



**And now for something completely different...**

The Gresley class P2 2-8-2 'Mikados' were the most powerful express passenger steam locomotives to operate in the UK. They were designed by Sir Nigel Gresley to haul 600 ton trains on the arduous Edinburgh to Aberdeen route. Sadly the design was never fully developed and they were rebuilt by his successor into ungainly 4-6-2s in 1943/4.

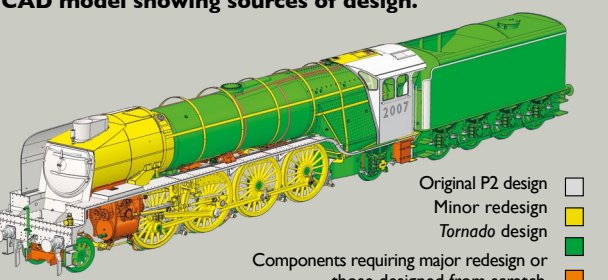
We therefore decided to set ourselves a new challenge: to develop, build and operate an improved Gresley class P2 'Mikado' steam locomotive for main line and preserved railway use.

We estimate that No. 2007 *Prince of Wales* will cost around £6m to build over a 15 year period. As was the case with the construction of No. 60163 *Tornado*, funds are being raised through regular monthly donations (a P2 for the price of a pint of beer a week), donations dedicated to specific components, fundraising clubs focused on specific areas of work (boiler, tender, pony truck, turbo-gen, etc) and commercial sponsorship. We have the expertise, the track record and a plan... But this can't happen without you. Thanks to our existing supporters' continued generosity, over £4.5m has been raised so far.

Please visit [www.p2steam.com](http://www.p2steam.com) or email us at [enquiries@p2steam.com](mailto:enquiries@p2steam.com) for more information.



**CAD model showing sources of design.**



**BECOME A VOLUNTEER**

There are many ways in which you can help us to build No. 2007 *Prince of Wales* and keep No. 60163 *Tornado* operating on the main line. There are opportunities to help wherever you live.



Please see our websites [www.a1steam.com](http://www.a1steam.com) or contact [volunteer@a1steam.com](mailto:volunteer@a1steam.com) for more information.

**Darlington Locomotive Works**

In 2023 we moved into a purpose built new workshop in Hopetown, the Darlington Railway Heritage Quarter. The Works is open to the public on the first and third Saturday of the month from 10:00hrs until 15:00hrs. This is a wonderful opportunity to view the latest progress on No. 2007 *Prince of Wales*, view the roll of honour listing our donors, and meet with our team of volunteers. Special arrangements can be made for parties from interested clubs and societies.



Our grateful thanks go to Darlington Borough Council for their continued support of The A1 Steam Locomotive Trust and Darlington Locomotive Works.



The Tornado Team... for *Tornado* fans aged 5 – 15. Set up specifically for younger *Tornado* supporters, this group is vital to the future success of the locomotive.

The Trust is conscious that the care of *Tornado* will ultimately be the responsibility of today's younger generation and by fostering a genuine care for and understanding of the locomotive in a group of young people, we hope they will one day take on that responsibility. At £25.00 for a year's membership, this would make an ideal Christmas or birthday present, or mark another special occasion for a young *Tornado* fan.

Visit the Tornado Team page on our website for further details or email [tornadoteam@a1steam.com](mailto:tornadoteam@a1steam.com).

**How to get on board with Tornado**



**Britain's 100mph main line steam locomotive**



**60163 TORNADO**  
New Steam for the Main Line

**Did you know that Tornado is the first new main line steam locomotive to be built in Britain for almost 50 years?**

Follow us on  
Visit: [www.a1steam.com](http://www.a1steam.com)

The last of the renowned Peppercorn class A1 steam locomotives was, tragically, scrapped in 1966. But, a brand new class A1, No. 60163 *Tornado*, was brought to life by a dedicated team of volunteers. And now we need your help to keep *Tornado* on the main line.

The Peppercorn class A1s were the last of the great express passenger locomotives designed by the London & North Eastern Railway. British Railways built 49 of them at its Doncaster and Darlington works in 1948/9. Throughout the 1950s the majestic A1s pulled luxury Pullman trains from London to Yorkshire and the North East. They were the last word in speed, style and glamour – but none escaped the scrap man's torch.

