

LB & SCR 0-6-0 A1 class 'Terrier'
OO Gauge Model

Owner's manual

dapol

Authentic Scale Model

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Features of the model:

- 1) Compensation (Sprung center driving wheels)
- 2) Articulated connecting rods
- 3) Die-cast chassis, footplate and con-rods
- 4) Metal drive tyres
- 5) Simulated motion detail
- 6) Next-18 DCC socket (sound ready)
- 7) Factory fitted speaker
- 8) Firebox flicker
- 9) Highly detailed body with many type variations

Thank you for purchasing this Dapol model

Section A: All versions and quick start.

This section is applicable to all versions including those with factory fitted DCC and DCC sound.

Quick start: *We know you would like to have your model running as quickly as possible; please spare a moment to read this section first.*

- There is no accessory pack included with this model.

Icons used in this booklet:



Information: Hints and tips



Caution: Take care when performing this step



Warning: A risk of damage may exist



To install a DCC decoder refer to section A-4.

- The DCC ready version is shipped ready to run using DC or to accept an (optional) DCC decoder.
- Factory fitted DCC, Ref. Section B (Page 5)
- DCC decoder fitting instructions are in paragraph 4.

- 1. Running in / First use:** No special running in or initial lubrication is required; our 'new generation' locomotives have been designed with care to offer many years of service with minimal maintenance.



Before operating your model, it is first run in both directions, at a low speed whilst checking for correct operation. This can be performed in either DC (or DCC after fitting a decoder – see section A-4)

- 2. Coupling:** The model is provided with standard 'Hook & loop' types. These are fitted to an NEM pocket enabling any NEM compatible coupling to be fitted.

- 3. Removing the body:** (Please see paragraph 4, page 2 for DCC fitting instructions).

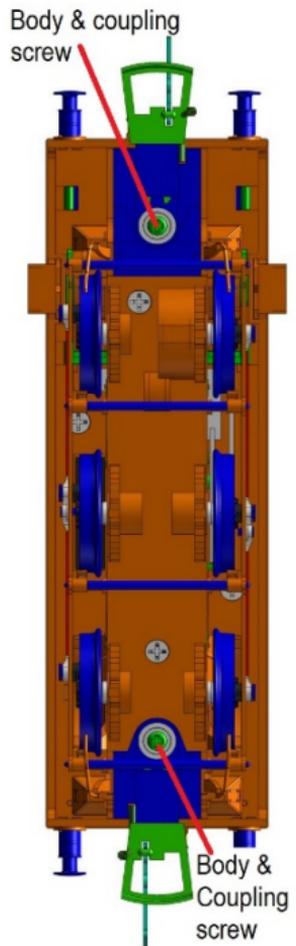
⚠ Caution: When placing the body on a flat surface take care not to damage the steps

- Using a small Philips screwdriver, remove both coupling pocket retaining screws and remove the couplings and washers. (*There is no need to remove the two, keeper plate retaining screws.*)
- The body is now free. Carefully lift the chassis evenly away from the body, gripping the area of the centre wheel. If it appears to 'catch' gently rock front to back whilst gently pulling.
- Replacement of the body:
Reverse the procedure described in 3a-3c. Ensure all PCBs are mounted snugly.

⚠ Caution: Ensure no wires are trapped or PCBs have moved out of place during re-assembly.

- 4. Fitting a DCC decoder:** A next-18 decoder with a minimum of 2 functions is required. (4 or 6 function decoders may also be used). Regardless of type, fitting is the same. To a fit sound decoder, refer to paragraph 5.

- Remove the body (paragraph 3).
- Remove DC blanking plate.
- Insert decoder, aligning the decoder plug with the on-board socket.



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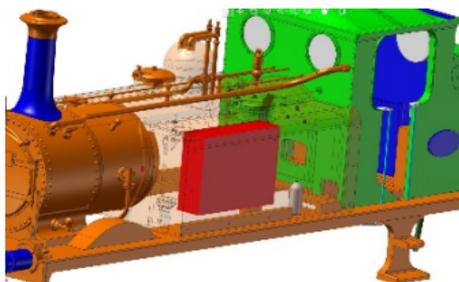
5. Fitting a DCC Sound decoder:

The model has been factory fitted with a 'sugar cube' type speaker. The speaker is pre-wired to the decoder socket, so it is only necessary to remove the blanking plate and install a NEXT-18 sound decoder of your choice.

