

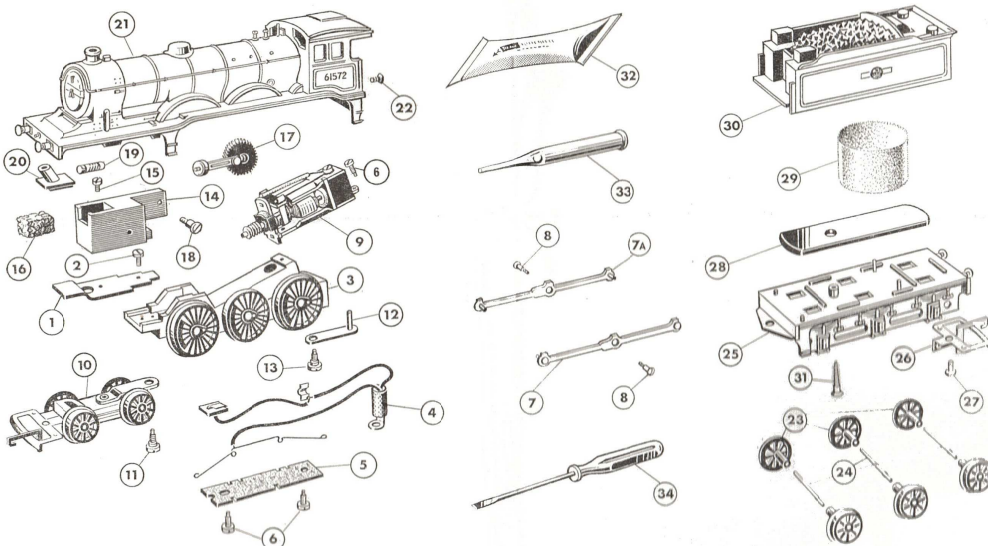
R3 89 13 117 0

Triang HORNBY

ASSEMBLY PACK

"B 12 Class" Locomotive and Tender Kit R.389

GENERAL ILLUSTRATION

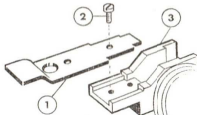


LIST OF COMPONENTS

LOCOMOTIVE		No. Req'd	Spare Part No.
1	CHASSIS EXTENSION	1	S.3452
2	SCREW	1	S.1035
3	CHASSIS ASSEMBLY	1	X.607
4	COLLECTOR, SMOKE UNIT LEAD AND SUPPRESSOR ASSEMBLY	1	X.609
5	COLLECTOR DIAPHRAGM	1	S.3456
6	SCREW	3	S.1011
7	COUPLING ROD—LEFT	1	X.515
7A	COUPLING ROD—RIGHT	1	X.516
8	COUPLING ROD SCREW	2	S.1014
9	MOTOR	1	X.04
10	LOCOMOTIVE BOGIE	1	X.416
11	SCREW	1	S.1006
12	DRAWBAR	1	X.519
13	DRAWBAR SCREW	1	ST.4010
14	SMOKE UNIT CASTING	1	S.4197
15	SCREW	1	S.1016
16	FIBRE WADDING	1	S.7599
17	PISTON AND WORM WHEEL ASSEMBLY	1	X.562
18	SCREW	1	S.1095
19	SMOKE ELEMENT	1	X.549
20	COVER PLATE	1	S.4224
21	LOCO BODY	1	R.150/1
22	SCREW	1	S.1061
TENDER		No. Req'd	Spare Part No.
23	WHEEL	6	S.5938
24	AXLE	3	S.2129
25	TENDER CHASSIS	1	X.615
26	COUPLING UNIT	1	X.171
27	SCREW	1	S.1070
28	WEIGHT	1	S.3140
29	FOAM PAD	1	S.7661
30	TENDER BODY	1	X.616
31	SCREW	1	S.1066
32	SMOKE OIL	1	S.5996
33	FILLING FUNNEL	1	S.6328
34	SCREWDRIVER	1	S.6259
	LOCO CREW (NOT ILLUSTRATED)	1	R.413

STAGE 1

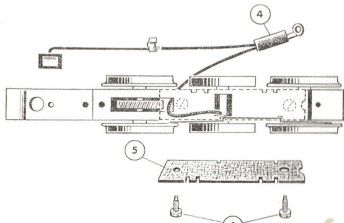
Fit chassis extension (1) with screw (2) to top of chassis (3).



STAGE 2

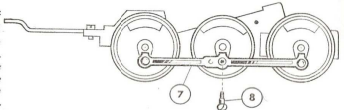
Take collector, smoke unit lead and suppressor assembly (4) and pass collector spring through chassis from the top, past the rear of the worm wheel. Secure in place with collector diaphragm (5) and by means of two screws (6). Care must be taken to ensure that the collector diaphragm is fitted the correct way round. (Dotted on illustration). The ends of the collector spring should bear on the backs of the driving wheels with sufficient pressure to maintain electrical contact but without acting as a brake. Any adjustment needed can be carried out with a pair of tweezers.

