



Business Systems
Train Systems

TOPS

TOPS
LOCOMOTIVE
CODES

CENTRAL SERVICES
BUSINESS SYSTEMS
VEHICLE MANAGEMENT DIVISION
RAILWAY TECHNICAL CENTRE
DERBY



SEPT 1992

Your Area Freight Centre for reporting is:

Tele: _____

Other useful telephone numbers

T O C (Internal) 00-24253

(Internal) 00-30051

(G.P.O.) 071-822-4253

FOREWORD

This booklet summarises the codes required to report locomotive maintenance and repairs together with the more commonly used codes required to interpret the coded information contained in responses to on-line enquiries and unsolicited messages. Some notes to assist in the use of codes are also included where appropriate.

Full details of all TOPS codes can be found in the Code Guide Database. This booklet will not be updated between issues, and any relevant changes or additions notified on amendment sheets issued for the Code Guide should be entered by hand.

Remember that the more care taken to prepare on-line inputs correctly, the more useful will be the information available to all those making enquiries.

TOPS is a REAL-TIME System

RAVERS / TOPS INTERFACE

A number of TOPS inputs can now be generated by data entry to formatted screens within the Rail Vehicle Records menu. Details of these are :-

Procedure	Accessed from RAVERS
CJ Change Loco Operating Status)
AT Report Loco Maintenance/Work Done)From Depot Supervisors
PS Train Set / Vehicle Status Change)Stop / Update / Release
MA Report Maintenance Done (POIS))Report
HC Report Heavy Cleaning (POIS))
AY Apply Loco Restricted Working Code)From screen
AV Remove " " " ")following input
AH Preassign maintenance & Repairs)of Casualty details
CC Defects/Repairs to Coaching Stock (Repair of defects only)	From Workdue clearance screen
F8 Allocate vehicles to train Sets (If updating POIS set from RAVERS)	From Depot Supervisors Stop / Update / Release Report
E3 Locomotive Enquiry)From various
J6 Vehicle Enquiry)Workdue Enquiries

In addition, there are facilities in RAIL VEHICLE RECORDS to set up and save commonly used TOPS enquiries, which can be selected and submitted when required.

CODE GUIDE DATABASE

Where codes in this guide may not be up to date, and for other codes not covered, information is available on TOPS from the Code Guide Database. For details of a particular code, input to TOPS is :-

SD CODE xxxxxxxxxxxx

Where xxxxxxxxxxxx is the appropriate entry from the list below -

(SD CODE INDEX will give an up-to-date version of this list)

e.g.: SD CODE CARGRP

will give a listing of Wagon Group Codes

CODE GUIDE DATABASE - GUIDE TO DATASETS.

AREAMAN	- LIST OF AREA MANAGERS AREACODES WITH ASSOCIATED DIVCODES.
AXLE	- WAGON AXLEBOX CODES.
AXLESX	- LOCOMOTIVE WHEEL ARRANGEMENT CODES.
BREL	- B.R.E.L. WORKSHOP DEPOT CODES.
CALLCODE	- UNIQUE CALL-CODE CHARACTER FOR MU TRAIN IDENTITY
CARGRP	- WAGON GROUP CODES.
CARKND	- REVISION OF CARKNDS JAN'1990
CATERING	- PASSENGER VEHICLE CATERING CODES (FROM TSDB).
CCS	- STANDARD COMMUTED CHARGES SCHEME
CCSLOCN	- STANDARD COMMUTED CHARGES SCHEME - LIST OF AFFECTED LOCATIONS
CCSRULES	- RULES APPLYING TO STANDARD COMMUTED CHARGES SCHEME
CHE01	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER A TO B
CHE02	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER C TO D
CHE03	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER E TO L
CHE04	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER M TO O
CHE05	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER P TO S
CHE06	- LIST OF DANGEROUS GOODS IN ALPHABETICAL ORDER T-Z, 1-9
CL/REPS	- CLASSIFIED REPAIR CYCLES.
CLEAN	- WAGON CLEANLINESS CODES.
CMEERG	- C.M. & E.E. REPAIR GROUP CODES.
COM-BLD	- COMMODITY CODES - CONSTRUCTION/BUILDING/AGGREGATES.
COM-BRM	- COMMODITY CODES - MISCELLANEOUS (INTERNAL).
COM-CARS	- COMMODITY CODES - AUTOMOTIVE.
COM-CHEM	- COMMODITY CODES - CHEMICALS & ALLIED PRODUCTS (1) INCL DG NOS.
COM-COAL	- COMMODITY CODES - COAL, COKE & PATENT FUELS.
COM-EANS	- COMMODITY CODES - INDUSTRIAL MATERIAL

COM-FOOD	- COMMODITY CODES - FOOD, DRINK & AGRICULTURAL.
COM-IRON	- COMMODITY CODES - METALS.
COM-MISC	- COMMODITY CODES - GENERAL MERCHANDISE.
COM-PET	- COMMODITY CODES - PETROLEUM PRODUCTS - INCL. DG NOS.
CONIND	- CONSIST INDICATOR CODE.
CONTL	- CONTINENTAL FERRY WAGON ADMINISTRATION REGISTRATION NUMBERS.
COUPLING	- VEHICLE COUPLING CODE EXPLANATIONS.
CPLWDN	- CRIPPLE WORK DONE CODES.
CRIPPLE	- FREIGHT CRIPPLE DESCRIPTION CODES.
CRLCNO	- PRIVATE OWNER WAGONS - OWNER/USER CODES.
CTTCOND	- C.T.T. CONDITIONAL DATA CODES.
CTTFC	- TRAFFIC MOVEMENT CODES.
DECOR	- COACHING STOCK INTERIOR DECOR.
DEFDES	- DEFECT DESCRIPTION CODES (2 ALPHA)
DEFPOIS	- P.R.S.DEFECT DESCRIPTION / CRIPPLE / REPAIR CODES.
DELAYS	- TRUST DELAY CODES - PREAMBLE EXPLAINS USE OF ASTERISKS &
DELAYS	- FIRST CHARACTERS OF THE CODES.
DELCON	- DELIVERY CONDITIONS CODES.
DEPOT	- ALLOCATION / MAINTENANCE DEPOT CODES.
DIVCDE	- DIVISIONAL / REGIONAL CODES.
DIVWAG	- REGIONAL / DIVISIONAL WAGON SECTION CODES.
DMUTYPE	- DIESEL MULTIPLE UNIT TYPE LISTING
DPALLPRS	- DEPOT ALLOCATION CODES - COACHING STOCK
EMUTYPE	- ELECTRIC MULTIPLE UNIT TYPE LISTING
EPCPOIS	- EXCEPTIONAL PASSENGER COUNT REASON CODES.
ERTCDE	- WAGON OWNERSHIP / LEASE CODE
EXAMS	- MAINTENANCE CYCLES FOR PASSENGER & NPCCS VEHICLES.
FRTCHA	- SPECIAL CHARACTERISTICS FOR FREIGHT VEHICLES
GENKOC	- GENERAL KIND OF VEHICLE GROUP.
HAZ	- CONTAINS 'FIND' OPTIONS FOR ACCESS TO 'CHE01/2/3/4/5 & 6'
HCCPOIS	- PASSENGER / NPCCS COACHING STOCK HEAVY CLEANING CODES.
HEATING	- HEATING & VENTILATION CODES.
HLDRSN	- HOLD REASON CODES.
INDEX	- GIVES BRIEF EXPLANATION OF ALL OTHER
KND-A	- RAIL VEHICLE TYPE CODES - A -COACHING, LOCO HAULED.
KND-B	- RAIL VEHICLE TYPE CODES - B - STEEL CARRYING, BOGIE.

