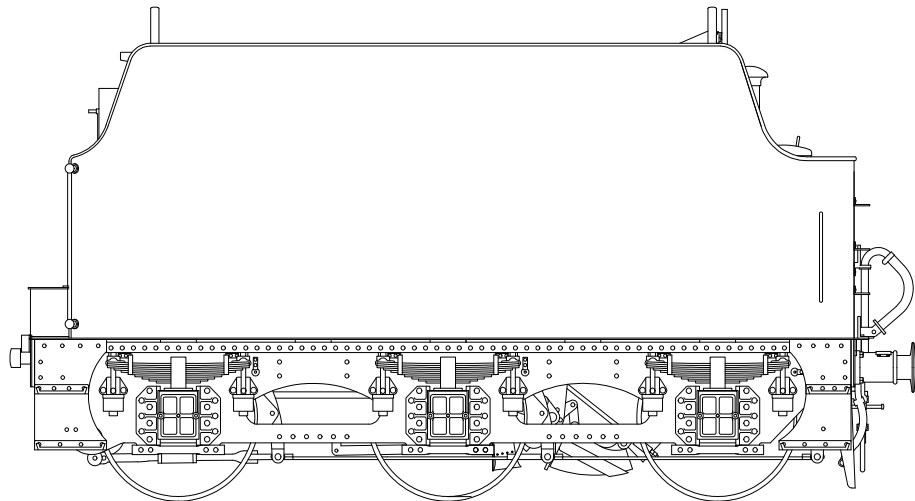


## LMS 4000 GALLON STANIER TENDER



### **CAUTION.**

This product contains etched parts with very sharp edges and castings that may contain lead. Neither the Manufacturer, Distributor or Retailer can accept any liability for illness, injury or consequential damage caused when handling or building this product.

Read any instructions before assembly. Do not eat or drink whilst handling.  
Wash hands after use.

## BRIEF HISTORICAL DETAILS

The 38 members of the 'Coronation' class were all coupled to 10 ton 4000 gallon tenders fitted with steam coal pushers. The subjects of this kit are the two types of all welded tenders fitted to the first 33 locomotives. The two types were classified as follows:

**Type 'A'** - Streamlined style - Locomotives 6220-9 and 6235-52.

**Type 'B'** - Non-streamlined style - Locomotives 6230-4.

The kit produces the Type 'A' tenders in the form they took when the streamlined locomotives were de-streamlined between 4/1946 and 5/1949.

The changes of tenders between the locomotives are given in the following table. This information is particularly relevant if you are modelling a de-streamlined locomotive that received a Type 'B' tender and vice-versa. These instances are [highlighted](#).

LOCO NO.	ORIGINAL TENDER	TENDER CHANGES
6220	TYPE A 9703 6/37	9803 6/44 - 9703 1/46 - 9804 8/49 - 9705 8/49
6221	TYPE A 9704 6/37	9816 1/ 11/61 - 9359* 10/62
6222	TYPE A 9705 6/37	9804 8/49
6223	TYPE A 9706 6/37	<a href="#">9748</a> 5/46
6224	TYPE A 9707 7/37	<a href="#">9748</a> 8/45 - 9706 5/46
6225	TYPE A 9743 5/38	<a href="#">9749</a> 8/45 - 9799 3/49
6226	TYPE A 9744 5/38	NONE
6227	TYPE A 9745 6/38	NONE
6228	TYPE A 9746 6/38	NONE
6229	TYPE A 9747 9/38	9802 11/45
6230	TYPE B 9748 6/38	<a href="#">9707</a> 8/45
6231	TYPE B 9749 6/38	<a href="#">9812</a> 1/45
6232	TYPE B 9750 7/38	NONE
6233	TYPE B 9751 7/38	NONE
6234	TYPE B 9752 8/38	NONE
6235	TYPE A 9798 6/39	NONE
6236	TYPE A 9799 7/39	<a href="#">9749</a> 1/49 - 9807 12/52
6237	TYPE A 9800 8/39	9804 4/44-9800 5/44
6238	TYPE A 9801 9/39	NONE
6239	TYPE A 9802 8/39	<a href="#">9747</a> 11/45
6240	TYPE A 9803 3/40	9703 6/44 - 9803 8/44
6241	TYPE A 9804 4/40	9805 3/44 - 9811 8/53 - 9703 9/56 - 9811 11/56
6242	TYPE A 9805 5/40	9804 3/44 - 9800 4/44 - 9804 5/44 - 9703 1/46 - 9816# 7/51 9703 9/51 - 9811 9/56 - 9703 10/56
6243	TYPE A 9806 5/40	NONE
6244	TYPE A 9807 7/40	9808 6/45
6245	TYPE A 9808 6/43	9807 6/45-9811 6/52-9805 8/53
6246	TYPE A 9809 8/43	<a href="#">9749</a> 5/61
6247	TYPE A 9810 9/43	9811 10/44 - 9807 6/52 - 9749 12/52 - 9809 5/61
6248	TYPE A 9811 10/43	9810 10/44
6249	TYPE A 9812 4/44	<a href="#">9749</a> 1/45-9743 8/45
6250	TYPE A 9813 5/44	NONE
6251	TYPE A 9814 6/44	NONE
6252	TYPE A 9815 6/44	NONE

- \* tender number 9359 was of the 'Princess Royal' Type.
- # later, part riveted tender, not covered by the kit.

The principle differences between the Type 'A' and Type 'B' tenders are shown in Fig.1 & Fig.2 and are as follows:

**Type 'A'**. Twin water fillers - four vents inside coal space - no rear steps - rear ladder - side sheets at rear extend beyond rear plate and have beading down their rear edge - side sheets at front have high cut-out.

**Type 'B'**. Single water filler - front vents inside coal space - tall rear vents on tank top - rear steps with handrails on side sheet above - six steps on rear plate - side sheets at rear flush with rear plate and are not beaded down rear edge - side sheets at front have lower cut-out.

## **MODIFICATIONS AND DIFFERENCES INCORPORATED INTO THE KIT.**

In the early 1950's external sieve boxes for the injector feeds were fitted. Some tenders were fitted with two small lubricators over the centre axleboxes.

The following list of books can provide more detailed history of these tenders:

LMS Locomotive Profiles No.11 - The 'Coronation' Class by Hunt et al, published by Wild Swan

The LMS Pacifics by J.W.P.Rowledge, published by David & Charles

Locomotives Illustrated 91 (September-October 1993) published RAS Publishing

The Power of the Duchesses by David Jenkinson, published by Oxford Publishing Co

Profile of the Duchesses by David Jenkinson, published by Oxford Publishing Co

Stanier Locomotive Classes by A.J.Powell, published by Ian Allan Ltd

Loco Profile 37 by J.W.P.Rowledge, published by Profile Publications Ltd

The Definitive 'Duchess' by Russell Carter & David Jenkinson - Modellers' Backtrack - Volume 3 Numbers 4 & 5, published by Atlantic Transport Publishers.

## **COMPONENTS NOT PROVIDED**

Stanier pattern wheels 4' 3", 12 spoke, 5/32" axle (Slater's 7851STMF)

## **CONSTRUCTION**

Note that many of the components are handed left/right and care must be taken to ensure the correct component is used. Components are not always identified as left or right but with care and common sense no problems should arise. All bends should be made with the fold line on the inside unless otherwise stated. All rivets should be embossed and all holes opened up to correct size before components are folded and assembly takes place.