



# Class 315 and 345 Electric Multiple Unit Diagrams

Ilford Depot

Sunday 21 May 2017 to  
Saturday 9 December 2017

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 139 Class 345

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08+26	5Z70			33.40	33.40
Southend Vic	09+37	09+57	5Z71			12.50	45.90
Wickford	10+15	10+24	5Z72			12.50	58.40
Southend Vic	10+43	10+57	5Z73			21.30	79.70
Shenfield	11+28	11+35	5Z74			21.30	101.00
Southend Vic	12+04	12+57	5Z75			21.30	122.30
Shenfield	13+28	13+35	5Z76			21.30	143.60
Southend Vic	14+04	14+17	5Z77			21.30	164.90
Shenfield	14+48	14+54	5Z78			21.30	186.20
Southend Vic	15+23	15+37	5Z79			21.30	207.50
Shenfield	16+08	16+15	5Z80			21.30	228.80
Southend Vic	16+44	16+57	5Z81			12.50	241.30
Wickford	17+16	17+24	5Z82			12.50	253.80
Southend Vic	17+43	19+13	5Z83			12.50	266.30
Wickford	19+36	19+44	5Z84			12.50	278.80
Southend Vic	20+03	20+17	5Z85			21.30	300.10
Shenfield	20+48	20+54	5Z86			21.30	321.40
Southend Vic	21+23	21+55	5Z87			33.40	354.80
Ilford EMUD	22+54						
						Loaded	0.00
						Empty	354.80
						Total	354.80

IF 140 Class 345

Days SX  
From 22/05/2017  
To 15/09/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		09+20	5Z02			5.93	5.93
Gidea Pk CS	09+35	09+51	5Z03			14.06	19.99
Liverpool St	10+23	10+37	5Z04			20.50	40.49
Shenfield CS	11+20	11+30	5Z05			20.50	60.99
Liverpool St	12+29	12+37	5Z06			20.50	81.49
Shenfield CS	13+20	14+08	5Z07			20.50	101.99
Liverpool St	14+53	15+07	5Z08			14.06	116.05
Gidea Pk CS	15+36	16+17	5Z09			5.93	121.98
Ilford EMUD	16+39						
						Loaded	0.00
						Empty	121.98
						Total	121.98

IF 140 Class 345

Days SX  
From 18/09/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+30	5Z02			5.93	5.93
Gidea Pk CS	06+45	09+51	5Z03			14.06	19.99
Liverpool St	10+23	10+37	5Z04			20.50	40.49
Shenfield CS	11+20	11+30	5Z05			20.50	60.99
Liverpool St	12+29	12+37	5Z06			20.50	81.49
Shenfield CS	13+20	14+08	5Z07			20.50	101.99
Liverpool St	14+53	15+07	5Z08			14.06	116.05
Gidea Pk CS	15+36	16+17	5Z09			11.06	127.11
Bow Jn	16+47	19+05	5Z10			5.00	132.11
Ilford EMUD	19+29						
						Loaded	0.00
						Empty	132.11
						Total	132.11

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 141 Class 345

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		10+20	5Z12			12.03	12.03
Shenfield	10+48	10+58	5Z13			20.16	32.19
Liverpool St	11+43	11+54	5Z14			20.50	52.69
Shenfield CS	12+40	13+08	5Z15			20.50	73.19
Liverpool St	13+49	13+57	5Z16			20.50	93.69
Shenfield CS	14+40	15+08	5Z17			12.33	106.02
Ilford EMUD	15+39						
						Loaded	0.00
						Empty	106.02
						Total	106.02

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IF 158 Class 315/0

Days SX  
From 22/05/2017  
To 15/09/2017  
Standby Train if units available from maintenance

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+20	5C77		158 (1) \ 159 (2)	1.00	1.00
Ilford Sig 337	06+31	06+37	5C77		159 (1) \ 158 (2)	0.25	1.25
Aldersbrook CS	06+39	10+43	5C79		158 (1) \ 159 (2)	7.10	8.35
Liverpool St	10+59	11+07	5V80		159 (1) \ 158 (2)	8.00	16.35
Ilford EMUD	11+34						
						Loaded	0.00
						Empty	16.35
						Total	16.35

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IF 159 Class 315/0

Days SX  
From 22/05/2017  
To 15/09/2017  
Standby Train if units available from fleet maintenance

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+20	5C77		158 (1) \ 159 (2)	1.00	1.00
Ilford Sig 337	06+31	06+37	5C77		159 (1) \ 158 (2)	0.25	1.25
Aldersbrook CS	06+39	10+43	5C79		158 (1) \ 159 (2)	7.10	8.35
Liverpool St	10+59	11+07	5V80		159 (1) \ 158 (2)	8.00	16.35
Ilford EMUD	11+34						
						Loaded	0.00
						Empty	16.35
						Total	16.35

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**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 160 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+43	5W03		161 (1) \ 160 (2)	12.03	12.03
Shenfield	05+04	05.12	2W03		160 (1) \ 161 (2)	20.16	32.19
Liverpool St	05.55	06.10	2W06		161 (1) \ 160 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		160 (1) \ 161 (2)	20.16	72.51
Liverpool St	07.43	07.50	2W26		161 (1) \ 160 (2)	20.16	92.67
Shenfield	08.33	08.42	2W43		160 (1) \ 161 (2)	20.16	112.83
Liverpool St	09.22	09+33	5C44		161 (1) \ 160 (2)	14.06	126.89
Gidea Pk CS	10+05	12+17	5C71		160 (1) \ 161 (2)	14.06	140.95
Liverpool St	12+49	12+57	5V72		161 (1) \ 160 (2)	8.00	148.95
Ilford EMUD	13+19	13+40	5C74		161 (1) \ 160 (2)	5.93	154.88
Gidea Pk CS	13+55	15+47	5W30		160 (1) \ 161 (2)	14.06	168.94
Liverpool St	16+19	16.36	2W30		161 (1) \ 160 (2)	20.16	189.10
Shenfield	17.17	17.24	2W47		160 (1) \ 161 (2)	20.16	209.26
Liverpool St	18.03	18.10	2C74		161 (1) \ 160 (2)	13.53	222.79
Gidea Park	18.38	18+40	5C74		161 (1) \ 160 (2)	0.53	223.32
Gidea Pk CS	18+42						
						<b>Loaded</b>	<b>154.65</b>
						<b>Empty</b>	<b>68.67</b>
						<b>Total</b>	<b>223.32</b>

IF 161 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+43	5W03		161 (1) \ 160 (2)	12.03	12.03
Shenfield	05+04	05.12	2W03		160 (1) \ 161 (2)	20.16	32.19
Liverpool St	05.55	06.10	2W06		161 (1) \ 160 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		160 (1) \ 161 (2)	20.16	72.51
Liverpool St	07.43	07.50	2W26		161 (1) \ 160 (2)	20.16	92.67
Shenfield	08.33	08.42	2W43		160 (1) \ 161 (2)	20.16	112.83
Liverpool St	09.22	09+33	5C44		161 (1) \ 160 (2)	14.06	126.89
Gidea Pk CS	10+05	12+17	5C71		160 (1) \ 161 (2)	14.06	140.95
Liverpool St	12+49	12+57	5V72		161 (1) \ 160 (2)	8.00	148.95
Ilford EMUD	13+19	13+40	5C74		161 (1) \ 160 (2)	5.93	154.88
Gidea Pk CS	13+55	15+47	5W30		160 (1) \ 161 (2)	14.06	168.94
Liverpool St	16+19	16.36	2W30		161 (1) \ 160 (2)	20.16	189.10
Shenfield	17.17	17.24	2W47		160 (1) \ 161 (2)	20.16	209.26
Liverpool St	18.03	18.10	2C74		161 (1) \ 160 (2)	13.53	222.79
Gidea Park	18.38	18+40	5C74		161 (1) \ 160 (2)	0.53	223.32
Gidea Pk CS	18+42						
						<b>Loaded</b>	<b>154.65</b>
						<b>Empty</b>	<b>68.67</b>
						<b>Total</b>	<b>223.32</b>