KND-C	- RAIL VEHICLE TYPE CODES - C - TRAFFIC BRAKEVANS.
KND-D	- RAIL VEHICLE TYPE CODES - D - DIESEL MULTIPLE UNITS.
KND-E	- RAIL VEHICLE TYPE CODES - E - ELECTRIC MULTIPLE UNITS.
KND-F	- RAIL VEHICLE TYPE CODES - F - FLATS & EXCEPTIONAL VEHICLES.
KND-G	- RAIL VEHICLE TYPE CODES - G - COACHING, H.S.T.
KND-H	- RAIL VEHICLE TYPE CODES - H - HOPPERS.
KND-I)	- RAIL VEHICLE TYPE CODES - I - (INTERNATIONAL FERRY WAGONS, FOREIGN ADMINISTRATIONS).
KND-J	- RAIL VEHICLE TYPE CODES - J - PRIVATE OWNER, BOGIE, NOT TANKS & SPECIALS
KND-K	- RAIL VEHICLE TYPE CODES - K - PRIVATE OWNER, SPECIALS
KND-L	- RAIL VEHICLE TYPE CODES - L - EPS EUROPEAN PASSENGER SERVICES
KND-M	- RAIL VEHICLE TYPE CODES - M - MINERAL, NOT HOPPERED.
KND-N	- RAIL VEHICLE TYPE CODES - N - COACHING, NON PASSENGER CARRYING
KND-O	- RAIL VEHICLE TYPE CODES - O - OPEN.
KND-P	- RAIL VEHICLE TYPE CODES - P - PRIVATE OWNER, 2/3 AXLE, NOT TANKS/SPECIALS
KND-Q	- RAIL VEHICLE TYPE CODES - Q - (SERVICE DEPARTMENTS COACHING (TYPE VEHICLES)
KND-R	- RAIL VEHICLE TYPE CODES - R - RAILWAY OPERATING.
KND-S	- RAIL VEHICLE TYPE CODES - S - STEEL- CARRYING, 2-AXLE
KND-T	- RAIL VEHICLE TYPE CODES - T - PRIVATELY-OWNED, TANKS.
KND-V	- RAIL VEHICLE TYPE CODES - V - VANS, COVERED, GENERAL.
KND-Y	- RAIL VEHICLE TYPE CODES - Y - SERVICE DEPARTMENTS, (BOGIE FREIGHT VEHICLES)
KND-Z	- RAIL VEHICLE TYPE CODES - A - SERVICE DEPARTMENTS (2-AXLE FREIGHT VEHICLES)
LADING	- VEHICLE LADING CODES.
LIVERIES	- VEHICLE LIVERY CODES.
LOAD	- OLD WAGON LOAD CATEGORY CODES.
LOCBRAKE	- TRAIN & LOCOMOTIVE BRAKE CODES.
LOCOPOOL	- EXPLAINS LOCOMOTIVE POOLS
LOCOPSTA	- LOCOMOTIVE OPERATING STATUS CODES.
LOCTYP	- LOCOMOTIVE CLASSES & SUB-CLASSES.
LSRSN	- LATE START & CANCELLATION CODES - ALL TRAINS.
MAINCDE	- PASSENGER / NPCCS VEHICLE MAINTENANCE CODES.
MOVRES	- MOVEMENT RESTRICTION CODES.

MTDEST	- EMPTY WAGON DESTINATION CODES.
MTPCTL	- LOCOMOTIVE MULTIPLE CONTROL CODES.
NEWDELAY	- TRUST DELAY/CANCELLATION REASON CODES FOR PASSENGER&FREIGHT
NEWLSRSN	- TRUST DELAY/CANCELLATION REASON CODES FOR PASSENGER&FREIGHT
OWNERS	- OWNER GUIDE FOR PRIVATELY-OWNED WAGONS.
PLACEMNT	- PLACEMENT CODES.
POOLGP	- POOL GROUP CODES.
POWER	- POWER CHANGE POINT INDICATOR.
PPMIND	- PLANNED PREVENTIVE MAINTENANCE OR
CRIPPLE	CODE INDICATOR.
PRSCHARS	- SPECIAL CHARACTERISTICS - PASSENGER & NPCCS VEHICLES.
PRSCODES	- PASSENGER ROLLING STOCK TYPE CODES.
RADTEL	- RADIO OR TELEPHONE CODES.

REASON OUT OF SERVICE CODES

REASOS	- REASON OUT OF SERVICE CODES - AS APPLIED TO LOCOS
REASOSA1	- A-PRELIMINARY (SHORTAGES)
REASOSA2	- A-PRELIMINARY (PROTECTIVE EQUIP)
REASOSA3	- A-PRELIMINARY (DEFECTS IN SERV.)
REASOSB1	- B-GENERAL (SPECIAL ITEMS).
REASOSB2	- B-GENERAL (BREL WORKSHOP REPS.)
REASOSB3	- B-GENERAL (LOCOS WITHDRAWN)
REASOSC1	- C-COMPONENTS (ENGINE)
REASOSC2	- C-COMPONENTS (MECHANICAL & HYDRAULIC TRANS)
REASOSC3	- C-COMPONENTS (BRAKES)
REASOSC4	- C-COMPONENTS (MACHINES)
REASOSC5	- C-COMPONENTS (ELECTRICAL POWER & CONTROL EQUIPMENT)
REASOSC6	- C-COMPONENTS (BODY,BOGIE & FRAME)
REASOSC7	- C-COMPONENTS (EMERGENCY & FIRE PROTECTION EQUIP)
REASOSC8	- C-COMPONENTS (HEATING EQUIPMENT)
REASOSC9	- C-COMPONENTS (SUPPLY EQUIPMENT - ELECTRIC LOCOS.)
RESTWK	- LOCOMOTIVE RESTRICTED WORKING CODES.
RGROUP	- LOCOMOTIVE REPAIR GROUP CODES.
RLSE	- RELEASE CODES, FREIGHT.
RMAINT	- REGULAR MAINTENANCE CODES - CUMULATIVE WORK CONTENT EXAMS.
SECTOR	- SECTOR & SUB-SECTOR CODES.
SOURCE	- DESTINATION SOURCE CODES.
SPLCHA	- LOCOMOTIVE SPECIAL CHARACTERISTICS CODES.
SPLHNG	- FREIGHT VEHICLE SPECIAL HANDLING CODES.
STATPOIS	- POIS CURRENT VEHICLE STATUS CODES.
STATUS	- CURRENT WAGON STATUS CODES (FREIGHT).

