

Mark 4 Coaches and Driving Van Trailers (DVTs)

A total of 282 Mark 4 coaches and 32 Driving Van Trailers (DVTs) were built by Metro-Cammell at Washwood Heath from 1989 until 1992. They were specifically designed for use in the InterCity 225 sets and have spent most of their lives working with Class 91 locomotives along the East Coast Mainline (ECML).

The fatal accidents at Hatfield in 2000 and Great Heck in 2001 led to 11 coaches and one DVT being scrapped. All the remaining coaches were refurbished by Bombardier at Wakefield between 2003 and 2005, including new seats, carpets, lighting, plug sockets, Wi-Fi and various features to improve access for people with disabilities. They were further refreshed in 2016 with new seat covers (fabric in standard class, leather in first class), carpets, lighting and audible warnings for the release of the external doors. In 2018, the coaches were fitted with new colour-light seat reservation systems, including sensors, to make it easier for customers to find their seats and see availability. Several also received electronic customer information screens to comply with regulations relating to Persons with Reduced Mobility (PRM).

Many vehicles were scrapped after they were displaced from ECML services by Hitachi AT300 trains during 2019 and 2020. A small number of sets remain on the ECML while some vehicles have been cascaded to Transport for Wales (including 20 coaches that were refurbished by Grand Central in 2020 for a proposed service between Blackpool and London that was abandoned due to COVID-19). There are seven different types of passenger vehicle in the fleet, which are as follows:

- **Kitchen Standard Buffet (RSB)** – these coaches provide the catering on an InterCity 225. At one end, they have 30 standard class seats arranged 2+2 across a centre aisle in a mixture of airline style and groups of four around tables. At the other end, they have a café bar, kitchen and space to park a catering trolley. They have one retention toilet, but unlike the other coaches they don't have plug sockets at seats due to the high power usage of the catering equipment.
- **First Open (FO)** – first class coaches with 41 seats plus a dedicated area for staff use. The seats are arranged 2+1 across an aisle and are a mixture of individual airline style and groups of two or four facing (all with fixed tables). Of these coaches, 21 were rebuilt from TSOs between 2003 and 2005. They have one retention toilet.
- **First Open with Disabled Access (FOD)** – first class coaches with 42 seats arranged 2+1 across an aisle in a mixture of individual airline style and groups of two or four facing (all with fixed tables). All were rebuilt from FOs between 2003 and 2005. They have one accessible retention toilet and either one or two wheelchair spaces.
- **First Open (FO)** – first class coaches with 46 seats arranged 2+1 across an aisle in a mixture of individual airline style and groups of two or four facing (all with fixed tables). Of these coaches, 30 were rebuilt from FOs and two were rebuilt from RSBs between 2003 and 2005. They have one retention toilet.
- **Standard Open End (SOE)** – standard class coaches that were designed to operate next to a locomotive and only have a corridor connection at one end. They have 76 seats arranged 2+2 across a centre aisle in a mixture of airline style and groups of four around tables. They have one retention toilet.
- **Standard Open with Disabled Access (SOD)** – standard class coaches with 68 seats arranged 2+2 across a centre aisle in a mixture of airline style and groups of four around tables. They have one accessible retention toilet and two wheelchair spaces. One coach was rebuilt from a TSO between 2003 and 2005.
- **Standard Open (SO)** – standard class coaches with 76 seats arranged 2+2 across a centre aisle in a mixture of airline style and groups of four around tables. They have one retention toilet.

The **DVTs** allow drivers to operate a locomotive in push-pull formation from the opposite end of the train. The design is based on the Class 91 locomotives and they have a full width cab, a luggage compartment (including space for bicycles) and a train manager's office.

The following tables contain information about each vehicle, including their current status.

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Kitchen Standard Buffet (RSB)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
10300		Operational	LC	E	LN	NL
10301		Operational	TB	TW	TW	CP
10302		Scrapped	-	-	-	-
10303		Scrapped	-	-	-	-
10304		Scrapped	-	-	-	-
10305		Stored pending return to service	VE	TW	-	BK
10306		Operational	LC	E	LN	NL
10307		Scrapped	-	-	-	-
10308		Scrapped	-	-	-	-
10309		Operational	LC	E	LN	NL
10310		Scrapped	-	-	-	-
10311		Operational	LC	E	LN	NL
10312		Operational	VR	TW	TW	CP
10313		Operational	LC	E	LN	NL
10315		Operational	LC	E	LN	NL
10317		Scrapped	-	-	-	-
10318		Operational	TB	TW	TW	CP
10319		Scrapped	-	-	-	-
10320		Scrapped	-	-	-	-
10321		Operational	TB	TW	TW	CP
10322		Scrapped	-	-	-	-
10323		Scrapped	-	-	-	-
10324		Operational	LC	E	LN	NL
10325		Operational	VR	TW	TW	CP
10326		Scrapped	-	-	-	-
10327		Scrapped	-	-	-	-
10328		Operational	VR	TW	TW	CP
10329		Scrapped	-	-	-	-