- Remove the body (Paragraph 3).
- Fit the sound decoder after removing the decoder blanking plate.

 **Take care** to align the decoder with the socket. Do not force. If in doubt, stop and re-check alignment.

- When refitting the body, carefully coil & route the speaker wires so they will not be crushed by the body and ensure that PCBs are mounted snugly to avoid being trapped.



- Maintenance:** We have designed the model using components requiring little maintenance, however we suggest that after every 100 hours running a lubrication service is performed using a light synthetic lubricating oil such as Dapol or Locolube™.

 **Warning:** Mineral oil types or thicker oils may damage your locomotive paint finish or components and invalidate your warranty.

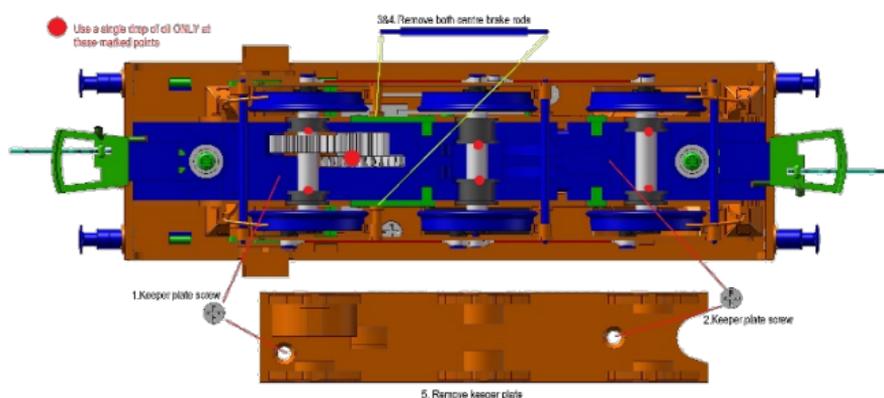
- When applying lubrication, remove the keeper plate, which is held by 2 screws indicated below.
- The centre two brake rods will need to be removed by carefully easing the brake gear outwards.

- Only 1 or 2 drops are required on the gear-train, this will migrate through the gear train during operation.



Caution: Do not over oil. Over oiling may damage paint finishes and/or cause build-up of dust.

- Similarly, only 1 small drop of oil on the bearings.
- Remove any surplus or spilt oil immediately using a lint free cloth.



- Regularly check your model for build-up of dust or loose scenic materials around moving parts.
8. **Spare parts:** Refer to Section C, pages 8 to 11 for exploded views and parts list.
 9. **Warranty:** Details can be found in Section D. Page 12.

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Section B: Factory fitted DCC:

 **DCC address:** is factory set to address 3.
The decoder fitted is a Dapol Imperium Next-18

Function key summary:

F1 Fire Box Flicker On/Off

Decoder Reset: Setting CV 8 to a value of 8 will reset the CV to default settings.

 **The decoder in your model has been factory programmed to operate in a prototypical fashion. A decoder reset will NOT delete these settings.**

Section C: Factory fitted DCC sound:

- Dapol's factory fitted sound was recorded on Terrier No. 32678 as preserved on the Kent and East Sussex Railway. It contains both manual and automatic sounds.



DCC address: is factory set to address 3.
The decoder fitted is a Zimo **MX659N18**

Function key summary (Manual sounds):

F1 Sound fade in/out: Useful when loco is going 'on or off scene' or into / out of a tunnel.

F2 Short whistle

F3 Long and short whistle

F4 Coal shovelling: The sound of the firebox door being opened, followed by the firebox flicker effect operating. During this time the sound of shovelling coal will be heard. When F4 is turned off, the shovelling will stop and the firebox door will be heard to close, as the same time as the flicker extinguishes.

F5 Injector on/off: The injector is used when topping up the water level of the boiler.

F6 Steam ejector on/off: Used for creation of a vacuum and for blastpipe draft creation.

F7 Brake application/release: When first pressed the sound of a brake application will be heard, when pressed again (turned off) the sound of the brakes being released will be heard.

F8 Flange squeal on/off

F9 Light engine mode: with F9 ON lighter chuffs will be heard and the locomotive will accelerate and decelerate more readily. CV390

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can be adjusted to change this 'inertia' effect.

A factory value of 140 is set for this.

F10 Safety valve 'blow off'

F11 Westinghouse pump On/Off: Used to create air pressure for air braked examples.

F12 Manual draincocks: Additional to the automatic draincocks. Enables the sound of steam 'blast' from the cylinder drains to be triggered.