STEAM - NUMBER CONVERSION TABLE FOR
PRIVATELY-OWNED STEAM LOCOS ON TOPS.

EXPLANATION OF 3RD-5TH DIGITS & NAMES AT END OF DSET.

TCOMMS - TRAIN COMMUNICATION SYSTEM CODES.
TNHEAT - TRAIN HEAT CODES.
TRA-ANG - AREA FREIGHT CENTRES, ANGLIA REGION.
TRA-ER - AREA FREIGHT CENTRES, EASTERN REGION.
TRA-LMR - AREA FREIGHT CENTRES, LONDON MIDLAND
REGION.
TRA-SCR - AREA FREIGHT CENTRES, SCOTTISH REGION.
TRA-SR - AREA FREIGHT CENTRES, SOUTHERN REGION.
TRA-WR - AREA FREIGHT CENTRES, WESTERN REGION.
TRNSVC - STANDARD TRAIN SERVICE CATEGORY CODES,
THRULO & BUSSEC.
TRUNAMES - TRUST STATION NAME DIRECTORY
TSIA/OC - CHANGES TO 'TSIA' EFFECTIVE FROM 17.03.90
TSPEED - TRAIN STATUS CODE (TSPEED) IDENTIFICATION
TO BE USED
VEHID - WAGON OWNER IDENTIFICATION.
WAGBRAKE - VEHICLE BRAKE TYPE CODES.
WAGDIST - WAGON DISTRIBUTORS CODES.
6320 - OFFICERS SALOON 6320

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TRACTION

When reporting locomotive maintenance it is always important to remember the relationship between Operating Status (OPRSTA), Regular Maintenance (RMAINT), Reason out of Service (REASONS), and Work Done (WKDONE).

The Expected Release Time (EXPTIM) for locomotives undergoing maintenance must be as accurate as possible, particularly when within the next eight hours so that control can make plans to use the locomotive in revenue earning service and ensure that further work is made available for the depot.

DEPOT CODES

TOPS

RAVERS

Location Number(TOPS)	Depot	Code	locos	PRS
02081	Aberdeen Ferryhill	AB		#
02075	Aberdeen Clayhills	AC	#	#
89417	Chart Leacon (Ashford) TMD	AF	#	#
70354	Aylesbury DMUD	AL		#
36191	Allerton TMD	AN	#	#
08614	Ayr TMD	AY	#	#
78812	Barry	BA		#
38155+	Birkenhead SD	BD	#	#
62013	Bedford	BE		#
19101	Botanic Gdns (Hull) TMD	BG	#	#
27212	Barrow Hill SD	BH	#	#
87983	Brighton TMD	BI	#	#
81431	Bristol Dr.Days Junction	BJ		#
81432	Bristol Barton Hill	BK		#
12230	Blyth TMD	BL	#	#
86923	Bournemouth TMD	BM	#	#
54101	Bounds Green T&RS MD	BN	#	#
30021	Blackpool North	BP		#
31024	Bury EMU Depot	BQ		#
81800	Bristol Bath Road TMD	BR	#	#
65702	Bescot TMD	BS	#	#
05115	Bo'ness Scottish Railway PS	BT		#
57702	Burton	BU		#
(89753	Beever TMD ** training **	BV	#)	
79232	Burrows Sidings	BV		#
11231	Barrow SD	BW	#	#
34202	Buxton TMD	BX	#	#
70302	Bletchley TMD	BY	#	#
85222	St Blazey SD	BZ	#	#
47215	Cambridge TMD	CA	#	#
50022	Clacton on Sea (EMU)	CC		#
42135	Crewe Diesel MD	CD	#	#
42123+	Crewe Electric MD	CE	#	#
78514	Cardiff Canton Sidings	CF	#	#
78520	Cardiff Canton TMD	CF	#	#
40304	Chester TMD	CH	#	#
87221	Clapham Junction	CJ		#
07125	Corkerhill (Glasgow) SD	CK	#	#
09195	Upperby (Carlisle)	CL	#	#
72401	Camden CS	CM		#
11525	Carnforth	CN		#
42145	Crewe CS	CP		#
50048	Colchester SD	CR	#	#
88403	Cannon Street	CS		#
21141	Cleethorpes	CT	#	#
63402	Cricklewood	CW		#
78418	Cardiff Cathays	CY		#
19168	Dairycoats CS	DC		#
23431	Doncaster Major Depot	DL		#

DEPOT CODES

TOPS RAVERS

Location Number(TOPS)	Depot	Code	locos	PRS
25801	Darnall	DO		#
23431	Doncaster TMD	DR	#	#
65641	Duddesdon	DU		#
89608	Dover FP	DV	#	#
57411	Derby Etches Park TMD	DY	#	# }#
57412	Derby EP HST	DY	#	}
04521	Craigenlinny (Ed) TMD	EC	#	#
06430	Eastfield (Glasgow) TMD	ED	#	#
36173	Edge Hill (Liverpool) SD	EG		#
86093	Eastleigh TMD	EH	#	#
51602+	East Ham Electric MD	EM	#	#
72402	Euston DCS London	EN		#
04641	Edinburgh Portobello	EP	#	#
76119	East Usk	EU		#
83403	Exeter St Davids SD	EX	#	#
89800	Forest (Brussels)	FF		#
22043	Frodingham (Scunthorpe) SD	FH	#	#
05043	Falkirk Scottish R.P.S.	FK		#
(89789	Fraser CMD ** training **	FM		#)
54209	Ferne Park	FP	#	#
86323	Fratton TMD	FR	#	#
06021	Fort William FP	FW	#	#
06421	Glasgow Cowlares	GC		#
13240	Gateshead (Newcastle)TMD	GD	#	#
89016	Gillingham	GI		#
68101	Gloucester SD	GL	#	#
05100	Grangemouth SD	GM	#	#
80104	Waterston Gulf Oil	GO	#	
07202+	Shields (Glasgow) EMD	GW	#	#
04230	Haymarket (Ed) (TMD)	HA	#	#
40001	Holyhead	HC		#
40005	Holyhead SD	HD	#	#
54206+	Hornsey Wheel Lathe	HE	#	}#
54208+	Hornsey	HE	#	}
76357	Hereford FP	HF	#	#
88449	Hastings	HG	#	#
53213	Hitchin	HI		#
88728	Hoo Junction	HJ		#
18421	Healey Mills (Wakefield) TMD	HM	#	#
17150	Holbeck (Leeds) SD	HO	#	#
72910	Derby HQ M&EE	HQ	#	#
36067	Liverpool Hall Road	HR		#
12714	Heaton CS	HT	#	#
06352	Hyndland (Glasgow) EMUD	HY		#
50422+	Ilford T & RSMD	IL	#	#
21210	Immingham TMD	IM	#	#
49211	Ipswich FP	IP	#	#
01112	Inverness CS	IS	#	}#
01113	Inverness TMD	IS	#	}

