

LSWR M7 PACK



CONTENTS

BACKGROUND

SPECIFICATION

PACK FEATURES

ADDITIONAL CONTROLS



BACKGROUND

The LSWR M7 class is a class of 0-4-4 passenger tank locomotive built between 1897 and 1911. The class was designed by Dugald Drummond for use on the intensive London network of the London and South Western Railway (LSWR), and performed well in such tasks. Because of their utility, 105 were built and the class went through several modifications over five production batches. For this reason there were detail variations such as frame length. Many of the class were fitted with push-pull operation gear that enabled efficient use on branch line duties without the need to change to the other end of its train at the end of a journey.

Under LSWR and Southern Railway ownership they had been successful suburban passenger engines, although with the increased availability of newer, standard designs, many of the class were diagrammed to take on a new role as reliable branch line engines, especially in Southern England.[2]

Members of the class lasted in service until 1964, and two examples have survived into preservation: number 245 in the National Railway Museum, and 53 (as BR 30053) on the Swanage Railway.



SPECIFICATION

Power Classification:	2P
Build Date:	1897-1911
Total Built:	105
Wheel Arrangement:	0-4-4
Length:	34 feet 8 inches
Weight:	60 tons 4 cwt
Number of Cylinders:	2
Cylinder Size:	18.5inch x 26 inch
Coal Capacity:	3 tons 5 hundredweight
Water Capacity:	1,300 imp gal
Boiler Pressure:	175psi
Driving Wheel Diameter:	5 Feet 7 inch
Tractive Effort:	19,750 lbs
Designer:	Dugald Drummond



PACK FEATURES

- Lighting effects for lamps and firebox
- Custom headcode disc system, changeable on the fly
- Realistic physics
- Loco information
- Particle steam effects: Sanders, cylinder cocks, safety valves
- Fully TS2014 featured



ADDITIONAL CONTROLS

KEYS	DISC SHOWN
CTRL+1	HEADCODE DISC 1
CTRL+2	HEADCODE DISC 2
CTRL+3	HEADCODE DISC 3
CTRL+4	HEADCODE DISC 4
CTRL+5	HEADCODE DISC 5
CTRL+6	HEADCODE DISC 6

Pressing H once will put the tail lamp on the rear of the engine or train.

Pressing H twice will put the tail lamp on the front of the engine or train.

For AI Locomotives, an automated headcode system has been implemented. This uses the former Southern Railway system, and takes the form of two numbers and a letter.

Example, where 30053 is the loco number, and 71A the shedcode;

```
3005371A21>
```

This will give you code number 21 on the rear of the loco, whilst replacing > with < will give you the same code on the front of the loco. Under the Southern 1936 headcode book, only 34 codes are listed. All are available here for your convenience. You can still change the headcode of your own loco at any point by referring to the table above.

Finally, please note that you must press key 'E' to release the reverser lock, and key 'E' again to latch it.

©2014 Digital Traction. All rights reserved. Digital Traction and the Digital Traction logo are trademarks and copyright. All trademarks and brand names are trademarks or registered trademarks of the respective owners and their use herein does not imply any association or endorsement by any third party.

This software is copyright Digital Traction and must not be copied, back engineered or distributed without written permission. To do so is a criminal offence under UK and EU law.