F13 Coupling sound: Sound of chain being dropped onto the hook.

F14 Guards whistle

F15 Coach door slam

Automatic sounds:

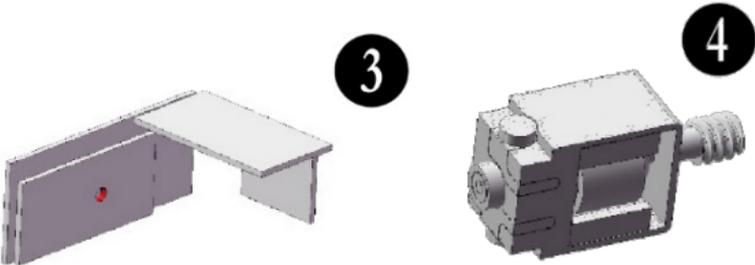
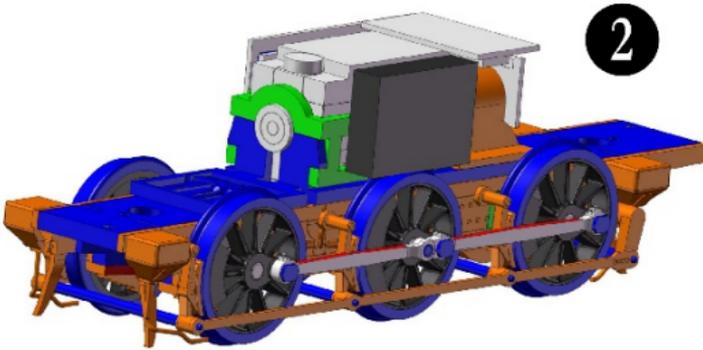
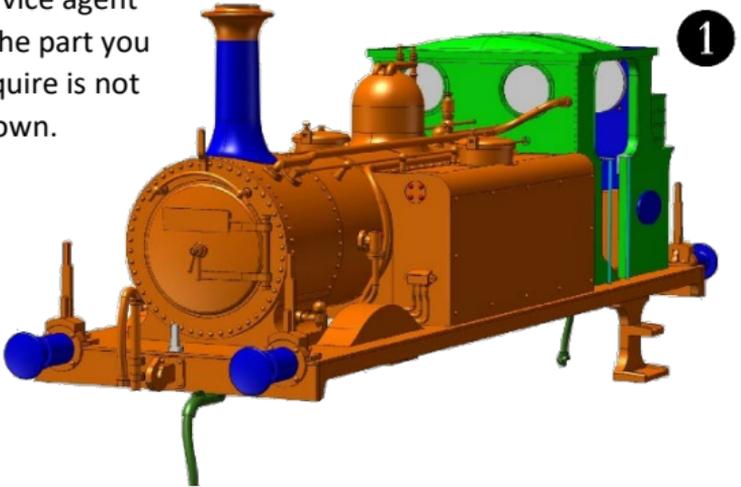
Brake squeal: This sound will be produced when the locomotive speed drops below a pre-set value, only whilst the locomotive is decelerating. The threshold value can be set using CV 287 and can be increased or decreased from the factory value of 20.

Chuff intensities: The locomotive can produce 3 intensities of exhaust 'chuff'. Heavy chuffs will be heard whilst accelerating, lighter ones when the target speed is reached. Upon deceleration, no chuffs will be heard. With F9 ON, even lighter chuffs will be produced, with more 'cut-off'.

Section D: Spare parts

Please note: There are several variations of each locomotive dependent on the locomotive 'era' and livery modelled. When ordering parts please quote the Dapol part number to ensure the correct part is supplied.

This is not an exhaustive list. Please contact our service agent if the part you require is not shown.