DEPOT CODES

TOPS

RAVERS

Location Number(TOPS)	Depot	Code	locos	PRS
09191	Carlisle Currock	KC		#
09149	Carlisle Kingmoor	KD		#
08718	Andrew Barclay Kilmarnock	KK		#
46220	Kings Lynn	KL		#
09149	Carlisle Kingmoor Yard LIP	KM	#	#
24322+	Kilnhurst Central RFS	KN	#	#
(89749	Sims CMD - ** training **	KS	#	# (#)
54300	Kings Cross	KX		#
18018	Knottingley TMD	KY	#	#
84090	Plymouth Laira TMD	LA	#	# }#
84092	Plymouth Laira Level5	LA	#	}
79045	Llanelli	LD		#
79320	Swansea Landore TMD	LE	#	#
32514+	Longsight (M'or) EMD	LG	#	#
40051	Llandudno Junction SD	LJ	#	#
36173	Liverpool Edge Hill	LL		#
36151	Liverpool Lime Street			#
44051	Lincoln	LN	#	#
32511	Longsight (M'or) TMD (D)	LO	#	#
89900	Le Landy (Paris)	LP		#
59239	Leicester SD	LR	#	#
32513	Longsight Wheel lathe	LS	#	#
52742	Liverpool St (London)	LV		#
(89813	Lymmer TMD ** training **	LY	#)	
32512+	Manchester Longsight CS	MA	#	#
63021	Marylebone	ME		#
79771	Margam TMD	MG	#	#
04724	Millerhill FP	MH	#	#
07452	Motherwell TMD	ML	#	#
64317	Machynlleth FP	MN	#	#
32000	Manchester Piccadilly	MP		#
31510	Manchester Victoria	MQ		#
46203	March TMD	MR	#	#
31505	Redbank Carriage Sidings	MV		#
48221	Norwich Crown Point T&RSD	NC	#	#
87605	New Cross Gate	NG		#
31300	Newton Heath (Manchester) TMD	NH	#	#
17115	Neville Hill (Leeds) RSMD	NL	#	#
55246	Nottingham	NM		#
72239	North Pole	NP		#
73220	Old Oak Common TMD	OC	#	#
73221	Old Oak common LHCS	OM		#
88491	Orpington	ON		#
73225	Old Oak Common HST	OO	#	#
74447	Oxford LIP	OX	#	#
65036+	Wolverhampton Oxley	OY	#	#
63630	St.Pancras	PA		#
45107	Peterborough SD	PB	#	#
07268+	Glasgow Polmadie	PC	#	#
73000	Paddington	PD		#
45108	Peterborough	PE		#

DEPOT CODES

TOPS

RAVERS

Location Number(TOPS)	Depot	Code	locos	PRS
03140	Perth	PH	#	#
86935	Poole	PL		#
81524	St Phillips Marsh HST	PM	#	#
07627	Polmadie	PO	#	#
78215	Pontypridd	PP		#
30120	Preston	PR		#
81811	Bristol Pylle Hill	PY		#
85731	Penzance SD	PZ	#	#
89472	Ramsgate	RE		#
74239	Reading TMD	RG	#	#
51513	Ripple Lane (Barking) SD	RL	#	#
57421	Railway Technical Centre	RT		#
70030	Rugby	RU		#
86308+	Ryde Isle of Wight	RY	#	#
86123	Salisbury	SA		#
28101	Shirebrook SD	SB	#	#
06521	Springburn	SD		#
88282	St. Leonards	SE		#
52230	Stratford TMD	SF	#	#
88425+	Slade Green TMD	SG	#	#
86520	Southampton	SH		#
13011	Simonside WRD	SI		#
14124	Sunderland South Dock LHS	SK	#	
87238	Stewarts Lane TMD	SL	#	#
25701	Sheffield FP	SM	#	#
08651	Stranraer Town	SN		#
65828	Soho (Birmingham)	SO		#
35150	Springs Branch (Wigan) TMD	SP	#	#
32534	Stockport	SQ		#
52228+	Stratford Repair Depot	SR	#	#
14121	Sunderland	SS		#
87151	Strawberry Hill	ST		#
87638+	Selhurst TMD	SU	#	#
72102	Wembley Stonebridge Park	SV	#	#
75013	Swindon	SW	#	#
64199	Shrewsbury	SX		#
66320	Saltley (Birmingham) FP	SY	#	#
87920	Three Bridges	TB		#
13201	Tyne Dock Mobile	TD		#
15401	Thornaby (Tees Yd) TMD	TE	#	#
52227	Thornton Fields	TF		#
89359	Tonbridge	TG		#
25200	Tinsley (Sheffield) FP	TI	#	}#
25201	Tinsley (Sheffield) TMD	TI	#	}
03251	Thornton FP	TJ	#	#
77092	Cardiff Tidal Sidings	TL		#
56580	Toton TMD	TO	#	#
66425	Tyseley (Birmingham) TMD	TS	#	#
13550	Tyne Yard	TY		#
87201	Victoria	VI		#
	Vale of Rheidol	VR		#

DEPOT CODES**TOPS****RAVERS**

Location Depot

Code locos PRS

Number(TOPS)

36711	Warrington	WA			#
72111+	Wembley InterCity Depot	WB	#	#	#
87211	Waterloo & City	WC		#	#
87252+	Wimbledon EMD	WD	#	#	#
18053	Wakefield	WF			#
10042	Workington	WK		#	#
72271	Willesden TMD	WN	#	#	#
86033	Woking	WO			#
73425	West Ruislip	WR			#
26228	Worksop	WS			#
82099	Westbury SD	WY	#		#
(89773	Beever *** training *****	XB	#)		
(89769	Beever CMD ** training **	XB		#)	
16411	York Clifton CARMD	YC		#	#
16412	York	YK			#

Level 5/6 Depot/Works Codes

57421	Derby RTC	ZA	#	#	
	Hamilton Steel	ZA			#
23419+	Doncaster RFS	ZB	#	#	#
42121+	Crewe	ZC	#		#
57442	Derby Litchurch Lane BREL	ZD		#	#
57401+	Derby BRML	ZE	#		#
23420+	Doncaster BRML	ZF	#	#	#
86092+	Eastleigh	ZG	#	#	#
06506+	Glasgow (Springburn)	ZH	#	#	#
30302	Horwich	ZJ			#
77223	Allied Steel & Wire, Cardiff	ZK			#
78418	Cardiff Cathays L5	ZL		#	#
46210	Marcrofts	ZM			#
70211	Wolverton BREL	ZN	#	#	#
78407	Powell Duffryn	ZP			#
(72980	BR HQ	ZQ		#)	
16429	York BREL	ZR		#	#
15831	Shildon	ZS			#
52200	Temple Mills	ZT			#
87638	Selhurst Repair Shops	ZU	#	#	#
(89777	Walker ** training **	ZW	#	#)	
	Railcar Services	ZW			#