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 162 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		162 (1) \ 163 (2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		163 (1) \ 162 (2)	20.16	28.16
Shenfield	06.07	06.14	2W11		162 (1) \ 163 (2)	20.16	48.32
Liverpool St	06.57	07.07	2C02		163 (1) \ 162 (2)	13.53	61.85
Gidea Park	07.35	07+37	5C02		163 (1) \ 162 (2)	0.53	62.38
Gidea Pk Mid Sdg	07+39	07+46	5C23		162 (1) \ 163 (2)	0.53	62.91
Gidea Park	07+48	07.49	2C23		162 (1) \ 163 (2)	13.53	76.44
Liverpool St	08.20	08.27	2C18		163 (1) \ 162 (2)	13.53	89.97
Gidea Park	08.55	08+57	5C18		163 (1) \ 162 (2)	0.53	90.50
Gidea Pk Mid Sdg	08+59	09+06	5C41		162 (1) \ 163 (2)	0.53	91.03
Gidea Park	09+08	09.09	2C41		162 (1) \ 163 (2)	13.53	104.56
Liverpool St	09.39	09.50	2W50		163 (1) \ 162 (2)	20.16	124.72
Shenfield	10.33	10.44	2W67		162 (1) \ 163 (2)	20.16	144.88
Liverpool St	11.27	11.40	2W72		163 (1) \ 162 (2)	20.16	165.04
Shenfield	12.23	12.34	2W89		162 (1) \ 163 (2)	20.16	185.20
Liverpool St	13.17	13.30	2W94		163 (1) \ 162 (2)	20.16	205.36
Shenfield	14.13	14.24	2W11		162 (1) \ 163 (2)	20.16	225.52
Liverpool St	15.07	15.20	2W16		163 (1) \ 162 (2)	20.16	245.68
Shenfield	16.03	16.14	2W33		162 (1) \ 163 (2)	20.16	265.84
Liverpool St	16.57	17.07	2W36		163 (1) \ 162 (2)	20.16	286.00
Shenfield	17.47	17.54	2W53		162 (1) \ 163 (2)	20.16	306.16
Liverpool St	18.33	18.40	2W60		163 (1) \ 162 (2)	20.16	326.32
Shenfield	19.23	19+30	5V77		162 (1) \ 163 (2)	12.03	338.35
Ilford EMUD	19+59						
						Loaded	316.20
						Empty	22.15
						Total	338.35

IF 163 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		162 (1) \ 163 (2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		163 (1) \ 162 (2)	20.16	28.16
Shenfield	06.07	06.14	2W11		162 (1) \ 163 (2)	20.16	48.32
Liverpool St	06.57	07.07	2C02		163 (1) \ 162 (2)	13.53	61.85
Gidea Park	07.35	07+37	5C02		163 (1) \ 162 (2)	0.53	62.38
Gidea Pk Mid Sdg	07+39	07+46	5C23		162 (1) \ 163 (2)	0.53	62.91
Gidea Park	07+48	07.49	2C23		162 (1) \ 163 (2)	13.53	76.44
Liverpool St	08.20	08.27	2C18		163 (1) \ 162 (2)	13.53	89.97
Gidea Park	08.55	08+57	5C18		163 (1) \ 162 (2)	0.53	90.50
Gidea Pk Mid Sdg	08+59	09+06	5C41		162 (1) \ 163 (2)	0.53	91.03
Gidea Park	09+08	09.09	2C41		162 (1) \ 163 (2)	13.53	104.56
Liverpool St	09.39	09.50	2W50		163 (1) \ 162 (2)	20.16	124.72
Shenfield	10.33	10.44	2W67		162 (1) \ 163 (2)	20.16	144.88
Liverpool St	11.27	11.40	2W72		163 (1) \ 162 (2)	20.16	165.04
Shenfield	12.23	12.34	2W89		162 (1) \ 163 (2)	20.16	185.20
Liverpool St	13.17	13.30	2W94		163 (1) \ 162 (2)	20.16	205.36
Shenfield	14.13	14.24	2W11		162 (1) \ 163 (2)	20.16	225.52
Liverpool St	15.07	15.20	2W16		163 (1) \ 162 (2)	20.16	245.68
Shenfield	16.03	16.14	2W33		162 (1) \ 163 (2)	20.16	265.84
Liverpool St	16.57	17.07	2W36		163 (1) \ 162 (2)	20.16	286.00
Shenfield	17.47	17.54	2W53		162 (1) \ 163 (2)	20.16	306.16
Liverpool St	18.33	18.40	2W60		163 (1) \ 162 (2)	20.16	326.32
Shenfield	19.23	19+30	5V77		162 (1) \ 163 (2)	12.03	338.35
Ilford EMUD	19+59						
						Loaded	316.20
						Empty	22.15
						Total	338.35

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 164 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+23	5W09		165(1)\164(2)	12.03	12.03
Shenfield	05+47	05.59	2W09		164(1)\165(2)	20.16	32.19
Liverpool St	06.45	06.57	2C00		165(1)\164(2)	13.53	45.72
Gidea Park	07.25	07+27	5C00		165(1)\164(2)	0.53	46.25
Gidea Pk Mid Sdg	07+29	07+36	5C21		164(1)\165(2)	0.53	46.78
Gidea Park	07+38	07.39	2C21		164(1)\165(2)	13.53	60.31
Liverpool St	08.10	08.17	2C16		165(1)\164(2)	13.53	73.84
Gidea Park	08.44	08+45	5C16		165(1)\164(2)	0.53	74.37
Gidea Pk CS	08+47	08+54	5C39		164(1)\165(2)	0.53	74.90
Gidea Park	08+56	08.57	2C39		164(1)\165(2)	13.53	88.43
Liverpool St	09.29	09.40	2W48		165(1)\164(2)	20.16	108.59
Shenfield	10.23	10.34	2W65		164(1)\165(2)	20.16	128.75
Liverpool St	11.17	11.30	2W70		165(1)\164(2)	20.16	148.91
Shenfield	12.13	12.24	2W87		164(1)\165(2)	20.16	169.07
Liverpool St	13.07	13.20	2W92		165(1)\164(2)	20.16	189.23
Shenfield	14.03	14.14	2W09		164(1)\165(2)	20.16	209.39
Liverpool St	14.57	15.10	2W14		165(1)\164(2)	20.16	229.55
Shenfield	15.53	16.04	2W31		164(1)\165(2)	20.16	249.71
Liverpool St	16.47	17.00	2C58		165(1)\164(2)	13.53	263.24
Gidea Park	17.28	17+30	5C58		165(1)\164(2)	0.53	263.77
Gidea Pk Mid Sdg	17+32	17+39	5C59		164(1)\165(2)	0.53	264.30
Gidea Park	17+41	17.42	2C59		164(1)\165(2)	13.53	277.83
Liverpool St	18.10	18.17	2W54		165(1)\164(2)	20.16	297.99
Shenfield	18.57	19.04	2W67		164(1)\165(2)	20.16	318.15
Liverpool St	19.47	20.00	2W80		165(1)\164(2)	20.16	338.31
Shenfield	20.43	20.54	2W89		164(1)\165(2)	20.16	358.47
Liverpool St	21.37	21.50	2W02		165(1)\164(2)	20.16	378.63
Shenfield	22.33	22.44	2W07		164(1)\165(2)	20.16	398.79
Liverpool St	23.27	23.50	2W20		165(1)\164(2)	20.16	418.95
Shenfield	00.33	00+41	5C89		164(1)\165(2)	6.69	425.64
Gidea Park	00+50	00+56	5C89		165(1)\164(2)	0.53	426.17
Gidea Pk CS	00+58						
						Loaded	403.74
						Empty	22.43
						Total	426.17