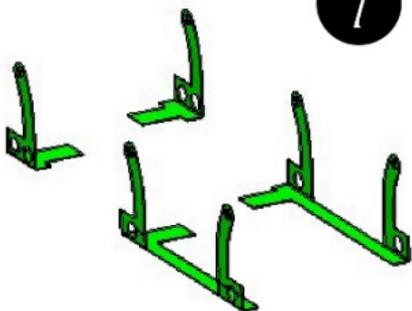




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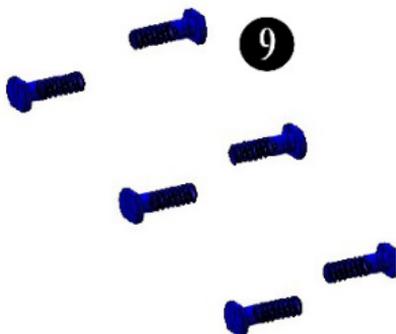
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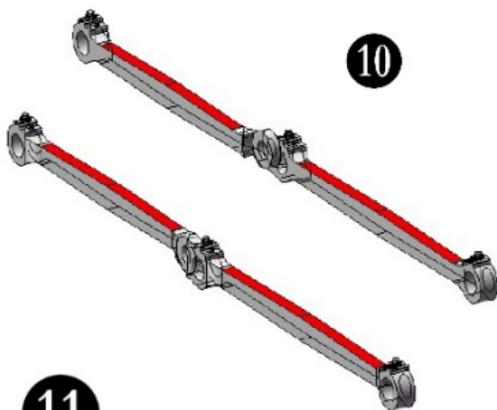
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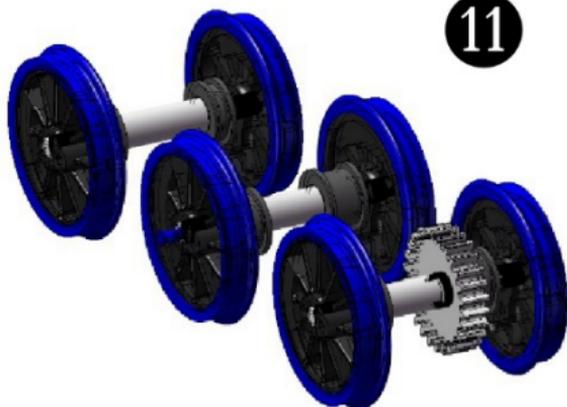
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Part	Description	Part Number
1	Decorated Body Assy. (Specify)	114588
2	Motorised Chassis Assy. (Specify)	114589
3	PCB Set	114590
4	Motor assembly	114591
5	Buffers (Pair) - Specify	114592
6	Compensation springs (pair)	114593
7	Pickups	114594
8	Main drive gear	114595
9	Con-rod bolt set (6)	114596
10	Con-rod set (1 pair)	114597
11	Wheel assembly (specify livery)	114598
12	Handrail set	114599
13	Condensing pipe set (pair)	114600
14	Tank vents (Pair)	114601
15	Tank vent blanking plates (pair)	114602
16	Tank Filler covers	114603
17	Smokebox detail set	114604
18	Valve set	114605
19	Westinghouse pump	114606
20	Safety valve set (Pair)	114607
21	Whistle and 'pipe'	114608
22	Screw & washer set	114609

When ordering parts, please ensure you quote Dapol's part number or the locomotive running number/livery as parts and colours will vary between versions.

Additional parts are available, please check dapolspares.dccsupplies.com for full list.

Section E: Manufacturer's warranty

Description: We want you to be completely satisfied with your purchase and obtain many years of pleasure from its operation. If you experience any problems with your model, we suggest that your first point of contact is your retailer; they will be able to advise on any teething problems and will use their experience to quickly solve many of your questions or concerns.

Your dealer is also the fastest way to exchange a model which is found to be missing components, accessories, or is otherwise defective after purchase.

But, we recognise that you may require more: If a replacement model is not available you may find a refund disappointing, or you may simply prefer to deal directly with Dapol. For these reasons, we offer a 12-month manufacturer's repair warranty on this product in addition to your statutory rights.



Our Manufacturer's warranty in simple terms: If your model experiences a mechanical or electrical fault within one year of purchase, other than returning to the place of purchase, we offer you have the option of a free repair at our service agents which is (within the UK) also post free.

2nd year service. An option exists to have your locomotive serviced by our authorised agent (a service fee is payable). Simply contact our agent and you will be advised of the current cost and given a freepost address. The model will be serviced and returned with a validated warranty certificate for a second year of no-quibble warranty for your model.



Please note: Year 2 warranties cannot be issued more than 13 months after the original date of purchase.



VERY IMPORTANT: Please ensure that your dealer has supplied a proper printed receipt with your purchase. Without this, our service agents are unable to offer...

(Cont....) warranty service. Repairs will be charged at the prevailing rate. Your statutory rights with the place of purchase are unaffected.