Note

+ Indicates NOT valid as a fuelling location

LOCO CLASSES

Code	Description
03/0	Diesel Shunter 204hp
08/0	Diesel Shunter 350hp, 15/20 mph
08/9	Diesel Shunter 350hp, BPGV line
09/0	Diesel Shunter 350hp, 27 mph
09/1	Diesel Shunter 350HP, 110V
09/2	Diesel Shunter 350HP, 90V
20/0	Diesel EE 1000hp
20/9	Diesel EE 1000hp, PO loco (Hunslet)
26/0	Diesel BRCW/SULZER/CP 1160hp, RA6
26/1	Diesel BRCW/SULZER/CP 1160hp, RA5
31/1	Diesel BRUSH/EE 1470hp
31/4	Diesel BRUSH/EE 1470hp, Dual Heating
33/0	Diesel BRCW/SULZER/CP 1550hp
33/1	Diesel BRCW/SULZER/CP 1550hp, Push Pull
33/2	Diesel BRCW/SULZER/CP 1550hp, Hastings Gauge
37/0	Diesel EE 1750hp
37/2	Diesel EE 1750hp, Air Bke
37/3	Diesel EE 1750hp, HGR Bogie
37/4	Diesel EE 1750hp, ETH & RA5
37/5	Diesel EE 1750hp, RA5
37/7	Diesel EE 1750hp, Ballasted & RA7
37/9	Diesel MIRRLEES/BRUSH or RUSTON/GEC 1800hp
43/0	Diesel Paxman HST 2250hp
47/0	Diesel BRUSH/BR/SULZER 2580hp, Steam Heating
47/2	Diesel BRUSH/BR/SULZER 2580hp, Air Bke
47/3	Diesel BRUSH/BR/SULZER 2580hp, No Boiler
47/4	Diesel BRUSH/BR/SULZER 2580hp, ETH or Dual Heating
47/6	Diesel BRUSH/BR/SULZER 2580hp, 75 mph
47/7	Diesel BRUSH/BR/SULZER 2580hp, Push Pull
47/9	Diesel BRUSH/BR/RUSTON 3300hp
50/0	Diesel EE 2700hp
56/0	Diesel BRUSH/PAXMAN 2400/2800/3250hp
58/0	Diesel BR/RUSTON 3300hp
59/0	Diesel PO – GEN MOTORS 3300hp, 60 mph
59/1	Diesel PO – ARC 3300hp, 75 mph
60/0	Diesel BRUSH 3100hp
62/0	Diesel No More Detail

LOCO CLASSES CONTINUED

Code	Description
73/0	DC Electric BR/EE 1600hp, 80 mph
73/1	DC Electric BR/EE 1600hp, 90 mph
73/2	DC Electric BR/EE 1600hp, 90 mph
81/0	AC Electric BRCW/AEI 3300hp
85/0	AC Electric BR/AEI 3300hp
85/1	AC Electric BR/AEI 3300hp, 75 mph
86/1	AC Electric BR/EE/AEI 4000hp, 100 mph
86/2	AC Electric BR/EE/AEI 4000hp, 100 mph
86/4	AC Electric BR/EE/AEI 3600hp, Anglia 100 mph
86/6	AC Electric BR/EE/AEI 3600hp, 75 mph
87/0	AC Electric BR/GEC 5000hp
87/1	AC Electric BR/GEC 5000hp, Thyristor 100 mph
89/0	AC Electric BRUSH 5745hp
90/0	AC Electric BR/GEC/METRIC 5000hp, Thyristor 110 mph
90/1	AC Electric BR/GEC/METRIC 5000hp, ETH Isolated 75 mph
91/0	AC Electric GEC 6075hp, 140 mph
92/0	AC Electric BRUSH 6702hp, Channel Tunnel 75 mph
93/0	AC Electric No More Detail
97/0	Diesel Departmental RUSTON HORNSBY 100/165hp
97/2	Diesel Departmental BR/SULZER/AEI 1160hp, ex CI 24
97/4	Diesel Departmental BR/SULZER/AEI 2000/2500hp, ex CI 40 & 46
97/7	Diesel Departmental BR Battery Twin, ex EMU
97/8	Diesel Departmental BARCLAY/GARDNER 204hp, ex CI 06
98/2	Steam, STD Gauge Type 2
98/3	Steam, STD Gauge Type 3
98/4	Steam, STD Gauge Type 4
98/5	Steam, STD Gauge Type 5
98/6	Steam, STD Gauge Type 6
98/7	Steam, STD Gauge Type 7
98/8	Steam, STD Gauge Type 8
98/9	Steam, STD Gauge Type 9

RESTRICTED WORKING CODES (RESTWK)

Code	Description
MR	Multiple restrictions. Computer generated to indicate more than one restriction on outputs with space for one code only.

Brakes

AO	Air brake available only (dual braked locomotive)
NR	Dynamic brake defective
VO	Vacuum brake available only (dual braked locomotive)
FF	Brake cylinders isolated, or similar locomotive brake defect. Special arrangements required by Regional Maintenance Controller to move locomotive to repairing location in accordance with Engineering Instruction G19. (Use of this code <u>must</u> be in association with a pre-assignment to the appropriate repairing location).

Power & Auxillary Equipment Defects

BO	Steam heat available only (dual heated locomotive)
EO	Electric heat available only (dual heated locomotive)
M2	Working on two traction motors only
M3	Working on three traction motors only
M4	Working on four traction motors only
M5	Working on five traction motors only
ND	Electric power available only (electro-diesel locomotive)
NE	Diesel power available only (electro - diesel locomotive)
NH	No train heating available (locomotive fitted with train heating)
OE	Working on one engine only

Multiple Control Equipment Defects

MO	To work only in multiple, with a locomotive not similarly restricted
NM	Not to work in multiple (locomotive fitted for multiple working) including class 47/7 locomotives unfit for push/pull services (NB code TC is applicable to A/C electrics fitted with TDM)
TA	TDM equipment defective, push-pull facility inoperative (Class 90)
TB	TDM equipment defective, multiple control inoperative (Class 90)
TC	TDM equipment defective, push-pull and multiple control inoperative (A/C electrics only)

Other Equipment

Code	Description
DM	D.S.D. defective and isolated
DS	D.S.D. inoperative
MD	Speed sensing equipment (for OMO) defective to work only in multiple with a loco not similarly restricted
MU	CI 47 loco with Main Reservoir Pressure adjusted temporarily for haulage of EMU's, using translator wagon (see SD IN NSE/CL47 for further details)
NA	A.W.S. defective and isolated
NS	No slow speed available
NZ	Buzzer Inoperative
OT	Twin-fuel-tank loco, working on 1 tank only
RD	NRP Radio Telephone equipment defective
R1	No.1 end radio telephone not working
R2	No.2 end radio telephone not working
RT	RETB equipment defective
SD	Sanding gear defective
TI	Tapchanger indicator not working
TU	AVI transponder not working

Movement Restrictions

FW	Not to work passenger or high speed freight trains (i.e. classes 1 to 6 inclusive)
HD	Hauled dead Only (Locos only available for hauled movement)
LE	To work light locomotive, or dead-in-tow, for repairs. (Use of this code <u>must</u> be in association with a pre-assignment to the appropriate repairing location).
LW	To work out and back from a locomotive maintenance depot as directed by Regional Maintenance Control with responsibility for the depot
OJ	One journey only to the maintenance location specified by the pre-assignment details
RW	Consult owning Regional Maintenance Controller for authority prior to reach journey. (Only to be applied in exceptional circumstances and where the use of another code is not appropriate)
TR	On test run in revenue – earning service. Consult owning Regional Maintenance Controller for authority before allocating further duties.
1L	To work with No 1 end leading only.
2L	To work with No 2 end leading only

Speed Restrictions

XA	100 mph maximum speed
XB	105 " " "
XC	110 " " "
XD	115 " " "
XE	120 " " "

Where a restriction shows two figures, this indicates a speed restriction: e.g.
45 max speed 45 m.p.h.