NOTE: The collector spring arms must not touch the metal chassis as this would create a short circuit.



STAGE 3

On left-hand side of model fit coupling rod (7) secure in place with gear screw (8). Repeat this procedure on the right-hand side of the locomotive using parts 7A and 8. Place chassis on a section of track and push along to make sure that the assembled parts are all free. Any tightness or binding should be investigated and necessary parts adjusted.

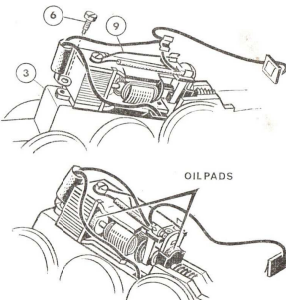


STAGE 4

Fit motor (9) to chassis (3) and, at the same time, secure tag washer from collector, smoke unit lead and suppressor assembly (4) in place with another screw (6).

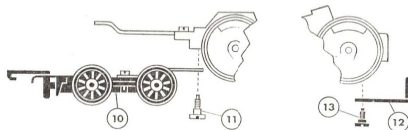
NOTE: The insulated sleeve must cover the solder joint on the collector assembly otherwise, when the body is fitted, this joint will press against the motor magnet and a short circuit will occur. Lubricate felt oil retaining pads on armature shaft bearings and oil worm gear with a light sewing machine oil. Do not use thick oil or grease.

Connect lead from suppressor to motor by inserting the brass tag, in the middle of the lead, into the slot between the top of the brush arm and the right-hand side of the black diaphragm which supports the brushes. The brass tag at the end of the lead is fitted to the smoke unit and this is shown in STAGE 6. At this stage the chassis should be given a test on the track under power (12 volts D.C.).



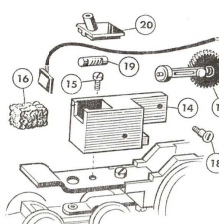
STAGE 5

Fit loco bogie (10) by means of screw (11) to chassis. Use the hole just in front of the worm wheel in the chassis block. Secure the drawbar (12) with screw (13) to the rear of the chassis.

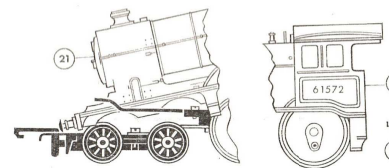


STAGE 6

Fit the smoke unit casting (14) to chassis with screw (15). Place fibre wadding (16) into casting. Fit piston assembly (17) into the hole in the smoke unit casting and secure worm wheel with screw (18), ensuring that the worm wheel meshes correctly with the worm gear of motor. The element contact, this is the brass tag on the end of the collector assembly (4), is slotted into the front end of the smoke unit casting and pushed down firmly. Fit smoke element (19) into the smoke unit on top of the fibre wad, ensure that the element is not pressed down below the element contact, and fit cover plate (20).



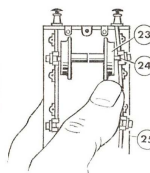
STAGE 7



Fit front of body (21) to chassis extension and push rear end down into position and secure with screw (22). Place a drop of lubricating oil on all moving parts and pivots on the chassis. Place a few drops of smoke oil into the smoke unit, as described in the separate smoke unit leaflet enclosed, and run locomotive on test for a period.

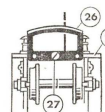
STAGE 8

Fit tender wheels (23) and axles (24) to tender chassis (25). Place one end of axle into hole in chassis and press out the other side allowing end of axle to drop into position. Spin the wheels to ensure that they are running freely.



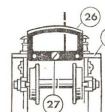
STAGE 9

Fit coupling unit (26) to tender chassis (25) and secure with screw (27).



STAGE 10

Fit weight (28) to tender chassis and place foam pad (29) on top, secure tender body (30) in place with screw (31). Reference should be made to general illustration above.



GENERAL INSTRUCTIONS

Examine the parts and identify them with the general illustration and list of components which appear above.

Follow the stage by stage assembly instructions from Stage 1 to Stage 10 as illustrated.

The operation and maintenance of the assembled locomotive are in accordance with the procedure outlined in the Instruction Leaflet supplied with the kit.

This model incorporates a traction magnet and steel tyred driving wheels, thus providing "magnadhesion". Best results will, therefore, be obtained when operating on Triang Hornby track.

If the simple assembly instructions have been followed correctly, the locomotive should perform satisfactorily. However, if you would like the model checked and tested at the factory, this work can be carried out if the locomotive and tender are sent, carefully packed, direct to Rovex Scale Models Limited, Service Department, Westwood, Margate, Kent, with a note enclosed giving the name and address of the sender in block capitals. A charge will be made for this service and if any parts have been damaged by the purchaser during assembly, replacements will be supplied and fitted at the normal spare parts prices.

Alternatively, replacement parts may be purchased through Triang Hornby stockists, in which case the appropriate spare part numbers, which appear in the list of components, should be quoted.

TRI-ANG HORNBY MODEL RAILWAYS

Made in Great Britain by
ROVEX INDUSTRIES LTD.
WESTWOOD, MARGATE, KENT.