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
10330		Operational	TB	TW	TW	CP
10331		Scrapped	-	-	-	-
10332		Scrapped	-	-	-	-
10333		Operational	LC	E	LN	NL

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



First Open (FO)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11201		Scrapped	-	-	-	-
11213		Scrapped	-	-	-	-
11219		Scrapped	-	-	-	-
11224		Scrapped	-	-	-	-
11229		Operational	LC	E	LN	NL
11237		Scrapped	-	-	-	-
11241		Scrapped	-	-	-	-
11244		Scrapped	-	-	-	-
11273		Scrapped	-	-	-	-
11277	12408	Scrapped	-	-	-	-
11278	12479	Scrapped	-	-	-	-
11279	12521	Operational	LC	E	LN	NL
11280	12523	Scrapped	-	-	-	-
11281	12418	Scrapped	-	-	-	-
11282	12524	Scrapped	-	-	-	-
11283	12435	Scrapped	-	-	-	-
11284	12487	Operational	LC	E	LN	NL
11285	12537	Operational	LC	E	LN	NL
11286	12482	Operational	LC	E	LN	NL
11287	12527	Scrapped	-	-	-	-
11288	12517	Operational	LC	E	LN	NL
11289	12528	Scrapped	-	-	-	-
11290	12530	Scrapped	-	-	-	-
11291	12535	Scrapped	-	-	-	-
11292	12451	Scrapped	-	-	-	-
11293	12536	Scrapped	-	-	-	-
11294	12529	Scrapped	-	-	-	-
11295	12475	Operational	LC	E	LN	NL
11298	12416	Scrapped	-	-	-	-

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11299	12532	Scrapped	-	-	-	-

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Mark 4 Coaches and Driving Van Trailers (DVTs)



First Open with Disabled Access (FOD)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11301	11215	Scrapped	-	-	-	-
11302	11203	Scrapped	-	-	-	-
11303	11211	Scrapped	-	-	-	-
11304	11257	Scrapped	-	-	-	-
11305	11261	Scrapped	-	-	-	-
11306	11276	Operational	LC	E	LN	NL
11307	11217	Scrapped	-	-	-	-
11308	11263	Operational	LC	E	LN	NL
11309	11259	Scrapped	-	-	-	-
11310	11272	Scrapped	-	-	-	-
11311	11221	Scrapped	-	-	-	-
11312	11225	Operational	LC	E	LN	NL
11313	11210	Operational	LC	E	LN	NL
11314	11207	Scrapped	-	-	-	-
11315	11238	Operational	LC	E	LN	NL
11316	11227	Stored pending return to service	VE	TW	-	BK
11317	11223	Operational	LC	E	LN	NL
11318	11251	Operational	LC	E	LN	NL
11319	11247	Operational	TB	TW	TW	CP
11320	11255	Operational	TB	TW	TW	CP
11321	11245	Operational	TB	TW	TW	CP
11322	11228	Operational	TB	TW	TW	CP
11323	11235	Operational	VR	TW	TW	CP
11324	11253	Operational	VR	TW	TW	CP
11325	11231	Operational	VR	TW	TW	CP
11326	11206	Operational	LC	E	LN	NL
11327	11236	Scrapped	-	-	-	-
11328	11274	Scrapped	-	-	-	-

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11329	11243	Scrapped	-	-	-	-
11330	11249	Scrapped	-	-	-	-