NB. Only to be used in 5 m.p.h. intervals between 05 and 95.

OPERATING STATUS CODES (OPRSTA) CONTINUED

Code	Long Form Code and Description
U	STORED U/S Stored in an unserviceable condition. This code can only be entered by the owning Regional Maintenance Control.
W	IN WORKS In BRML Workshops or on a test run from BRML Works, when used with REASOS code TST. This code must only be entered when locomotive is at a BRML location.
X	MTCE/REPAIR Undergoing maintenance or repair at a TMD or on a test run when used with REASOS code TST.
NB 5	The term "BRML Workshops" may also apply to other Level Depots with the ability to report Classified Repairs.

REGULAR MAINTENANCE CODES (RMAINT)

1. Cumulative Work Content Examination

Code	Description
------	-------------

A	A Examination
B	B Examination
C	C Examination
D	D Examination
E	E Examination
F	F Examination
G	G Examination
H	H Examination

(J C.E.M. Repair This shows in a locomotive's maintenance cycle as if it were a cumulative exam but is reported in a similar fashion to classified repairs with relevant work done codes to indicate type of C.E.M. done)

2. Balanced Work Content Examinations (SR-type)

Code	Description
------	-------------

L	L Balanced Examination (A1)
M	M Balanced Examination (A2)
P	P Balanced Examination (A3)
Q	Q Balanced Examination (A4)
R	R Balanced Examination (A5)
S	S Balanced Examination (A6)
T	T Balanced Examination (A7)
U	U Balanced Examination (A8)

3. Balanced Work Content Examinations (new type)

Code	Description
------	-------------

B01	} 'Balanced-B' exams
B02	}
.	}
etc	}

4. Unscheduled Depot Repair

Code	Description
------	-------------

N	Unscheduled repair at a TMD, i.e. No scheduled examination being carried out.
---	--

5. Level 5/6 Workshops/Depot Repairs

Code	Description
------	-------------

J	C.E.M. Repair
K	Classified repair
N	Unclassified repair

1.3 Defects In Service

Code	Description
------	-------------

WSP	Wheelspin/Wheelslip
FRE	Fire on locomotive
ESD	Engine shut down
LOP	Loss of power (complete)
LWP	Low power
NOK	Unusual noise
SML	Unusual smell
VIB	Unusual vibration

CLK	Coolant Leak
FLK	Fuel leak
HWT	Coolant overheating
LWA	Coolant low
OLK	Oil leak

ABI	Air brake defective
ALK	Air leak
AWS	AWS defective
DSD	DSD defective
VBI	Vacuum brake defective

BUZ	Buzzer Eqpt Defective (CL 20 Only)
CCD	Traction controls in cab defective
INS	Instruments defective
BDY	Body defect
RDG	Bad riding
WBK	Window broken

EHD	Electric heating defective
SHD	Steam heating defective
WLK	Boiler water leak

OTD	Other defect
-----	--------------

2. General Reports

Codes in this section may be used as

REASOS or WKDONE except those marked:
r which can only be used as REASOS
w which can only be used as WKDONE

Note: m indicates jobs which it is mandatory to report as Work Done.

Code	Description
------	-------------

XAM	Scheduled examination only.
XA1	Used with regular maintenance code A only – A1 exam
XA2	Used with regular maintenance code A only – A2 exam

2.2 Depot or Works Repairs

Code	Description
------	-------------

Works Overhauls and Repairs

LGT m	Light Overhaul
INT m	Intermediate overhaul
GEN m	General overhaul
HGO m	Heavy General overhaul
WEX r	Works exam prior to unscheduled repair
REC	Rectification after works overhaul or repair
WRX	Recommissioning after works overhaul or repair

DXX	'D' CEM
-----	---------

EXX	'E' CEM
-----	---------

FXX	'F' CEM
-----	---------

GXX	'G' CEM
-----	---------

HXX	'H' CEM
-----	---------

JXX	'J' CEM
-----	---------

LEVEL 4 CEM WORK DONE CODES

D1X

E1X

F1X

G1X

H1X

J1X

LEVEL 5 CEM WORK DONE CODES

DXX

EXX

FXX

GXX

HXX

JXX

D2X

E2X

F2X

G2X

H2X

J2X

BLR

MCH

7YR

Code	Description
------	-------------

Depot or Works Repairs

ATR	r	Awaiting test run
BBL	m	Brake blocking
BCH		Bogie changed, other than at scheduled examination
BCL		Bogie cleaning, other than at scheduled exam
BEX		Boiler examination by Inspector
BWO		Boiler washout, other than at scheduled exam
COL		Inspection or repairs following collision
DEC	r	Waiting shopping decision (to be made by EXPTIM)
DRL		Inspection or repairs following derailment
DVT		On DVT trials
DWT		Inspection or repairs following dewirement
FTL		Inspection or repairs following fatality
LBT		Load bank test
OAX		Inspection or repairs following other mishap
OCR		Lubricating oil change
PCB		Attention to PCB-containing capacitors
PCD		Pantograph head or carbon damage
PHC		Pantograph head change, normal wear
PNT		Painting
SPT	r	Special tests
TDM		TDM equipment failure/mods/trials
TST	r	Test run (non-revenue) after repair
UAT	m	Ultrasonic axle testing
VNR		Inspection or repairs following vandalism
WTR	m	Tyre turning
XXX	w	Only to be used when no work done.