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 165 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+23	5W09		165 (1) \ 164 (2)	12.03	12.03
Shenfield	05+47	05.59	2W09		164 (1) \ 165 (2)	20.16	32.19
Liverpool St	06.45	06.57	2C00		165 (1) \ 164 (2)	13.53	45.72
Gidea Park	07.25	07+27	5C00		165 (1) \ 164 (2)	0.53	46.25
Gidea Pk Mid Sdg	07+29	07+36	5C21		164 (1) \ 165 (2)	0.53	46.78
Gidea Park	07+38	07.39	2C21		164 (1) \ 165 (2)	13.53	60.31
Liverpool St	08.10	08.17	2C16		165 (1) \ 164 (2)	13.53	73.84
Gidea Park	08.44	08+45	5C16		165 (1) \ 164 (2)	0.53	74.37
Gidea Pk CS	08+47	08+54	5C39		164 (1) \ 165 (2)	0.53	74.90
Gidea Park	08+56	08.57	2C39		164 (1) \ 165 (2)	13.53	88.43
Liverpool St	09.29	09.40	2W48		165 (1) \ 164 (2)	20.16	108.59
Shenfield	10.23	10.34	2W65		164 (1) \ 165 (2)	20.16	128.75
Liverpool St	11.17	11.30	2W70		165 (1) \ 164 (2)	20.16	148.91
Shenfield	12.13	12.24	2W87		164 (1) \ 165 (2)	20.16	169.07
Liverpool St	13.07	13.20	2W92		165 (1) \ 164 (2)	20.16	189.23
Shenfield	14.03	14.14	2W09		164 (1) \ 165 (2)	20.16	209.39
Liverpool St	14.57	15.10	2W14		165 (1) \ 164 (2)	20.16	229.55
Shenfield	15.53	16.04	2W31		164 (1) \ 165 (2)	20.16	249.71
Liverpool St	16.47	17.00	2C58		165 (1) \ 164 (2)	13.53	263.24
Gidea Park	17.28	17+30	5C58		165 (1) \ 164 (2)	0.53	263.77
Gidea Pk Mid Sdg	17+32	17+39	5C59		164 (1) \ 165 (2)	0.53	264.30
Gidea Park	17+41	17.42	2C59		164 (1) \ 165 (2)	13.53	277.83
Liverpool St	18.10	18.17	2W54		165 (1) \ 164 (2)	20.16	297.99
Shenfield	18.57	19.04	2W67		164 (1) \ 165 (2)	20.16	318.15
Liverpool St	19.47	20.00	2W80		165 (1) \ 164 (2)	20.16	338.31
Shenfield	20.43	20.54	2W89		164 (1) \ 165 (2)	20.16	358.47
Liverpool St	21.37	21.50	2W02		165 (1) \ 164 (2)	20.16	378.63
Shenfield	22.33	22.44	2W07		164 (1) \ 165 (2)	20.16	398.79
Liverpool St	23.27	23.50	2W20		165 (1) \ 164 (2)	20.16	418.95
Shenfield	00.33	00+41	5C89		164 (1) \ 165 (2)	6.69	425.64
Gidea Park	00+50	00+56	5C89		165 (1) \ 164 (2)	0.53	426.17
Gidea Pk CS	00+58						
						Loaded	403.74
						Empty	22.43
						Total	426.17

IF 166 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.10	3C09		167 (1) \ 166 (2)	5.93	5.93
Gidea Pk Mid Sdg	06.24	06+36	5C09		166 (1) \ 167 (2)	0.53	6.46
Gidea Park	06+38	06.39	2C09		166 (1) \ 167 (2)	13.53	19.99
Liverpool St	07.10	07.17	2C04		167 (1) \ 166 (2)	13.53	33.52
Gidea Park	07.45	07+47	5C04		167 (1) \ 166 (2)	0.53	34.05
Gidea Pk Mid Sdg	07+49	08+02	5C27		166 (1) \ 167 (2)	0.53	34.58
Gidea Park	08+04	08.05	2C27		166 (1) \ 167 (2)	13.53	48.11
Liverpool St	08.34	08+43	5C38		167 (1) \ 166 (2)	14.06	62.17
Gidea Pk CS	09+19	16+07	5W34		166 (1) \ 167 (2)	14.06	76.23
Liverpool St	16+43	16.57	2W34		167 (1) \ 166 (2)	20.16	96.39
Shenfield	17.37	17.44	2W51		166 (1) \ 167 (2)	20.16	116.55
Liverpool St	18.23	18.30	2C78		167 (1) \ 166 (2)	13.53	130.08
Gidea Park	18.58	19+00	5C78		167 (1) \ 166 (2)	0.53	130.61
Gidea Pk CS	19+02						
						Loaded	100.37
						Empty	30.24
						Total	130.61

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 167 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.10	3C09		167(1)\166(2)	5.93	5.93
Gidea Pk Mid Sdg	06.24	06+36	5C09		166(1)\167(2)	0.53	6.46
Gidea Park	06+38	06.39	2C09		166(1)\167(2)	13.53	19.99
Liverpool St	07.10	07.17	2C04		167(1)\166(2)	13.53	33.52
Gidea Park	07.45	07+47	5C04		167(1)\166(2)	0.53	34.05
Gidea Pk Mid Sdg	07+49	08+02	5C27		166(1)\167(2)	0.53	34.58
Gidea Park	08+04	08.05	2C27		166(1)\167(2)	13.53	48.11
Liverpool St	08.34	08+43	5C38		167(1)\166(2)	14.06	62.17
Gidea Pk CS	09+19	16+07	5W34		166(1)\167(2)	14.06	76.23
Liverpool St	16+43	16.57	2W34		167(1)\166(2)	20.16	96.39
Shenfield	17.37	17.44	2W51		166(1)\167(2)	20.16	116.55
Liverpool St	18.23	18.30	2C78		167(1)\166(2)	13.53	130.08
Gidea Park	18.58	19+00	5C78		167(1)\166(2)	0.53	130.61
Gidea Pk CS	19+02						
						<b>Loaded</b>	<b>100.37</b>
						<b>Empty</b>	<b>30.24</b>
						<b>Total</b>	<b>130.61</b>

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IF 168 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.20	3C11		169(1)\168(2)	5.93	5.93
Gidea Pk CS	06.35	06+46	5C11		168(1)\169(2)	0.53	6.46
Gidea Park	06+48	06.49	2C11		168(1)\169(2)	13.53	19.99
Liverpool St	07.20	07.27	2C06		169(1)\168(2)	13.53	33.52
Gidea Park	07.55	07+56	5C06		169(1)\168(2)	0.53	34.05
Gidea Pk CS	07+58	07+59	5C29		169(1)\168(2)	0.25	34.30
Gidea Pk CE Spur	08+01	08+08	5C29		168(1)\169(2)	0.78	35.08
Gidea Park	08+11	08.12	2C29		168(1)\169(2)	13.53	48.61
Liverpool St	08.41	08+53	5C40		169(1)\168(2)	14.06	62.67
Gidea Pk CS	09+25	16+39	3C62		168(1)\169(2)	14.06	76.73
Liverpool St	17+09	17.20	2C62		169(1)\168(2)	13.53	90.26
Gidea Park	17.48	17+50	5C62		169(1)\168(2)	0.53	90.79
Gidea Pk Mid Sdg	17+52	17+59	5C63		168(1)\169(2)	0.53	91.32
Gidea Park	18+01	18.02	2C63		168(1)\169(2)	13.53	104.85
Liverpool St	18.30	18.37	2W58		169(1)\168(2)	20.16	125.01
Shenfield	19.17	19.24	2W71		168(1)\169(2)	20.16	145.17
Liverpool St	20.07	20.20	2W84		169(1)\168(2)	20.16	165.33
Shenfield	21.03	21.14	2W93		168(1)\169(2)	20.16	185.49
Liverpool St	21.57	22.10	2W06		169(1)\168(2)	20.16	205.65
Shenfield	22.53	23+04	5V83		168(1)\169(2)	12.03	217.68
Ilford EMUD	23+34						
						<b>Loaded</b>	<b>188.44</b>
						<b>Empty</b>	<b>29.24</b>
						<b>Total</b>	<b>217.68</b>

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**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 169 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.20	3C11		169 (1) \ 168 (2)	5.93	5.93
Gidea Pk CS	06.35	06+46	5C11		168 (1) \ 169 (2)	0.53	6.46
Gidea Park	06+48	06.49	2C11		168 (1) \ 169 (2)	13.53	19.99
Liverpool St	07.20	07.27	2C06		169 (1) \ 168 (2)	13.53	33.52
Gidea Park	07.55	07+56	5C06		169 (1) \ 168 (2)	0.53	34.05
Gidea Pk CS	07+58	07+59	5C29		169 (1) \ 168 (2)	0.25	34.30
Gidea Pk CE Spur	08+01	08+08	5C29		168 (1) \ 169 (2)	0.78	35.08
Gidea Park	08+11	08.12	2C29		168 (1) \ 169 (2)	13.53	48.61
Liverpool St	08.41	08+53	5C40		169 (1) \ 168 (2)	14.06	62.67
Gidea Pk CS	09+25	16+39	3C62		168 (1) \ 169 (2)	14.06	76.73
Liverpool St	17+09	17.20	2C62		169 (1) \ 168 (2)	13.53	90.26
Gidea Park	17.48	17+50	5C62		169 (1) \ 168 (2)	0.53	90.79
Gidea Pk Mid Sdg	17+52	17+59	5C63		168 (1) \ 169 (2)	0.53	91.32
Gidea Park	18+01	18.02	2C63		168 (1) \ 169 (2)	13.53	104.85
Liverpool St	18.30	18.37	2W58		169 (1) \ 168 (2)	20.16	125.01
Shenfield	19.17	19.24	2W71		168 (1) \ 169 (2)	20.16	145.17
Liverpool St	20.07	20.20	2W84		169 (1) \ 168 (2)	20.16	165.33
Shenfield	21.03	21.14	2W93		168 (1) \ 169 (2)	20.16	185.49
Liverpool St	21.57	22.10	2W06		169 (1) \ 168 (2)	20.16	205.65
Shenfield	22.53	23+04	5V83		168 (1) \ 169 (2)	12.03	217.68
Ilford EMUD	23+34						
						Loaded	188.44
						Empty	29.24
						Total	217.68

