G3 08 Shunter by Peter F. Davis G1MRA #257 August 2024

Here I have enlarged my 08 shunter to Gauge 3, 2.5 inch gauge. I did this some time ago, now finally finishing a few things and tidying up the files.

I added window frames to keep the panes in place. Two motors are now used with gear (printed) drive to the axles. These motors are similar to the N-20 motor used in the G1 version, having an inclosing cylindrical casing around the gear box.

I’ve size the screw hole back down to M2, however these may need to be drilled to size and taped.

Purchased parts used:

2 Uxcell DC Geared motors 6V 300 RPM Dust Proof.

Ground steel rod 4mm diameter. Enough to make 3, 111.7mm long axles.

K&S Brass Tube, 5mm OD x .45mm Wall x 10.65mm long, x 6 axle bearings.

K&S Brass Tube, 5mm OD x .45mm Wall x 25.2mm long, x 2 motor mount bearings.

K&S Brass Tube, 3mm OD x .45mm Wall x 6mm long, x 6 crank pins.

M2 screws and set screws to suit.

.5mm thick clear plastic sheet for windows.

Short bits of 1.75mm filament are used for drive pins or locating pins.

Drawings by Ian Beattie were featured in the July 1990 issue of “Railway Modeller”.

“Modern Locomotives Illustrated”, #202, Aug-Sept 2013 is devoted to 08, 09, 10 & 13 Shunters. I have the digital version from “pocketmags.com”. Very Nice.

Tap Guide

Parts with holes to be tapped:

002e and 003e Frame Extensions have small holes, I tapped 0-80 for the attaching the Guard Irons.

004b and 005b Buffer Beams, tap side holes M2 for attaching the frame extensions.

006 Buffer tap M2

007 Frame Spreader, tap M2

010, 011, 012 Sand boxes, tap M2

013 Step Front Left, tap M2 for attaching to the frame.

014 Step Front Right, tap M2 for attaching to the frame.

017 Axle, tap M2 for set screws.

018 Crank, Tap M2 for set screw and M22 for crank pin.

021f and 021r Footplates, tap M2 two side holes for attaching to the frame.

022 Radiator, tap M2 two holes for attaching to the foot plate.

025 Cab Floor, tap two holes M2 for attaching to the footplate and two holes for attaching the rear steps.

026 Cab Front, tap M2 one hole in the bottom for attaching to the footplate.

040, 041, 042, 043 Sides, tap M2 holes in bottom to attach to footplate.

Axle Mount Motor:

The Axle spacer and both gears have a hole to tap for M2 set screws.

Motor clamp, tap one hole M2.