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



First Open (FO)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11401	11214	Scrapped	-	-	-	-
11402	11216	Scrapped	-	-	-	-
11403	11258	Scrapped	-	-	-	-
11404	11202	Scrapped	-	-	-	-
11405	11204	Scrapped	-	-	-	-
11406	11205	Operational	LC	E	LN	NL
11407	11256	Scrapped	-	-	-	-
11408	11218	Operational	LC	E	LN	NL
11409	11262	Scrapped	-	-	-	-
11410	11260	Scrapped	-	-	-	-
11411	11240	Scrapped	-	-	-	-
11412	11209	Operational	LC	E	LN	NL
11413	11212	Operational	LC	E	LN	NL
11414	11246	Scrapped	-	-	-	-
11415	11208	Operational	LC	E	LN	NL
11416	11254	Operational	LC	E	LN	NL
11417	11226	Operational	LC	E	LN	NL
11418	11222	Operational	LC	E	LN	NL
11419	11250	Scrapped	-	-	-	-
11420	11242	Scrapped	-	-	-	-
11421	11220	Scrapped	-	-	-	-
11422	11232	Scrapped	-	-	-	-
11423	11230	Scrapped	-	-	-	-
11424	11239	Scrapped	-	-	-	-
11425	11234	Scrapped	-	-	-	-
11426	11252	Operational	LC	E	LN	NL
11427	11200	Scrapped	-	-	-	-
11428	11233	Scrapped	-	-	-	-
11429	11275	Scrapped	-	-	-	-

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
11430	11248	Scrapped	-	-	-	-
11998	10314	Scrapped	-	-	-	-
11999	10316	Scrapped	-	-	-	-

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Mark 4 Coaches and Driving Van Trailers (DVTs)



Standard Open End (SOE)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12200		Scrapped	-	-	-	-
12201		Scrapped	-	-	-	-
12202		Scrapped	-	-	-	-
12203		Scrapped	-	-	-	-
12204		Scrapped	-	-	-	-
12205		Operational	LC	E	LN	NL
12206		Scrapped	-	-	-	-
12207		Scrapped	-	-	-	-
12208		Operational	LC	E	LN	NL
12209		Scrapped	-	-	-	-
12210		Operational	TB	TW	TW	CP
12211		Operational	TB	TW	TW	CP
12212		Operational	LC	E	LN	NL
12213		Operational	LC	E	LN	NL
12214		Operational	LC	E	LN	NL
12215		Stored pending return to service	VE	TW	-	LE
12216		Scrapped	-	-	-	-
12217		Operational	VR	TW	TW	CP
12218		Scrapped	-	-	-	-
12219		Operational	VR	TW	TW	CP
12220		Operational	LC	E	LN	NL
12222		Operational	TB	TW	TW	CP
12223		Operational	LC	E	LN	NL
12224		Operational	TB	TW	TW	CP
12225		Operational	VR	TW	TW	CP
12226		Operational	LC	E	LN	NL
12227		Scrapped	-	-	-	-
12228		Operational	LC	E	LN	NL

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12229		Scrapped	-	-	-	-
12230		Static, Training Vehicle	VE	NR	-	YK (ROC)
12231		Scrapped	-	-	-	-
12232		Scrapped	-	-	-	-

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Mark 4 Coaches and Driving Van Trailers (DVTs)



Standard Open with Disabled Access (SOD)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12300		Scrapped	-	-	-	-
12301		Scrapped	-	-	-	-
12302		Scrapped	-	-	-	-
12303		Operational	LC	E	LN	NL
12304		Operational	VR	TW	TW	CP
12305		Scrapped	-	-	-	-
12306		Scrapped	-	-	-	-
12307		Scrapped	-	-	-	-
12308		Stored pending return to service	VE	TW	-	BK
12309		Operational	LC	E	LN	NL
12310		Operational	TB	TW	TW	CP
12311		Operational	LC	E	LN	NL
12312		Operational	LC	E	LN	NL
12313		Operational	LC	E	LN	NL
12314		Scrapped	-	-	-	-
12315		Operational	VR	TW	TW	CP
12316		Operational	TB	TW	TW	CP
12317		Scrapped	-	-	-	-
12318		Scrapped	-	-	-	-
12319		Scrapped	-	-	-	-
12320		Scrapped	-	-	-	-
12321		Scrapped	-	-	-	-
12322		Scrapped	-	-	-	-
12323		Operational	TB	TW	TW	CP
12324		Operational	VR	TW	TW	CP
12325		Operational	LC	E	LN	NL
12326		Operational	TB	TW	TW	CP
12327		Scrapped	-	-	-	-

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12328		Operational	LC	E	LN	NL
12329		Scrapped	-	-	-	-
12330		Operational	LC	E	LN	NL
12331	12531	Scrapped	-	-	-	-

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Standard Open (SO)