IF 170 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.40	3C15		171 (1) \ 170 (2)	5.93	5.93
Gidea Pk Mid Sdg	06.55	07+06	5C15		170 (1) \ 171 (2)	0.53	6.46
Gidea Park	07+08	07.09	2C15		170 (1) \ 171 (2)	13.53	19.99
Liverpool St	07.40	07.47	2C10		171 (1) \ 170 (2)	13.53	33.52
Gidea Park	08.15	08+17	5C10		171 (1) \ 170 (2)	0.53	34.05
Gidea Pk Mid Sdg	08+19	08+26	5C33		170 (1) \ 171 (2)	0.53	34.58
Gidea Park	08+28	08.29	2C33		170 (1) \ 171 (2)	13.53	48.11
Liverpool St	08.59	09.10	2W42		171 (1) \ 170 (2)	20.16	68.27
Shenfield	09.53	10.04	2W59		170 (1) \ 171 (2)	20.16	88.43
Liverpool St	10.47	11.00	2W64		171 (1) \ 170 (2)	20.16	108.59
Shenfield	11.43	11.54	2W81		170 (1) \ 171 (2)	20.16	128.75
Liverpool St	12.37	12.50	2W86		171 (1) \ 170 (2)	20.16	148.91
Shenfield	13.33	13.44	2W03		170 (1) \ 171 (2)	20.16	169.07
Liverpool St	14.27	14.40	2W08		171 (1) \ 170 (2)	20.16	189.23
Shenfield	15.23	15.34	2W25		170 (1) \ 171 (2)	20.16	209.39
Liverpool St	16.17	16.29	2C52		171 (1) \ 170 (2)	13.53	222.92
Gidea Park	16.59	17+00	5C52		171 (1) \ 170 (2)	0.53	223.45
Gidea Pk Mid Sdg	17+02	17+09	5C53		170 (1) \ 171 (2)	0.53	223.98
Gidea Park	17+11	17.12	2C53		170 (1) \ 171 (2)	13.53	237.51
Liverpool St	17.40	17.49	2W48		171 (1) \ 170 (2)	20.16	257.67
Shenfield	18.31	18.41	3W76		170 (1) \ 171 (2)	20.16	277.83
Liverpool St	19.19	19.38	2W76		171 (1) \ 170 (2)	20.16	297.99
Shenfield	20.21	20.34	2W85		170 (1) \ 171 (2)	20.16	318.15
Liverpool St	21.17	21.30	2W98		171 (1) \ 170 (2)	20.16	338.31
Shenfield	22.13	22.29	2W05		170 (1) \ 171 (2)	20.16	358.47
Liverpool St	23.12	23.35	2W18		171 (1) \ 170 (2)	20.16	378.63
Shenfield	00.18	00+25	5C85		170 (1) \ 171 (2)	6.69	385.32
Gidea Park	00+34	00+40	5C85		171 (1) \ 170 (2)	0.53	385.85
Gidea Pk CS	00+42						
						Loaded	375.98
						Empty	9.87
						Total	385.85

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 171 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.40	3C15		171 (1) \ 170 (2)	5.93	5.93
Gidea Pk Mid Sdg	06.55	07+06	5C15		170 (1) \ 171 (2)	0.53	6.46
Gidea Park	07+08	07.09	2C15		170 (1) \ 171 (2)	13.53	19.99
Liverpool St	07.40	07.47	2C10		171 (1) \ 170 (2)	13.53	33.52
Gidea Park	08.15	08+17	5C10		171 (1) \ 170 (2)	0.53	34.05
Gidea Pk Mid Sdg	08+19	08+26	5C33		170 (1) \ 171 (2)	0.53	34.58
Gidea Park	08+28	08.29	2C33		170 (1) \ 171 (2)	13.53	48.11
Liverpool St	08.59	09.10	2W42		171 (1) \ 170 (2)	20.16	68.27
Shenfield	09.53	10.04	2W59		170 (1) \ 171 (2)	20.16	88.43
Liverpool St	10.47	11.00	2W64		171 (1) \ 170 (2)	20.16	108.59
Shenfield	11.43	11.54	2W81		170 (1) \ 171 (2)	20.16	128.75
Liverpool St	12.37	12.50	2W86		171 (1) \ 170 (2)	20.16	148.91
Shenfield	13.33	13.44	2W03		170 (1) \ 171 (2)	20.16	169.07
Liverpool St	14.27	14.40	2W08		171 (1) \ 170 (2)	20.16	189.23
Shenfield	15.23	15.34	2W25		170 (1) \ 171 (2)	20.16	209.39
Liverpool St	16.17	16.29	2C52		171 (1) \ 170 (2)	13.53	222.92
Gidea Park	16.59	17+00	5C52		171 (1) \ 170 (2)	0.53	223.45
Gidea Pk Mid Sdg	17+02	17+09	5C53		170 (1) \ 171 (2)	0.53	223.98
Gidea Park	17+11	17.12	2C53		170 (1) \ 171 (2)	13.53	237.51
Liverpool St	17.40	17.49	2W48		171 (1) \ 170 (2)	20.16	257.67
Shenfield	18.31	18.41	3W76		170 (1) \ 171 (2)	20.16	277.83
Liverpool St	19.19	19.38	2W76		171 (1) \ 170 (2)	20.16	297.99
Shenfield	20.21	20.34	2W85		170 (1) \ 171 (2)	20.16	318.15
Liverpool St	21.17	21.30	2W98		171 (1) \ 170 (2)	20.16	338.31
Shenfield	22.13	22.29	2W05		170 (1) \ 171 (2)	20.16	358.47
Liverpool St	23.12	23.35	2W18		171 (1) \ 170 (2)	20.16	378.63
Shenfield	00.18	00+25	5C85		170 (1) \ 171 (2)	6.69	385.32
Gidea Park	00+34	00+40	5C85		171 (1) \ 170 (2)	0.53	385.85
Gidea Pk CS	00+42						
						<b>Loaded</b>	<b>375.98</b>
						<b>Empty</b>	<b>9.87</b>
						<b>Total</b>	<b>385.85</b>

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 172 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.00	3C19		173(1)\172(2)	5.93	5.93
Gidea Pk Mid Sdg	07.15	07+26	5C19		172(1)\173(2)	0.53	6.46
Gidea Park	07+28	07.29	2C19		172(1)\173(2)	13.53	19.99
Liverpool St	08.00	08.07	2C14		173(1)\172(2)	13.53	33.52
Gidea Park	08.35	08+37	5C14		173(1)\172(2)	0.53	34.05
Gidea Pk Mid Sdg	08+39	08+46	5C37		172(1)\173(2)	0.53	34.58
Gidea Park	08+48	08.49	2C37		172(1)\173(2)	13.53	48.11
Liverpool St	09.19	09.30	2W46		173(1)\172(2)	20.16	68.27
Shenfield	10.13	10.24	2W63		172(1)\173(2)	20.16	88.43
Liverpool St	11.07	11.20	2W68		173(1)\172(2)	20.16	108.59
Shenfield	12.03	12.14	2W85		172(1)\173(2)	20.16	128.75
Liverpool St	12.57	13.10	2W90		173(1)\172(2)	20.16	148.91
Shenfield	13.53	14.04	2W07		172(1)\173(2)	20.16	169.07
Liverpool St	14.47	15.00	2W12		173(1)\172(2)	20.16	189.23
Shenfield	15.43	15.54	2W29		172(1)\173(2)	20.16	209.39
Liverpool St	16.37	16.50	2C56		173(1)\172(2)	13.53	222.92
Gidea Park	17.18	17+20	5C56		173(1)\172(2)	0.53	223.45
Gidea Pk Mid Sdg	17+22	17+29	5C57		172(1)\173(2)	0.53	223.98
Gidea Park	17+31	17.32	2C57		172(1)\173(2)	13.53	237.51
Liverpool St	18.00	18.07	2W52		173(1)\172(2)	20.16	257.67
Shenfield	18.47	18.54	2W65		172(1)\173(2)	20.16	277.83
Liverpool St	19.37	19.52	2W78		173(1)\172(2)	20.16	297.99
Shenfield	20.35	20.44	2W87		172(1)\173(2)	20.16	318.15
Liverpool St	21.27	21.40	2W00		173(1)\172(2)	20.16	338.31
Shenfield	22.23	22+34	5V81		172(1)\173(2)	12.03	350.34
Ilford EMUD	23+04						
						Loaded	335.66
						Empty	14.68
						Total	350.34