The A1 Steam Locomotive Trust – a registered charity – has built a completely new A1 to the original design and with

the help of the latest technology. The project to build a new Peppercorn class A1 was launched in 1990 and after 18 years of planning, construction and fundraising the £3 million locomotive was completed in August 2008, at the Trust's workshop in Darlington. Fitted with additional water capacity and the latest railway safety electronics, the locomotive is fully equipped for today's main line railway. Following tests and trials on the Great Central Railway and the Network Rail main line, *Tornado* hauled her first main line passenger train in January 2009.

The locomotive was officially named *Tornado* by TRH The Prince of Wales and The Duchess of Cornwall at York station in February 2009. *Tornado* subsequently starred in an episode of *Top Gear*, watched by over seven million people when first shown in June 2009, racing a Jaguar XK120 car and Vincent Black Shadow motorcycle from London to Edinburgh, with presenter Jeremy Clarkson on the footplate.

Frequently headlined in the press and on TV, *Tornado* was the subject of the 2008 BBC documentary *Absolutely Chuffed* and received wall-to-wall publicity world-wide for the 'I ♥ S&C' Plandamp-style trains to mark the reopening of the Settle & Carlisle Railway in February 2017 and 100mph test run on the East Coast Main Line in April 2017. *Tornado* also starred in the PADDINGTON 2 movie released in November 2017.

In June 2019, the Trust announced that it had placed a £1m order with DB Meiningen (DBM) for two new Diagram 118 boilers for its two new steam locomotives. The order is to supply the boiler for new Gresley class P2 No. 2007 *Prince of Wales* and a 'spare' boiler for use on both No. 2007 and No. 60163 *Tornado*. This order will enable the Trust to rotate the three identical boilers over its two locomotives, with two operational boilers and one 'spare' undergoing overhaul at any one time.

The new boilers will be similar to that which was built for *Tornado* in 2005/6, being a fully welded design with a steel firebox, and will incorporate a number of minor modifications that have been applied to *Tornado's* boiler since it was constructed. By ordering both boilers at once, the Trust has saved a six-figure sum that would have otherwise been required if the boilers had been procured separately. The first new boiler will be fitted to No. 60163 *Tornado* during its next overhaul.

Since completion in 2008, No. 60163 *Tornado* has steamed over 100,000 miles on the Network Rail main line and heritage railways the length and breadth of Great Britain on stamping grounds familiar to class A1s and many routes that the original A1s never graced. Following her unveiling in works grey, *Tornado* has worn all of the historic Peppercorn class A1 liveries – apple green, BR locomotive green (with emblem and crest) and BR blue – and has recently been returned to apple green following an engineering overhaul. *Tornado* continues to haul main line steam excursions and visit heritage railways throughout Great Britain.

Funds to build *Tornado* were raised through Deeds of Covenant, commercial sponsorship (principal sponsor William Cook Cast Products Limited), commercial loans and through a bond issue. The Trust is still seeking to raise funds to ensure *Tornado's* future on the main line and pay for future overhauls – the last one cost approximately £1million.

According to *The Times*, *Tornado* is, "a hit across the length and breadth of Britain". However, for this to continue we still need your help – and you can come on board for the price of a pint!

That was our concept when we launched the project in 1990. Supporters could covenant (donate) just the monthly equivalent of the price of a pint of beer per week. Beer cost £1.25 a pint in the North East then – today it is over £2.50!

Much of the locomotive as you see her today has been funded by this means – a large number of people contributing a small amount on a regular basis. Although Deeds of Covenant have now been replaced by Gift Aid, the Trust is still able to claim back from the Inland Revenue the income/capital gains tax that you have paid on your donations. For every £10.00 that you donate, the Trust could claim an additional £2.50, making your contribution worth £12.50.

By becoming a regular donor you can play your part in making history – it's that simple. We hope you're able to help us to keep *Tornado* on the main line. Many thanks!

For details of how to help or where to travel behind *Tornado* visit [www.a1steam.com](http://www.a1steam.com), email [enquiries@a1steam.com](mailto:enquiries@a1steam.com), or call 01325 460163.



