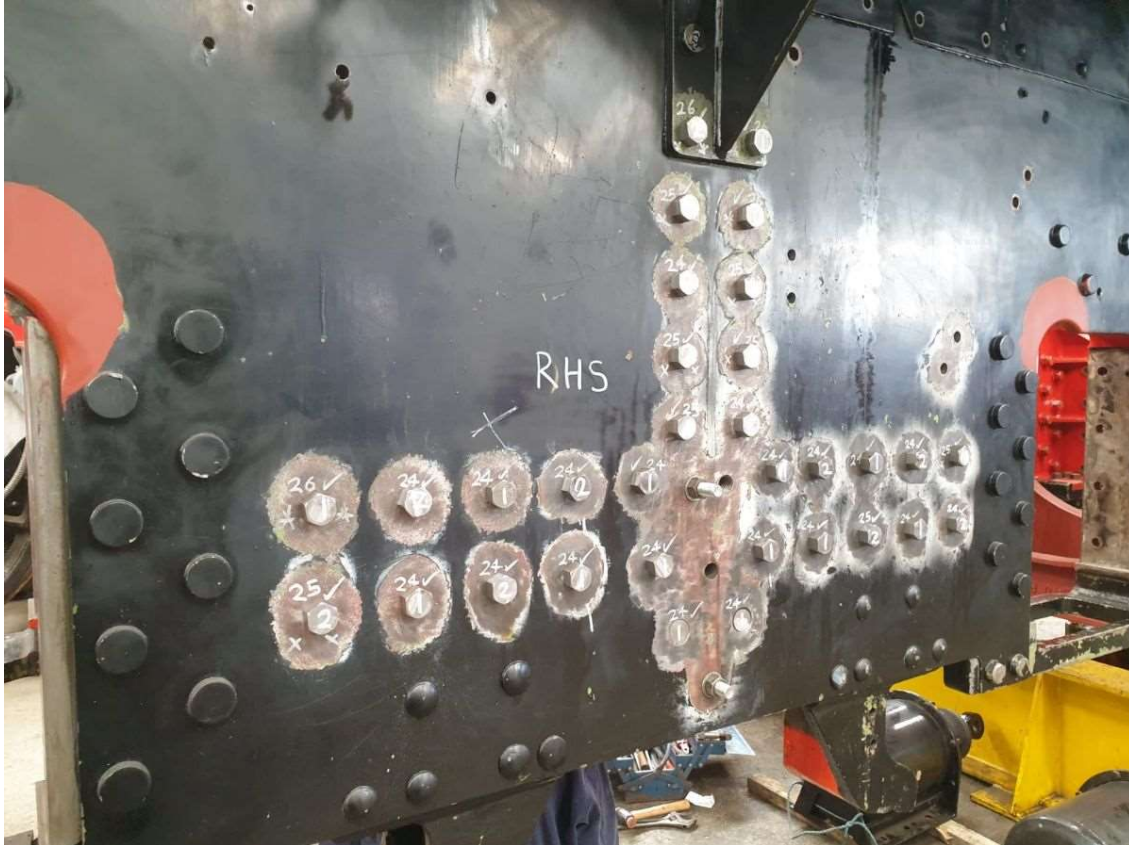


New stainless steel conduit has been fitted to the tender frames and the new electrical cabling is imminent. New stainless steel junction boxes have also been fitted to the tender frames in anticipation of electrics modification due to the ETCS (European Train Control System) works. The copper air pipework has been annealed, cleaned, checked and refitted.

The ETCS enclosure as designed by SNC Lavalin for Network Rail is now complete, and the tender is being reassembled. The left hand side of the tender tank has been flatted back in preparation for paint, and the rear face of the tender already has its first coat of Apple Green.

Following a materials shortage, the bolts have now made and fitted to the brake stretcher which is now fully refitted into the main frames and in the process of being painted.





## OVERHAUL UPDATE FROM DARLINGTON



In Darlington, our team have continued working on various components. The above image shows the superheater header prepared for a pressure test. The various steam outlets are blanked off before it is filled with water. Rubber gaskets are used on pipe flanges and rubber balls on the element seat. The coloured balls can be seen sandwiched between the seats and the compression plate.



In other work, painting of the boiler cladding is well underway, with green, blue and red undercoats and primer causing much amusement. However, we can assure you that Apple Green is the next livery! This is in preparation for the delivery of the boiler, so that it can be clad before lowering onto the frames to ensure a quick turn around.



## THE OVERHAUL CLUB

As you have read above, the overhaul is now well under way but the team has faced bigger obstacles than initially anticipated. This intensive period of activity will see the *Tornado* return to the rails later this year in top condition ready for work on both heritage railways and the main line.

Your contributions are more important than ever in the light of changes to the scope of work on the boiler, and other challenges delaying the locomotive earning money on trans this Summer. If you have not yet signed up but would like to make a donation towards the overhaul, please find out more [here](#).

The Overhaul Club







Members of The Overhaul Club visited *Tornado* in Loughborough on Saturday 21<sup>st</sup> May, along with engineers from the Royal Navy. Trustees Huw Parker and Ben McDonald, along with LMS Director David Wright, walked the visitors through all aspects of the overhaul at LMS before adjourning to the Great Central Railway for a return trip and further discussion!



# WE COULDN'T DO IT WITHOUT YOU

We couldn't do any of this without you, and remain hugely grateful for each and every contribution to *Tornado*. Your support as Covenantors, Donors and Volunteers remains vital as we navigate the overhaul, and mean all the more at this time.

Here are some of the ways people choose to support us:

**DONATIONS** - We continue to encourage donations of all shapes and sizes (every pound counts).

To make a donation, please click [here](#).

**COVENANTORS** - We always welcome new Covenantors as we have overhauls, maintenance and repairs to fund. The Covenantors are the backbone of all we do at The A1 Steam Locomotive Trust. To become a Covenantor for the price of a pint a week, learn more [here](#).

**JOIN THE CLUB** - Help us to fund the engineering maintenance on *Tornado* this Spring by joining The Overhaul Club. Find out more [here](#).

**VOLUNTEERS** - Do you have skills that could help the Trust? We can always use extra pairs of hands. If you enjoy meeting people, please consider joining our merchandising team at events and on tours. If your talents involve engineering, locomotive cleaning, or administrative work, we can always find something for you to do! Contact [volunteer@a1steam.com](mailto:volunteer@a1steam.com) for more details.

**LEGACY PROGRAMME** - Help us to continue our work long into the future. Learn more about how to leave a gift to *Tornado* [here](#).

Alternatively, if you would like to speak with someone directly, please contact the office on [01325460163](tel:01325460163) or email your details to [enquiries@a1steam.com](mailto:enquiries@a1steam.com) and someone will get back to you.

*Copyright © 2022 The A1 Steam Locomotive Trust, All rights reserved.*

**Our mailing address is:**

The A1 Steam Locomotive Trust, Darlington Locomotive Works, Hopetown Lane, Darlington. DL3 6RQ  
Tel. 01325 460163

[unsubscribe from this list](#) [update subscription preferences](#)