IF 173 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.00	3C19		173(1)\172(2)	5.93	5.93
Gidea Pk Mid Sdg	07.15	07+26	5C19		172(1)\173(2)	0.53	6.46
Gidea Park	07+28	07.29	2C19		172(1)\173(2)	13.53	19.99
Liverpool St	08.00	08.07	2C14		173(1)\172(2)	13.53	33.52
Gidea Park	08.35	08+37	5C14		173(1)\172(2)	0.53	34.05
Gidea Pk Mid Sdg	08+39	08+46	5C37		172(1)\173(2)	0.53	34.58
Gidea Park	08+48	08.49	2C37		172(1)\173(2)	13.53	48.11
Liverpool St	09.19	09.30	2W46		173(1)\172(2)	20.16	68.27
Shenfield	10.13	10.24	2W63		172(1)\173(2)	20.16	88.43
Liverpool St	11.07	11.20	2W68		173(1)\172(2)	20.16	108.59
Shenfield	12.03	12.14	2W85		172(1)\173(2)	20.16	128.75
Liverpool St	12.57	13.10	2W90		173(1)\172(2)	20.16	148.91
Shenfield	13.53	14.04	2W07		172(1)\173(2)	20.16	169.07
Liverpool St	14.47	15.00	2W12		173(1)\172(2)	20.16	189.23
Shenfield	15.43	15.54	2W29		172(1)\173(2)	20.16	209.39
Liverpool St	16.37	16.50	2C56		173(1)\172(2)	13.53	222.92
Gidea Park	17.18	17+20	5C56		173(1)\172(2)	0.53	223.45
Gidea Pk Mid Sdg	17+22	17+29	5C57		172(1)\173(2)	0.53	223.98
Gidea Park	17+31	17.32	2C57		172(1)\173(2)	13.53	237.51
Liverpool St	18.00	18.07	2W52		173(1)\172(2)	20.16	257.67
Shenfield	18.47	18.54	2W65		172(1)\173(2)	20.16	277.83
Liverpool St	19.37	19.52	2W78		173(1)\172(2)	20.16	297.99
Shenfield	20.35	20.44	2W87		172(1)\173(2)	20.16	318.15
Liverpool St	21.27	21.40	2W00		173(1)\172(2)	20.16	338.31
Shenfield	22.23	22+34	5V81		172(1)\173(2)	12.03	350.34
Ilford EMUD	23+04						
						Loaded	335.66
						Empty	14.68
						Total	350.34

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 174 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+08	5C01		174 (1) \ 175 (2)	0.53	0.53
Gidea Park	05+10	05.11	2C01		174 (1) \ 175 (2)	13.53	14.06
Liverpool St	05.42	06.00	2W04		175 (1) \ 174 (2)	20.16	34.22
Shenfield	06.43	06.54	2W19		174 (1) \ 175 (2)	20.16	54.38
Liverpool St	07.33	07.40	2W24		175 (1) \ 174 (2)	20.16	74.54
Shenfield	08.25	08.32	2W41		174 (1) \ 175 (2)	20.16	94.70
Liverpool St	09.12	09+23	5C42		175 (1) \ 174 (2)	14.06	108.76
Gidea Pk CS	09+56	16+47	3C64		174 (1) \ 175 (2)	14.06	122.82
Liverpool St	17+20	17.30	2C64		175 (1) \ 174 (2)	13.53	136.35
Gidea Park	17.58	18+00	5C64		175 (1) \ 174 (2)	0.53	136.88
Gidea Pk Mid Sdg	18+02	18+09	5C65		174 (1) \ 175 (2)	0.53	137.41
Gidea Park	18+11	18.12	2C65		174 (1) \ 175 (2)	13.53	150.94
Liverpool St	18.40	18.47	2W62		175 (1) \ 174 (2)	20.16	171.10
Shenfield	19.27	19.34	2W73		174 (1) \ 175 (2)	20.16	191.26
Liverpool St	20.17	20.30	2W86		175 (1) \ 174 (2)	20.16	211.42
Shenfield	21.13	21.24	2W95		174 (1) \ 175 (2)	20.16	231.58
Liverpool St	22.07	22.20	2W08		175 (1) \ 174 (2)	20.16	251.74
Shenfield	23.03	23.14	2W11		174 (1) \ 175 (2)	20.16	271.90
Liverpool St	23.58	00.20	2W22		175 (1) \ 174 (2)	20.16	292.06
Shenfield	01.03	01+10	5V73		174 (1) \ 175 (2)	12.03	304.09
Ilford EMUD	01+35						
						<b>Loaded</b>	<b>276.41</b>
						<b>Empty</b>	<b>27.68</b>
						<b>Total</b>	<b>304.09</b>

IF 175 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+08	5C01		174 (1) \ 175 (2)	0.53	0.53
Gidea Park	05+10	05.11	2C01		174 (1) \ 175 (2)	13.53	14.06
Liverpool St	05.42	06.00	2W04		175 (1) \ 174 (2)	20.16	34.22
Shenfield	06.43	06.54	2W19		174 (1) \ 175 (2)	20.16	54.38
Liverpool St	07.33	07.40	2W24		175 (1) \ 174 (2)	20.16	74.54
Shenfield	08.25	08.32	2W41		174 (1) \ 175 (2)	20.16	94.70
Liverpool St	09.12	09+23	5C42		175 (1) \ 174 (2)	14.06	108.76
Gidea Pk CS	09+56	16+47	3C64		174 (1) \ 175 (2)	14.06	122.82
Liverpool St	17+20	17.30	2C64		175 (1) \ 174 (2)	13.53	136.35
Gidea Park	17.58	18+00	5C64		175 (1) \ 174 (2)	0.53	136.88
Gidea Pk Mid Sdg	18+02	18+09	5C65		174 (1) \ 175 (2)	0.53	137.41
Gidea Park	18+11	18.12	2C65		174 (1) \ 175 (2)	13.53	150.94
Liverpool St	18.40	18.47	2W62		175 (1) \ 174 (2)	20.16	171.10
Shenfield	19.27	19.34	2W73		174 (1) \ 175 (2)	20.16	191.26
Liverpool St	20.17	20.30	2W86		175 (1) \ 174 (2)	20.16	211.42
Shenfield	21.13	21.24	2W95		174 (1) \ 175 (2)	20.16	231.58
Liverpool St	22.07	22.20	2W08		175 (1) \ 174 (2)	20.16	251.74
Shenfield	23.03	23.14	2W11		174 (1) \ 175 (2)	20.16	271.90
Liverpool St	23.58	00.20	2W22		175 (1) \ 174 (2)	20.16	292.06
Shenfield	01.03	01+10	5V73		174 (1) \ 175 (2)	12.03	304.09
Ilford EMUD	01+35						
						<b>Loaded</b>	<b>276.41</b>
						<b>Empty</b>	<b>27.68</b>
						<b>Total</b>	<b>304.09</b>

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 176 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+46	5C03		176(1)\177(2)	0.53	0.53
Gidea Park	05+48	05.49	2C03		176(1)\177(2)	13.53	14.06
Liverpool St	06.20	06.30	2W10		177(1)\176(2)	20.16	34.22
Shenfield	07.13	07.24	2W25		176(1)\177(2)	20.16	54.38
Liverpool St	08.03	08.10	2W30		177(1)\176(2)	20.16	74.54
Shenfield	08.53	09.02	2W47		176(1)\177(2)	20.16	94.70
Liverpool St	09.42	09+53	5C48		177(1)\176(2)	14.06	108.76
Gidea Pk CS	10+25	12+41	5C73		176(1)\177(2)	14.06	122.82
Liverpool St	13+09	13+17	5V74		177(1)\176(2)	8.00	130.82
Ilford EMUD	13+39	14+00	5C76		177(1)\176(2)	5.93	136.75
Gidea Pk CS	14+15	16+27	3C60		176(1)\177(2)	14.06	150.81
Liverpool St	17+00	17.10	2C60		177(1)\176(2)	13.53	164.34
Gidea Park	17.38	17+40	5C60		177(1)\176(2)	0.53	164.87
Gidea Pk Mid Sdg	17+42	17+49	5C61		176(1)\177(2)	0.53	165.40
Gidea Park	17+51	17.52	2C61		176(1)\177(2)	13.53	178.93
Liverpool St	18.20	18.27	2W56		177(1)\176(2)	20.16	199.09
Shenfield	19.07	19.14	2W69		176(1)\177(2)	20.16	219.25
Liverpool St	19.57	20.10	2W82		177(1)\176(2)	20.16	239.41
Shenfield	20.53	21.04	2W91		176(1)\177(2)	20.16	259.57
Liverpool St	21.47	22.00	2W04		177(1)\176(2)	20.16	279.73
Shenfield	22.43	22.59	2W09		176(1)\177(2)	20.16	299.89
Liverpool St	23.43	00.01	2C84		177(1)\176(2)	13.53	313.42
Gidea Park	00.31	00+33	5C84		177(1)\176(2)	0.53	313.95
Gidea Pk CS	00+35						
						Loaded	269.78
						Empty	44.17
						Total	313.95