Charles Graham



Martin Birchall



Below: Crowds greet *Tornado* at Appleby on the Settle & Carlisle railway - Jack Boskett

Above: Larger than life Jeremy Clarkson rode *Tornado's* footplate on BBC *Top Gear's* 'Race to the North'. Nick Wood

Above centre: Paddington with our support crew. Alex Marton

Above left: TRH The Prince of Wales and The Duchess of Cornwall officially name *Tornado* at York station on 19<sup>th</sup> February 2009. Neil Whitaker



**Please get on-board and help us to keep Tornado on the main line:**

**Regular Donations (Covenants)**

Become an A1 Covenantor for the price of a pint of beer a week – regular donor – for No. 60163 *Tornado* from only £2.50 a week. In recognition of your support, you will receive:

- A special print of No. 60163 *Tornado* by Jonathan Clay
- Access to view *Tornado* at all reasonable times
- The Trust's newsletters on a regular basis
- Annual Covenantor Card
- The opportunity to attend the Trust's Annual Convention
- Special supporters' day with *Tornado*
- The opportunity to buy exclusive merchandise only available to Covenantors
- Your name inscribed on the Roll of Honour at Darlington Locomotive Works.

**Legacy Giving**

For more information, please contact our Legacy Coordinator by emailing [legacy.coordinator@a1steam.com](mailto:legacy.coordinator@a1steam.com) or calling 01325 460163.



Peter Bodlaender

Visit our online store at [www.a1steam.com/shop](http://www.a1steam.com/shop)



Cover photo: Charlotte Graham

**21<sup>st</sup> CENTURY STEAM**



Laura Brown

**Travel on one of Tornado's main line railtours**

The A1 Steam Locomotive Trust organises railtours hauled by No. 60163 *Tornado* that cover the length and breadth of the national railway network. Our railtours have a broad range of starting and pick up points, traverse some of Britain's most iconic and scenic railway lines and go to many of the UK's most historic cities and places of interest.

Our trains are formed of heritage Mk1 carriages, which provide a nostalgic journey back in time where passengers can enjoy beautiful scenery as plumes of steam drift past the windows and the locomotive's distinctive chime whistle can be heard.



Mandy Grant

For more information how you can travel with No. 60163 *Tornado*, please visit [www.21stcenturysteam.co.uk](http://www.21stcenturysteam.co.uk) call 01325 488215 or email [enquires@21stcenturysteam.co.uk](mailto:enquires@21stcenturysteam.co.uk)

**Yes!** I would like to help keep *Tornado* on the main line

The easiest way to sign up is on our website at [a1steam.com/donation](http://a1steam.com/donation) (or scan QR code) Alternatively, please complete the form below and return to:



The A1 Steam Locomotive Trust  
Darlington Locomotive Works, 9 Bonomi Way,  
Darlington, DL3 0PY.

**AMOUNT YOU WOULD LIKE TO DONATE**  
PLEASE COMPLETE IN BLOCK CAPITAL

£ ..... per month (minimum £10.00)

Name .....

Address .....

Postcode .....

E-mail .....

Telephone .....

To set up a Standing Order, please complete the following:

Bank / Address .....

Postcode .....

Dear Sir/ Madam

Please pay monthly on the 10<sup>th</sup> of each month, the sum of £ ....., commencing with the first payment on the 10<sup>th</sup> of (month) ....., 202.., to the Yorkshire Bank Plc, Sort Code 05-09-36, for the credit of 'The A1 Steam Locomotive Trust' (a/c 19525055) and charge my account no. .... and sort code .....

This order is in addition to any existing order that is in favour of 'The A1 Steam Locomotive Trust'.

Yours faithfully,

Signature: ..... Date .....

**giftaid it**

For every £1 you donate, a1SLT can reclaim 25p from HMRC - you just need to tick the box below.

Yes: I want the A1 Steam Locomotive Trust (Charity No 1022834) to reclaim tax on all my donations I make on or after this declaration until I notify them otherwise. I confirm I am a UK taxpayer and understand that if I pay less tax than the amount of gift aid claimed, I am responsible for the difference.

P2021/004