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12400		Scrapped	-	-	-	-
12401		Scrapped	-	-	-	-
12402		Scrapped	-	-	-	-
12403		Scrapped	-	-	-	-
12404		Operational	LC	E	LN	NL
12405		Scrapped	-	-	-	-
12406		Operational	LC	E	LN	NL
12407		Operational	LC	E	LN	NL
12409		Operational	LC	E	LN	NL
12410		Scrapped	-	-	-	-
12411		Scrapped	-	-	-	-
12412		Scrapped	-	-	-	-
12413		Scrapped	-	-	-	-
12414		Scrapped	-	-	-	-
12415		Static, Training Vehicle	VE	FS	-	MM
12417		Static, Training Vehicle	VE	FS	-	MM
12419		Scrapped	-	-	-	-
12420		Operational	LC	E	LN	NL
12421		Scrapped	-	-	-	-
12422		Operational	LC	E	LN	NL
12423		Scrapped	-	-	-	-
12424		Operational	LC	E	LN	NL
12425		Scrapped	-	-	-	-
12426		Operational	LC	E	LN	NL
12427		Operational	LC	E	LN	NL
12428		Operational	LC	E	LN	NL
12429		Operational	LC	E	LN	NL

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12430		Operational	LC	E	LN	NL
12431		Operational	LC	E	LN	NL
12432		Operational	LC	E	LN	NL
12433		Operational	LC	E	LN	NL
12434		Operational	TB	TW	TW	CP
12436		Scrapped	-	-	-	-
12437		Scrapped	-	-	-	-
12438		Scrapped	-	-	-	-
12439		Scrapped	-	-	-	-
12440		Scrapped	-	-	-	-
12441		Scrapped	-	-	-	-
12442		Operational	LC	E	LN	NL
12443		Static, Training Vehicle	VE	FS	-	MM
12444		Operational	LC	E	LN	NL
12445		Scrapped	-	-	-	-
12446		Operational	VR	TW	TW	CP
12447		Operational	VR	TW	TW	CP
12448		Scrapped	-	-	-	-
12449		Scrapped	-	-	-	-
12450		Scrapped	-	-	-	-
12452		Operational	TB	TW	TW	CP
12453		Scrapped	-	-	-	-
12454		Operational	VR	TW	TW	CP
12455		Scrapped	-	-	-	-
12456		Scrapped	-	-	-	-
12457		Scrapped	-	-	-	-
12458		Scrapped	-	-	-	-
12459		Scrapped	-	-	-	-

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12460		Scrapped	-	-	-	-
12461		Operational	TB	TW	TW	CP
12462		Scrapped	-	-	-	-
12463		Scrapped	-	-	-	-
12464		Scrapped	-	-	-	-
12465		Operational	LC	E	LN	NL
12466		Scrapped	-	-	-	-
12467		Operational	LC	E	LN	NL
12468		Static, Training Vehicle	VE	NR	-	YK (ROC)
12469		Operational	LC	E	LN	NL
12470		Scrapped	-	-	-	-
12471		Scrapped	-	-	-	-
12472		Scrapped	-	-	-	-
12473		Scrapped	-	-	-	-
12474		Operational	LC	E	LN	NL
12476		Scrapped	-	-	-	-
12477		Operational	TB	TW	TW	CP
12478		Scrapped	-	-	-	-
12480		Scrapped	-	-	-	-
12481		Operational	LC	E	LN	NL
12483		Scrapped	-	-	-	-
12484		Scrapped	-	-	-	-
12485		Operational	LC	E	LN	NL
12486		Scrapped	-	-	-	-
12488		Scrapped	-	-	-	-
12489		Scrapped	-	-	-	-
12513		Scrapped	-	-	-	-
12514		Scrapped	-	-	-	-
12515		Operational	LC	E	LN	NL

Number	Former Number	Status	Livery	Owner	Operator	Depot / Location
12516		Scrapped	-	-	-	-
12518		Scrapped	-	-	-	-
12519		Scrapped	-	-	-	-
12520		Scrapped	-	-	-	-
12522		Scrapped	-	-	-	-
12525		Scrapped	-	-	-	-
12526		Stored pending return to service	VE	TW	-	BK
12533		Scrapped	-	-	-	-
12534		Scrapped	-	-	-	-
12538		Scrapped	-	-	-	-

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Driving Van Trailers (DVTs)