IF 177 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+46	5C03		176(1)\177(2)	0.53	0.53
Gidea Park	05+48	05.49	2C03		176(1)\177(2)	13.53	14.06
Liverpool St	06.20	06.30	2W10		177(1)\176(2)	20.16	34.22
Shenfield	07.13	07.24	2W25		176(1)\177(2)	20.16	54.38
Liverpool St	08.03	08.10	2W30		177(1)\176(2)	20.16	74.54
Shenfield	08.53	09.02	2W47		176(1)\177(2)	20.16	94.70
Liverpool St	09.42	09+53	5C48		177(1)\176(2)	14.06	108.76
Gidea Pk CS	10+25	12+41	5C73		176(1)\177(2)	14.06	122.82
Liverpool St	13+09	13+17	5V74		177(1)\176(2)	8.00	130.82
Ilford EMUD	13+39	14+00	5C76		177(1)\176(2)	5.93	136.75
Gidea Pk CS	14+15	16+27	3C60		176(1)\177(2)	14.06	150.81
Liverpool St	17+00	17.10	2C60		177(1)\176(2)	13.53	164.34
Gidea Park	17.38	17+40	5C60		177(1)\176(2)	0.53	164.87
Gidea Pk Mid Sdg	17+42	17+49	5C61		176(1)\177(2)	0.53	165.40
Gidea Park	17+51	17.52	2C61		176(1)\177(2)	13.53	178.93
Liverpool St	18.20	18.27	2W56		177(1)\176(2)	20.16	199.09
Shenfield	19.07	19.14	2W69		176(1)\177(2)	20.16	219.25
Liverpool St	19.57	20.10	2W82		177(1)\176(2)	20.16	239.41
Shenfield	20.53	21.04	2W91		176(1)\177(2)	20.16	259.57
Liverpool St	21.47	22.00	2W04		177(1)\176(2)	20.16	279.73
Shenfield	22.43	22.59	2W09		176(1)\177(2)	20.16	299.89
Liverpool St	23.43	00.01	2C84		177(1)\176(2)	13.53	313.42
Gidea Park	00.31	00+33	5C84		177(1)\176(2)	0.53	313.95
Gidea Pk CS	00+35						
						Loaded	269.78
						Empty	44.17
						Total	313.95

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 178 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+01	5C05		178 (1) \ 179 (2)	0.53	0.53
Gidea Park	06+03	06.04	2C05		178 (1) \ 179 (2)	13.53	14.06
Liverpool St	06.35	06.50	2W14		179 (1) \ 178 (2)	20.16	34.22
Shenfield	07.33	07.43	2W29		178 (1) \ 179 (2)	20.16	54.38
Liverpool St	08.23	08.30	2W34		179 (1) \ 178 (2)	20.16	74.54
Shenfield	09.13	09.24	2W51		178 (1) \ 179 (2)	20.16	94.70
Liverpool St	10.07	10.20	2W56		179 (1) \ 178 (2)	20.16	114.86
Shenfield	11.03	11.14	2W73		178 (1) \ 179 (2)	20.16	135.02
Liverpool St	11.57	12.10	2W78		179 (1) \ 178 (2)	20.16	155.18
Shenfield	12.53	13.04	2W95		178 (1) \ 179 (2)	20.16	175.34
Liverpool St	13.47	14.00	2W00		179 (1) \ 178 (2)	20.16	195.50
Shenfield	14.43	14.54	2W17		178 (1) \ 179 (2)	20.16	215.66
Liverpool St	15.37	15.50	2W22		179 (1) \ 178 (2)	20.16	235.82
Shenfield	16.33	16.44	2W39		178 (1) \ 179 (2)	20.16	255.98
Liverpool St	17.27	17.36	2W42		179 (1) \ 178 (2)	20.16	276.14
Shenfield	18.17	18.24	2W59		178 (1) \ 179 (2)	20.16	296.30
Liverpool St	19.03	19.14	2W70		179 (1) \ 178 (2)	20.16	316.46
Shenfield	19.57	19+58	5W70		179 (1) \ 178 (2)	0.30	316.76
Shenfield CS	20+00						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>0.83</b>
						<b>Total</b>	<b>316.76</b>

IF 179 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+01	5C05		178 (1) \ 179 (2)	0.53	0.53
Gidea Park	06+03	06.04	2C05		178 (1) \ 179 (2)	13.53	14.06
Liverpool St	06.35	06.50	2W14		179 (1) \ 178 (2)	20.16	34.22
Shenfield	07.33	07.43	2W29		178 (1) \ 179 (2)	20.16	54.38
Liverpool St	08.23	08.30	2W34		179 (1) \ 178 (2)	20.16	74.54
Shenfield	09.13	09.24	2W51		178 (1) \ 179 (2)	20.16	94.70
Liverpool St	10.07	10.20	2W56		179 (1) \ 178 (2)	20.16	114.86
Shenfield	11.03	11.14	2W73		178 (1) \ 179 (2)	20.16	135.02
Liverpool St	11.57	12.10	2W78		179 (1) \ 178 (2)	20.16	155.18
Shenfield	12.53	13.04	2W95		178 (1) \ 179 (2)	20.16	175.34
Liverpool St	13.47	14.00	2W00		179 (1) \ 178 (2)	20.16	195.50
Shenfield	14.43	14.54	2W17		178 (1) \ 179 (2)	20.16	215.66
Liverpool St	15.37	15.50	2W22		179 (1) \ 178 (2)	20.16	235.82
Shenfield	16.33	16.44	2W39		178 (1) \ 179 (2)	20.16	255.98
Liverpool St	17.27	17.36	2W42		179 (1) \ 178 (2)	20.16	276.14
Shenfield	18.17	18.24	2W59		178 (1) \ 179 (2)	20.16	296.30
Liverpool St	19.03	19.14	2W70		179 (1) \ 178 (2)	20.16	316.46
Shenfield	19.57	19+58	5W70		179 (1) \ 178 (2)	0.30	316.76
Shenfield CS	20+00						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>0.83</b>
						<b>Total</b>	<b>316.76</b>

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 180 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+05	5W13		181 (1) \ 180 (2)	6.16	6.16
Shenfield	06+17	06.24	2W13		180 (1) \ 181 (2)	20.16	26.32
Liverpool St	07.03	07.10	2W18		181 (1) \ 180 (2)	20.16	46.48
Shenfield	07.53	08.02	2W35		180 (1) \ 181 (2)	20.16	66.64
Liverpool St	08.45	08+56	5V62		181 (1) \ 180 (2)	8.00	74.64
Ilford EMUD	09+21	16+05	5W32		180 (1) \ 181 (2)	8.00	82.64
Liverpool St	16+32	16.47	2W32		181 (1) \ 180 (2)	20.16	102.80
Shenfield	17.27	17.34	2W49		180 (1) \ 181 (2)	20.16	122.96
Liverpool St	18.13	18.20	2C76		181 (1) \ 180 (2)	13.53	136.49
Gidea Park	18.48	18+50	5C76		181 (1) \ 180 (2)	0.53	137.02
Gidea Pk CS	18+52						
						Loaded	114.33
						Empty	22.69
						Total	137.02

IF 181 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+05	5W13		181 (1) \ 180 (2)	6.16	6.16
Shenfield	06+17	06.24	2W13		180 (1) \ 181 (2)	20.16	26.32
Liverpool St	07.03	07.10	2W18		181 (1) \ 180 (2)	20.16	46.48
Shenfield	07.53	08.02	2W35		180 (1) \ 181 (2)	20.16	66.64
Liverpool St	08.45	08+56	5V62		181 (1) \ 180 (2)	8.00	74.64
Ilford EMUD	09+21	16+05	5W32		180 (1) \ 181 (2)	8.00	82.64
Liverpool St	16+32	16.47	2W32		181 (1) \ 180 (2)	20.16	102.80
Shenfield	17.27	17.34	2W49		180 (1) \ 181 (2)	20.16	122.96
Liverpool St	18.13	18.20	2C76		181 (1) \ 180 (2)	13.53	136.49
Gidea Park	18.48	18+50	5C76		181 (1) \ 180 (2)	0.53	137.02
Gidea Pk CS	18+52						
						Loaded	114.33
						Empty	22.69
						Total	137.02