2.3 Withdrawals

Code	Description
------	-------------

ONE	m	Wear and tear
TWO	m	Damage
FRE	m	Fire
FOR	m	Written off
FYV	m	Transferred to service department use

3. Components

Codes in this section can be used as REASOS or WKDONE except those marked :

r which may only be used as REASOS

w which may only be used as WKDONE

Code	Description
Engine	
100	Repairs to engines
110	Crankcase, block, crankshaft and sump
111	Cylinder liners and seals
112	Pistons, piston rings, gudgeon pins and connecting rods
120	Cylinder heads, including gaskets and seals
121	Valves and rocker gear
123	Cams, camshafts and timing gear
130	Inlet systems, including gaskets
131	Exhaust system, including gaskets
132	Pressure/turbocharger
140	Speed control valves, throttle motors etc. including pipework, linkage etc.
141	Governor and fuel pump linkage, including drive
142	Overspeed and underspeed units
150	Fuel pumps
151	Injectors, including combined pump/injectors
152	HP fuel pipes
160	LP fuel system, tank and valves
161	Fuel hoses, pipes and joints
162	Fuel gauges
163	Fuel filters and strainers
170	Lubricating oil system components
171	Lubricating oil pipework, joints and hoses
172 r	Low or contaminated oil
173 r	Low oil pressure
174	Lubricating oil filter and strainers
180	Radiator panels, shutter and fan
181	Heat Exchanger for lubricating oil
182	Charge air intercooler
183	Engine driven coolant pumps
184	Coolant pipework, valves and joints
185	Coolant hoses, flexible pipes and clips
186 r	Low or contaminated coolant
187 r	Low coolant pressure, overheating
188	Radiator Fan drive (Mech)
190	Hydrostatic pipework
191	Hydrostatic control pump and motor

Code	Description
Mechanical and Hydraulic Transmission	
200	Mechanical and hydraulic transmission
210	Hydraulic transmission torque convertors
220	Mechanical drive shafts and couplings
230	Mechanical change speed gearboxes
240	Intermediate and final drive gearboxes
250	Fluid couplings
251	Free wheels
260	Auxiliary drives and drive units
261	Belt drives
270	Cranks and side rods
Brakes	
300	Braking system
310	Air brake system pipework, reservoirs, auto-drain valves and safety valves
311	Air brake hoses
312	Air brake controllers and drivers brake valves, including feed valves, isolating cocks etc.
313	Triple valves and distributors
314	Application and holding valves, including associated contractors
315	EP and electronic brake control equipment
316	Air brake cylinders including automatic slack adjusters
317	Other air brake components
318	Wheelside protection
320	Vacuum brake system pipework and reservoirs
321	Vacuum brake hoses
322	Vacuum brake controllers and brake valves
323	Combined vacuum/air valve
324	Vacuum brake cylinder
325	Other vacuum brake components
330	Drivers safety device, vigilance control
340	Gauges, air and vacuum
350	Rigging, including brakeblocks and disc pads
351	Parking brake
360	Interface equipment with dynamic brake
370	Filter, strainers, dirt collectors, including those combined with check valves
380	Passenger Alarm Systems/Valves/Gear

Code	Description
Brakes cont	
390	AWS equipment
391	Tripcock
392	AWS wrong side failure tested, no fault found
393	Track Circuit Assister Defective
399 w	Brake defect – reason not ascertained
Machines	
400	Machines
410	Main generator or alternator
411	Main generator flashover
412	Booster set
420	Traction motors (except when identifiable within codes 421–424)
421	Traction motor flashover
422	Traction motor armature, including bearings
423	Traction motor carcass fields and wiring
424	Traction motor suspension bearings, gears, gearcases and flexible drives.
430	Exhauster
435	Main or auxiliary compressor
440	Engine or axle driven generators and exciters
441	Motor generator sets, convertors (not AWS) and exciters
442	Train heating generator or alternator
450	Blower, cooling and radiator fan sets
460	Combined/triple pump sets
461	Fuel transfer pump
462	Water pump
463	Transformer, thyristor and choke oil pumps
464	Lubricating oil priming pump
470	Starter motors, dyno starters

Electrical Power and Control Equipment

500	Electrical power and control equipment
510	Batteries – repairs or renewal
511	Batteries – recharged from flat
512	Battery charger
513	Automatic voltage regulator – all types
520	Power contactors, including TM weak field (except interlocks and EP valves)
521	Auxiliary contactors, including other field contactors (except interlocks and EP valves).
522	Camshafts, camgroups and drum switches (except interlocks and EP valves).
523	Reversers (except interlocks and EP valves)
524	Control relays
525	Interlocks, including those on contactors and camshafts etc
526	Protection relays (excluding correct operation due to fault)
527	Master controllers
528	Pressure switches, including air and vacuum governors
529	Fuses and MCB's
530	Switches and pushbuttons
531	Wheelspin/Wheelslip control system
532	Slow speed control system
533	Warning lights or flags and instruments (except speedometer and brake gauges)
534	Other low tension control equipment
535	Resistors – main starting, tapping and braking
536	Resistors – auxiliary and control
537	Potentiometers
538	Load regulator – electro-mechanical only
550	Main rectifier/thyristors
551	Main rectifier cooling system
552	Rectifier auxiliaries (excluding machines)
553	Auxiliary rectifiers and transformers
554	Surge suppression equipment
555	Main smoothing chokes
560	Power cables and connections
561	Control cables and connections
562	Jumper cables, plugs and receptacles (except for electric train heating)
563	Conduit, cable ducts, connection boxes

Code	Description
Electrical Power and Control Equipment cont	
570	Control air system
571	EP valves (excluding brake valves)
580	Load regulator – electronics only
581	Other electronic equipment
585	Static Invertors
587	Micro processor equipment
589	TDM System (Not Jumpers)
590	Lighting
591	FDM equipment
597	Data Recorders
598	Test Equipment
599 w	Loss of power – reason not ascertained.

Body, Bogle and Underframe

600	Body, bogies and underframes
610	Axleboxes, including hot axle journals
612	Wheels, tyres and axles
614	Frames, including centre castings, safety brackets, bolster plank and swing links
616	Springs and hangers
617	Dampers
618	Earthing leads, bonds and bushes
619	Air Suspension (inc bags, reservoirs, valves, etc).
620 w	Rough riding, reason not ascertained
630	Sanding equipment
640	Door Interlocks (Traction)
642	Doorgear other
644	Doorgear Interlocks
649	Power door gear fault—cause not ascertained
650	Body framing and panelling, including roof
651	Bodyside filters
652	Doors and locks
653	Route/destination indicator
654	Whistles, horns and associated valves
655	Windows
656	Window wipers and washers
657	Bells and intercom systems
658	RETB Equipment
659	Radio telephone
670	Buffers and drawgear
680	Speedometer equipment
690	Other body fittings

Code	Description
Emergency and Fire Protection Equipment	
700	Emergency and fire protection equipment
710	Emergency equipment
720	Fire protection equipment
Heating Equipment	
800	Heating system
810	Boiler – Clayton – Steam/water/fuel equipment
811	Boiler – Clayton – electric equipment
812	Boiler – Spanner – Steam/water/fuel equipment
813	Boiler – Spanner – electrical equipment
814	Boiler – Stone–Vapor – Steam/water/fuel equipment
815	Boiler – Stone–Vapor – electrical equipment
816	Other steam heating fittings
820	ETH jumper plugs, receptacles and cables
821	ETH control gear
840	Cab heating, including demisters and air conditioning
899 w	Loss of heating – reason not ascertained

Supply Equipment (Electric Locos)

900	Supply equipment – electric stock only
910	Pantograph
911	Other roof mounted equipment
912	Auto Dropping device
920	Shoegear
921	Power and shoe fuses, including traction power isolating switches, links and fuseboxes
930	Air blast or vacuum circuit breaker
940	High tension cable and sealing ends
950	Voltage detection, selection and changeover gear
960	Automatic power control equipment
970	Main transformer, including oil radiator and pipework