Number	Status	Livery	Owner	Operator	Depot / Location
82200	Operational	TB	TW	TW	CP
82201	Operational	TB	TW	TW	CP
82202	Scrapped	-	-	-	-
82203	Scrapped	-	-	-	-
82204	Stored pending return to service	VE un-branded	TW	-	LE
82205	Operational	LC	E	LN	NL
82206	Scrapped	-	-	-	-
82207	Scrapped	-	-	-	-
82208	Operational	LC	E	LN	NL
82209	Scrapped	-	-	-	-
82210	Operational, Barrier/Translator Vehicle	VE un-branded	HN	HN	WS
82211	Operational	LC	E	LN	NL
82212	Operational	LC	E	LN	NL
82213	Operational	LC	E	LN	NL
82214	Operational	LC	E	LN	NL
82215	Scrapped	-	-	-	-
82216	Operational	TR	TW	TW	CP
82217	Scrapped	-	-	-	-
82218	Operational, Barrier/Translator Vehicle	VE	HN	HN	WS
82219	Scrapped	-	-	-	-
82220	Stored pending return to service	VE	TW	-	LE
82221	Scrapped	-	-	-	-
82222	Operational	LC	E	LN	NL
82223	Operational	LC	E	LN	NL
82224	Scrapped	-	-	-	-

Number	Status	Livery	Owner	Operator	Depot / Location
82225	Operational	LC	E	LN	NL
82226	Operational	TR	TW	TW	CP
82227	Operational	TB	TW	TW	CP
82228	Scrapped	-	-	-	-
82229	Operational	TR	TW	TW	CP
82230	Operational	TB	TW	TW	CP
82231	Scrapped	-	-	-	-

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Normal Set Formations – London North Eastern Railway (LNER)

LNER normally operates Mark 4 coaches and DVTs in fixed ‘push-pull’ formations with Class 91 electric locomotives positioned next to the SOE (coach B). These fixed formations are in the table below. There are also a small number of spare vehicles.

Set	SOE, Coach B	SO, Coach C	SO, Coach D	SO, Coach E	SOD, Coach F	RSB, Coach H	FO, Coach K	FOD, Coach L	FO, Coach M	DVT
NL06	12208	12406	12420	12422	12313	10309	11279	11306	11406	82208
NL08	12205	12481	12485	12407	12328	10300	11229	11308	11408	82211
NL12	12212	12431	12404	12426	12330	10333	11284	11312	11412	82212
NL13	12228	12469	12430	12424	12311	10313	11285	11313	11413	82213
NL15	12226	12442	12409	12515	12309	10306	11286	11315	11415	82214
NL16	12213	12428	12433	12467	12312	10315	11418	11318	11416	82222
NL17	12223	12444	12427	12432	12303	10324	11288	11317	11417	82225
NL26	12220	12474	12465	12429	12325	10311	11295	11326	11426	82223

Spare Vehicles – 12214 and 82205

Normal Set Formations – Transport for Wales (TfW)

TfW normally operates Mark 4 coaches and DVTs in fixed ‘push-pull’ formations with Class 67 diesel locomotives positioned next to the SOE. These formations are in the table below. There are also a small number of spare vehicles.

Set	SOE	SOD	RSB	FOD	SO	DVT
HD01	12225	12315	10325	11323	12454	82226
HD02	12219	12304	10328	11324	12447	82229
HD03	12217	12324	10312	11325	12446	82216
HD04	12211	12310	10318	11319	12434	82201
HD05	12224	12326	10321	11320	12477	82200
HD06	12222	12323	10330	11321	12461	82227
HD07	12210	12316	10301	11322	12452	82230

Spare Vehicles – 10305, 11316, 12215, 12308, 12526, 82204 and 82220

InterCity 225 Fleet List

Mark 4 Coaches and Driving Van Trailers (DVTs)



Livery Codes

- LC – London North Eastern Railway (oxblood, white and light grey with a red stripe)
- TB – Transport for Wales (all over black with red logos)
- TR – Transport for Wales (two-tone grey, red and black)
- VE – Virgin Trains East Coast (red, white and black) with LNER branding
- VR – Virgin Trains East Coast (red, white and black) with Transport for Wales branding

Owning Companies

- E – Eversholt Rail (UK)
- FS – Fire Service College
- HN – Harry Needle Railroad Company
- NR – Network Rail
- TW – Transport for Wales

Operator Codes

- HN – Harry Needle Railroad Company
- LN – London North Eastern Railway
- TW – Transport for Wales

General Notes

- 12405 was the second Mark 4 coach to carry this number. It was constructed from the bodyshell initially intended for 12221. The original 12405 was made into 12232.
- 82200 carries a commemorative Remembrance Day vinyl honouring members of the armed forces lost during conflicts including the First and Second World Wars.
- 82216 carries a vinyl promoting Hope House and Tŷ Gobaith Children’s Hospices.
- 82226 carries a vinyl promoting the Wales Air Ambulance Charity.
- 82229 carries a vinyl promoting water safety by HM Coastguard and the Royal National Lifeboat Institution (RNLI).

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