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 182 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+16	5C07		182 (1) \ 183 (2)	0.53	0.53
Gidea Park	06+18	06.19	2C07		182 (1) \ 183 (2)	13.53	14.06
Liverpool St	06.50	07.00	2W16		183 (1) \ 182 (2)	20.16	34.22
Shenfield	07.43	07.56	2W33		182 (1) \ 183 (2)	20.16	54.38
Liverpool St	08.38	08.50	2W38		183 (1) \ 182 (2)	20.16	74.54
Shenfield	09.33	09.44	2W55		182 (1) \ 183 (2)	20.16	94.70
Liverpool St	10.27	10.40	2W60		183 (1) \ 182 (2)	20.16	114.86
Shenfield	11.23	11.34	2W77		182 (1) \ 183 (2)	20.16	135.02
Liverpool St	12.17	12.30	2W82		183 (1) \ 182 (2)	20.16	155.18
Shenfield	13.13	13.24	2W99		182 (1) \ 183 (2)	20.16	175.34
Liverpool St	14.07	14.20	2W04		183 (1) \ 182 (2)	20.16	195.50
Shenfield	15.03	15.14	2W21		182 (1) \ 183 (2)	20.16	215.66
Liverpool St	15.57	16.08	2W26		183 (1) \ 182 (2)	20.16	235.82
Shenfield	16.51	17.04	2W43		182 (1) \ 183 (2)	20.16	255.98
Liverpool St	17.45	17.56	2W50		183 (1) \ 182 (2)	20.16	276.14
Shenfield	18.37	18.44	2W63		182 (1) \ 183 (2)	20.16	296.30
Liverpool St	19.27	19.45	2C82		183 (1) \ 182 (2)	13.53	309.83
Gidea Park	20.15	20+16	5C82		183 (1) \ 182 (2)	0.53	310.36
Gidea Pk CS	20+18						
						<b>Loaded</b>	<b>309.30</b>
						<b>Empty</b>	<b>1.06</b>
						<b>Total</b>	<b>310.36</b>

IF 183 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+16	5C07		182 (1) \ 183 (2)	0.53	0.53
Gidea Park	06+18	06.19	2C07		182 (1) \ 183 (2)	13.53	14.06
Liverpool St	06.50	07.00	2W16		183 (1) \ 182 (2)	20.16	34.22
Shenfield	07.43	07.56	2W33		182 (1) \ 183 (2)	20.16	54.38
Liverpool St	08.38	08.50	2W38		183 (1) \ 182 (2)	20.16	74.54
Shenfield	09.33	09.44	2W55		182 (1) \ 183 (2)	20.16	94.70
Liverpool St	10.27	10.40	2W60		183 (1) \ 182 (2)	20.16	114.86
Shenfield	11.23	11.34	2W77		182 (1) \ 183 (2)	20.16	135.02
Liverpool St	12.17	12.30	2W82		183 (1) \ 182 (2)	20.16	155.18
Shenfield	13.13	13.24	2W99		182 (1) \ 183 (2)	20.16	175.34
Liverpool St	14.07	14.20	2W04		183 (1) \ 182 (2)	20.16	195.50
Shenfield	15.03	15.14	2W21		182 (1) \ 183 (2)	20.16	215.66
Liverpool St	15.57	16.08	2W26		183 (1) \ 182 (2)	20.16	235.82
Shenfield	16.51	17.04	2W43		182 (1) \ 183 (2)	20.16	255.98
Liverpool St	17.45	17.56	2W50		183 (1) \ 182 (2)	20.16	276.14
Shenfield	18.37	18.44	2W63		182 (1) \ 183 (2)	20.16	296.30
Liverpool St	19.27	19.45	2C82		183 (1) \ 182 (2)	13.53	309.83
Gidea Park	20.15	20+16	5C82		183 (1) \ 182 (2)	0.53	310.36
Gidea Pk CS	20+18						
						<b>Loaded</b>	<b>309.30</b>
						<b>Empty</b>	<b>1.06</b>
						<b>Total</b>	<b>310.36</b>



**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 184 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+25	5W17		185 (1) \ 184 (2)	6.16	6.16
Shenfield	06+37	06.44	2W17		184 (1) \ 185 (2)	20.16	26.32
Liverpool St	07.23	07.30	2W22		185 (1) \ 184 (2)	20.16	46.48
Shenfield	08.13	08.22	2W39		184 (1) \ 185 (2)	20.16	66.64
Liverpool St	09.02	09+13	5V68		185 (1) \ 184 (2)	8.00	74.64
Ilford EMUD	09+39	17+06	3C66		184 (1) \ 185 (2)	8.00	82.64
Liverpool St	17+32	17.42	2C66		185 (1) \ 184 (2)	13.53	96.17
Gidea Park	18.10	18+11	5C66		185 (1) \ 184 (2)	0.53	96.70
Gidea Pk Mid Sdg	18+13	18+19	5C67		184 (1) \ 185 (2)	0.53	97.23
Gidea Park	18+21	18.22	2C67		184 (1) \ 185 (2)	13.53	110.76
Liverpool St	18.50	18.57	2W64		185 (1) \ 184 (2)	20.16	130.92
Shenfield	19.37	19.44	2W75		184 (1) \ 185 (2)	20.16	151.08
Liverpool St	20.27	20.40	2W88		185 (1) \ 184 (2)	20.16	171.24
Shenfield	21.23	21.34	2W97		184 (1) \ 185 (2)	20.16	191.40
Liverpool St	22.17	22.35	2W10		185 (1) \ 184 (2)	20.16	211.56
Shenfield	23.18	23.29	2W13		184 (1) \ 185 (2)	20.16	231.72
Liverpool St	00.13	00.32	2C86		185 (1) \ 184 (2)	13.53	245.25
Gidea Park	01.02	01+05	5C86		185 (1) \ 184 (2)	0.53	245.78
Gidea Pk CS	01+07						
						<b>Loaded</b>	<b>230.03</b>
						<b>Empty</b>	<b>15.75</b>
						<b>Total</b>	<b>245.78</b>

IF 185 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+25	5W17		185 (1) \ 184 (2)	6.16	6.16
Shenfield	06+37	06.44	2W17		184 (1) \ 185 (2)	20.16	26.32
Liverpool St	07.23	07.30	2W22		185 (1) \ 184 (2)	20.16	46.48
Shenfield	08.13	08.22	2W39		184 (1) \ 185 (2)	20.16	66.64
Liverpool St	09.02	09+13	5V68		185 (1) \ 184 (2)	8.00	74.64
Ilford EMUD	09+39	17+06	3C66		184 (1) \ 185 (2)	8.00	82.64
Liverpool St	17+32	17.42	2C66		185 (1) \ 184 (2)	13.53	96.17
Gidea Park	18.10	18+11	5C66		185 (1) \ 184 (2)	0.53	96.70
Gidea Pk Mid Sdg	18+13	18+19	5C67		184 (1) \ 185 (2)	0.53	97.23
Gidea Park	18+21	18.22	2C67		184 (1) \ 185 (2)	13.53	110.76
Liverpool St	18.50	18.57	2W64		185 (1) \ 184 (2)	20.16	130.92
Shenfield	19.37	19.44	2W75		184 (1) \ 185 (2)	20.16	151.08
Liverpool St	20.27	20.40	2W88		185 (1) \ 184 (2)	20.16	171.24
Shenfield	21.23	21.34	2W97		184 (1) \ 185 (2)	20.16	191.40
Liverpool St	22.17	22.35	2W10		185 (1) \ 184 (2)	20.16	211.56
Shenfield	23.18	23.29	2W13		184 (1) \ 185 (2)	20.16	231.72
Liverpool St	00.13	00.32	2C86		185 (1) \ 184 (2)	13.53	245.25
Gidea Park	01.02	01+05	5C86		185 (1) \ 184 (2)	0.53	245.78
Gidea Pk CS	01+07						
						<b>Loaded</b>	<b>230.03</b>
						<b>Empty</b>	<b>15.75</b>
						<b>Total</b>	<b>245.78</b>