How to claim:

- Locate the proof of purchase (copies acceptable)
- Year 2 claims: Return with validated 2nd year certificate (or service fee if within 13 months of purchase).
- Contact our service agent for a Job ID number.
- Write the Job ID number on the outside of the package, and enclose your name, contact information, proof of purchase and if applicable your year 2 certificate.
- When posting, ensure that you obtain proof of posting and the model is adequately packed. If you require proof of delivery or insurance, you will need to purchase the additional service (at your cost) from your post office.

What happens next? If you have supplied an email address, receipt will be acknowledged, you will be advised when work commences and is completed. They will contact you in case of unforeseen difficulties during repair. Using your email address, you can use the online enquiry system to check the status of your model at any time via the internet.

If you have not supplied an email address, your model will be repaired and returned, you will only be contacted in case of a problem. You may of course contact our agent (quoting the job ID) at any time.

What happens when the warranty expires? Our service agent offers a comprehensive repair service at reasonable cost. Alternatively, a comprehensive range of spare parts is available for purchase.

The small print! (Terms and conditions) We intend this 'No Quibble' warranty to be a simple and fair addition to your statutory rights, however, some situations simply cannot be covered as they are outside of our control. We've listed these below.



We're reasonable folks, so if in doubt, please contact either our customer service or service agents for advice on your situation and we'll suggest the best course of action.

Terms and conditions:

1. Only Dapol model locomotives packaged with this warranty or marked with a 'W' are covered under this scheme.
2. This manufacturer's warranty is in addition to your existing statutory rights and offers a repair service for your model. Requests for outright refund or replacement should be directed to the place of purchase.
3. In the event the model cannot be repaired, at Dapol's sole option, you may be offered: a new replacement model (subject to availability), a refund voucher (for exchange at the place of purchase) or the return of the locomotive in an unrepaired condition.
4. On issuance of a replacement model or refund voucher the original model and all associated accessories shall become the property of Dapol Ltd.
5. The replacement or repair of a model shall not extend the original warranty period under any circumstance.
6. This warranty covers the model's electronics, chassis and mechanisms for manufacturing defect or premature failure. The following situations shall invalidate this warranty:
 - a. Accidental damage
 - b. Missing accessories (i.e. accessory packs) – Please return to your dealer.
 - c. Over or under oiling, incorrect oil type (use a thin synthetic oil i.e. Dapoil, LocoLube™ or similar)
 - d. Fair wear and tear (unless deemed to be premature by Dapol or our service agent)
 - e. Routine maintenance and faults due to foreign bodies i.e. Drive tyres, Dirty wheels, Pickups etc.
 - f. Mishandling: Inclusive of broken wires, dislocated driveshaft's, damaged valve gear.

- g. Mechanical or electrical modification; inclusive of fitting of DCC to a non DCC ready model. (Reasonable modifications inclusive of: Weathering, super detailing etc. are permitted, however any adverse effects of such modification shall invalidate the warranty.)
 - h. Unauthorised attempts to repair or modify the model.
7. This warranty is not transferable and is valid only for purchases made from authorised Dapol dealers when accompanied by a proof of purchase.
 8. This warranty does not cover: Used models, models purchased from private individuals or auction sites (unless a 'Buy It Now' purchase of a new model from an authorised dealer when supplied with supporting proof of purchase).
 9. Dapol and its agents shall be the sole arbiters as to the warranty status of the model and their decision is final.
 10. Whilst every effort will be made to protect such, Dapol and its agents shall not be liable for damage or alteration to any 'super detailing' or other aftermarket cosmetic, mechanical or electrical enhancements.
 11. Dapol and its agents shall not be held liable for damage caused to inadequately packaged models.
 12. Dapol and its agents shall not be held liable for models lost in the post unless a proof of posting can be supplied.
 13. All repairs will be repaired on a first in-first out basis, within a reasonable period after receipt by our agent. Unless agreed in writing by Dapol or its agent prior to receipt of the model time shall not be of the essence in any contract.
 14. All repairs and/or replacements are subject to availability

Contact information:

Dapol Customer service
Telephone: 01691 774455
Email: sales@dapol.co.uk
Website: www.dapol.co.uk

Service and Spares Centre:

DCC Supplies Ltd.
Telephone: 01905 621999
Email: dapol@dccsupplies.com
Website: dapolspares.dccsupplies.com

Notes:

Dapol Limited.

Unit 7 Gledrid Industrial Park, Chirk, Wrexham
LL14 5DG

Telephone: 01691 774455

Website: www.dapol.co.uk

Email: sales@dapol.co.uk

Spares: dapolspares.dccsupplies.com