TRAIN HEAT CODES (TNHEAT)

Code	Description
0	Not fitted for train heating
A	Steam – steam loco
B	Steam : Clayton boiler
C	Steam : Stones boiler
D	Steam : Spanner boiler Mk III
*E	ETH : DC, 800 volts or over
F	ETH : AC, may be used to heat any stock except SR Mk I stock
G	ETH : AC, may be used to heat any stock except SR Mk I, BR air-cond Mk 2D, 2E, 2F & 3A stock
=H	ETH : DC, below 800 volts
*L	Dual – Spanner boiler Mk.1 + DC, 800V or over
*M	Dual : Spanner boiler Mk III + DC, 800 volts or over
*N	Dual : Stones boiler Mk III + DC, 800 volts or over
P	ETH : DC, 750 volts, may only be used to heat Mk I (inc SR) & Mk 2A, 2B, & 2C stock
R	ETH : As P, but with interlock cut-out switch, currently being converted to type P
T	HST 415V 3-phase
U	ETH isolated
X	Steam : Boiler isolated
*Y	Dual : Boiler isolated + DC, 800 volts or over
Z	Dual : Boiler isolated + DC, under 800 volts
*	May be used to heat any ETH stock except SR Mk I and LMR Pullman stock
=	May be used to heat any ETH stock except SR Mk I, LMR Pullman, LMR Mk 2D and all Mk 2E stock

Note

- 1 LMR Pullman stock accepts only AC ETH
- 2 SR MK I stock heaters cannot accept over 750 volts
- 3 LMR Mk 2D and all Mk 2E stock have MA sets which overheat if the voltage falls below 800 volts
- 4 MA Sets on air-conditioned stock are liable to heavy flashover if supplied from class 81–85 locos

BRAKE CODES (LOCOMOTIVES)

Train Brake (TRNBKE)

Code	Description
A	Equipped for braking Air Braked trains only
O	Not fitted for train braking
V	Equipped for braking Vacuum Braked trains only
X	Equipped for braking both Air and Vacuum braked trains

Locomotive Brake (LOCBKE)

Code	Description
A	Straight air brake only
G	Fitted with Emergency Application valve for Guards use when working in multiple
H	Fitted with Rheostatic brake
P	Fitted with Electro Pneumatic Control
Q	Fitted with EQ brake
R	Fitted with Rheostatic and Regenerating brakes
S	Fitted with Steam brake
T	Fitted with modified proportionality (also known as modified triple valve)
W	Fitted with vacuum brake

MULTIPLE CONTROL CODES (MTPCTL)

Code	Description
0	Not fitted with multiple control
1	Blue star
2	Orange Square Class 50 Locos Only
3	Class 60 Locos Only
4	Red Circle
5	Time Division Multiplex (TDM)
6	Time Division Multiplex (TDM) + 36-way jumper
7	Class 59 Locos Only
8	A.C. Electric Locos & 36-way jumper
9	Class 56 & 58 Locos Only

REGIONAL CODES (REGCDE)

Code	Description
1	Eastern Region
2	London Midland Region
3	Scottish Region
4	Southern Region
5	Western Region
8	Anglia Region
9	BRB HQ & Miscellaneous

SPECIAL CHARACTERISTICS CODES (SPLCHA)

Code	Description
B	Cab-to-shore radio
C	Refurbished cab
D	Fitted with Driver/Guard communications apparatus
E	Fitted with Automatic Train Protection (ATP)
G	Constructed to Burry Port and Gwendraeth Valley Gauge
H	High Speed Train (HST) Power Car or Diesel Parcels Unit
P	Fitted with Push and Pull Operation
Q	Fitted with Bells and Flashing Headlights for working on Weymouth Quay
S	Fitted with Slow Speed Control
T	Fitted with AVI transponder coded to loco no.
X	Extra Fuel Capacity

RADIO TELEPHONE CODES (RADTEL)

Code	Description
0	Not fitted with Radio or Telephone
1	Shunting locomotive fitted with Radio Telephone to communicate with control tower or other point in yard
2	Main line locomotive fitted with train telephone to communicate with guard of passenger train
3	Locomotives fitted with Radio Electronic Tokenless Block
4	Locomotives fitted with driver-guard communication equipment.

VEHICLE LIVERY CODE

VEHICLE LIVERY (Locomotives or Coaching Stock)	CODE
BR Blue	BB
Chocolate & Cream (OLD GWR)	CC
DCE Grey With Yellow Band	CE
EPS (Channel Tunnel)	CT
Freight Construction Brush Painted	FA
Freight Construction Spray Painted	FB
Freight Coal Brush Painted	FE
Freight Coal Spray Painted	FF
Freight Distribution Brush Painted	FG
Freight Distribution Spray Painted	FH
Freight Metals Brush Painted	FM
Freight Metals Spray Painted	FN
Freight Original	FO
Freight Petroleum Brush Painted	FP
Freight Petroleum Spray Painted	FQ
InterCity	IC
InterCity Maroon	IM
InterCity Pullman	IP
BR Blue/Grey	IS
InterCity Tourist	IT
InterCity Swallow	IW
Mainline	ML
NSE Airliner	NA
NSE Dark Blue Angled Upsweeps	NB
NSE Light Blue Radiused Upsweeps	NC
NSE Light Blue Angled Upsweeps	ND
NSE 'Jaffa'	NL
NSE Dark Blue Radiused Upsweeps	NW
NSE Standard	NZ
Provincial Blue	PB
Provincial Centro	PC
Provincial Express	PE
Provincial Strathclyde	PG
Provincial Manchester	PM
Provincial Network NorthWest	PN
Private Owner	PO
Trans-Pennine	PP
Scotrail	PS
Provincial West Yorks	PY
Plain Blue	RB
Exhibition	RE
Parcels	RL
MerseyTravel	RM
Royal Mail	RR
Regional Railways Triple Stripe	RS
Rail Express Systems	RX
Special	XX
General Grey	ZG
Standard	ZZ

NOTES

Special Reminders for Depot Staff TOPS can only work successfully if the latest information on every locomotive is reported promptly and accurately every time changes occur.

Here are just a few examples of the sort of information which must be reported:

To your local AFC:

- (a) Locomotive arriving on depot.
- (b) Locomotives leaving your depot.
- (c) Locomotives fuelled at your depot.
- (d) Locomotives given as 'A' Exam at your depot (unless local arrangements require direct input – see below)

To your local AFC or direct to TOPS if you have your own online terminal:

- (a) Locomotives receiving major examination and/or repair at your depot.
- (b) Changes in the Operating Status/Regular Maintenance /Reason out of Service codes applied to a locomotive at your depot.
- (c) Updates to times that unservicable locomotives are again expected servicable.
- (d) Locomotives released from maintenance/repair with coded details of the significant work done.

To the Rolling Stock Library, RTC Derby:

- (a) Changes of Brake Type, Speeds, Weights
- (b) Livery Changes
- (c) Special Characteristic Changes.