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 186 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+56	5C13		186(1)\187(2)	0.53	0.53
Gidea Park	06+58	06.59	2C13		186(1)\187(2)	13.53	14.06
Liverpool St	07.30	07.37	2C08		187(1)\186(2)	13.53	27.59
Gidea Park	08.05	08+06	5C08		187(1)\186(2)	0.53	28.12
Gidea Pk Mid Sdg	08+08	08+16	5C31		186(1)\187(2)	0.53	28.65
Gidea Park	08+18	08.19	2C31		186(1)\187(2)	13.53	42.18
Liverpool St	08.49	09.00	2W40		187(1)\186(2)	20.16	62.34
Shenfield	09.43	09.54	2W57		186(1)\187(2)	20.16	82.50
Liverpool St	10.37	10.50	2W62		187(1)\186(2)	20.16	102.66
Shenfield	11.33	11.44	2W79		186(1)\187(2)	20.16	122.82
Liverpool St	12.27	12.40	2W84		187(1)\186(2)	20.16	142.98
Shenfield	13.23	13.34	2W01		186(1)\187(2)	20.16	163.14
Liverpool St	14.17	14.30	2W06		187(1)\186(2)	20.16	183.30
Shenfield	15.13	15.24	2W23		186(1)\187(2)	20.16	203.46
Liverpool St	16.07	16.22	2W28		187(1)\186(2)	20.16	223.62
Shenfield	17.07	17.14	2W45		186(1)\187(2)	20.16	243.78
Liverpool St	17.53	18.02	2C72		187(1)\186(2)	13.53	257.31
Gidea Park	18.30	18+31	5C72		187(1)\186(2)	0.53	257.84
Gidea Pk Mid Sdg	18+33	18+39	5C71		186(1)\187(2)	0.53	258.37
Gidea Park	18+41	18.42	2C71		186(1)\187(2)	13.53	271.90
Liverpool St	19.10	19.22	2W72		187(1)\186(2)	20.16	292.06
Shenfield	20.07	20.14	2W81		186(1)\187(2)	20.16	312.22
Liverpool St	20.57	21.10	2W94		187(1)\186(2)	20.16	332.38
Shenfield	21.53	22+04	5V79		186(1)\187(2)	12.03	344.41
Ilford EMUD	22+34						
						Loaded	329.73
						Empty	14.68
						Total	344.41

IF 187 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+56	5C13		186(1)\187(2)	0.53	0.53
Gidea Park	06+58	06.59	2C13		186(1)\187(2)	13.53	14.06
Liverpool St	07.30	07.37	2C08		187(1)\186(2)	13.53	27.59
Gidea Park	08.05	08+06	5C08		187(1)\186(2)	0.53	28.12
Gidea Pk Mid Sdg	08+08	08+16	5C31		186(1)\187(2)	0.53	28.65
Gidea Park	08+18	08.19	2C31		186(1)\187(2)	13.53	42.18
Liverpool St	08.49	09.00	2W40		187(1)\186(2)	20.16	62.34
Shenfield	09.43	09.54	2W57		186(1)\187(2)	20.16	82.50
Liverpool St	10.37	10.50	2W62		187(1)\186(2)	20.16	102.66
Shenfield	11.33	11.44	2W79		186(1)\187(2)	20.16	122.82
Liverpool St	12.27	12.40	2W84		187(1)\186(2)	20.16	142.98
Shenfield	13.23	13.34	2W01		186(1)\187(2)	20.16	163.14
Liverpool St	14.17	14.30	2W06		187(1)\186(2)	20.16	183.30
Shenfield	15.13	15.24	2W23		186(1)\187(2)	20.16	203.46
Liverpool St	16.07	16.22	2W28		187(1)\186(2)	20.16	223.62
Shenfield	17.07	17.14	2W45		186(1)\187(2)	20.16	243.78
Liverpool St	17.53	18.02	2C72		187(1)\186(2)	13.53	257.31
Gidea Park	18.30	18+31	5C72		187(1)\186(2)	0.53	257.84
Gidea Pk Mid Sdg	18+33	18+39	5C71		186(1)\187(2)	0.53	258.37
Gidea Park	18+41	18.42	2C71		186(1)\187(2)	13.53	271.90
Liverpool St	19.10	19.22	2W72		187(1)\186(2)	20.16	292.06
Shenfield	20.07	20.14	2W81		186(1)\187(2)	20.16	312.22
Liverpool St	20.57	21.10	2W94		187(1)\186(2)	20.16	332.38
Shenfield	21.53	22+04	5V79		186(1)\187(2)	12.03	344.41
Ilford EMUD	22+34						
						Loaded	329.73
						Empty	14.68
						Total	344.41

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 188 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+16	5C17		188(1)\189(2)	0.53	0.53
Gidea Park	07+18	07.19	2C17		188(1)\189(2)	13.53	14.06
Liverpool St	07.50	07.57	2C12		189(1)\188(2)	13.53	27.59
Gidea Park	08.24	08+25	5C12		189(1)\188(2)	0.53	28.12
Gidea Pk CS	08+27	08+34	5C35		188(1)\189(2)	0.53	28.65
Gidea Park	08+36	08.37	2C35		188(1)\189(2)	13.53	42.18
Liverpool St	09.09	09.20	2W44		189(1)\188(2)	20.16	62.34
Shenfield	10.03	10.14	2W61		188(1)\189(2)	20.16	82.50
Liverpool St	10.57	11.10	2W66		189(1)\188(2)	20.16	102.66
Shenfield	11.53	12.04	2W83		188(1)\189(2)	20.16	122.82
Liverpool St	12.47	13.00	2W88		189(1)\188(2)	20.16	142.98
Shenfield	13.43	13.54	2W05		188(1)\189(2)	20.16	163.14
Liverpool St	14.37	14.50	2W10		189(1)\188(2)	20.16	183.30
Shenfield	15.33	15.44	2W27		188(1)\189(2)	20.16	203.46
Liverpool St	16.28	16.40	2C54		189(1)\188(2)	13.53	216.99
Gidea Park	17.08	17+10	5C54		189(1)\188(2)	0.53	217.52
Gidea Pk Mid Sdg	17+12	17+19	5C55		188(1)\189(2)	0.53	218.05
Gidea Park	17+21	17.22	2C55		188(1)\189(2)	13.53	231.58
Liverpool St	17.50	17.59	2C70		189(1)\188(2)	13.53	245.11
Gidea Park	18.27	18+28	5C70		189(1)\188(2)	0.53	245.64
Gidea Pk CS	18+30						
						Loaded	242.46
						Empty	3.18
						Total	245.64

IF 189 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+16	5C17		188(1)\189(2)	0.53	0.53
Gidea Park	07+18	07.19	2C17		188(1)\189(2)	13.53	14.06
Liverpool St	07.50	07.57	2C12		189(1)\188(2)	13.53	27.59
Gidea Park	08.24	08+25	5C12		189(1)\188(2)	0.53	28.12
Gidea Pk CS	08+27	08+34	5C35		188(1)\189(2)	0.53	28.65
Gidea Park	08+36	08.37	2C35		188(1)\189(2)	13.53	42.18
Liverpool St	09.09	09.20	2W44		189(1)\188(2)	20.16	62.34
Shenfield	10.03	10.14	2W61		188(1)\189(2)	20.16	82.50
Liverpool St	10.57	11.10	2W66		189(1)\188(2)	20.16	102.66
Shenfield	11.53	12.04	2W83		188(1)\189(2)	20.16	122.82
Liverpool St	12.47	13.00	2W88		189(1)\188(2)	20.16	142.98
Shenfield	13.43	13.54	2W05		188(1)\189(2)	20.16	163.14
Liverpool St	14.37	14.50	2W10		189(1)\188(2)	20.16	183.30
Shenfield	15.33	15.44	2W27		188(1)\189(2)	20.16	203.46
Liverpool St	16.28	16.40	2C54		189(1)\188(2)	13.53	216.99
Gidea Park	17.08	17+10	5C54		189(1)\188(2)	0.53	217.52
Gidea Pk Mid Sdg	17+12	17+19	5C55		188(1)\189(2)	0.53	218.05
Gidea Park	17+21	17.22	2C55		188(1)\189(2)	13.53	231.58
Liverpool St	17.50	17.59	2C70		189(1)\188(2)	13.53	245.11
Gidea Park	18.27	18+28	5C70		189(1)\188(2)	0.53	245.64
Gidea Pk CS	18+30						
						Loaded	242.46
						Empty	3.18
						Total	245.64

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 190 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+45	5C25		191 (1) \ 190 (2)	0.25	0.25
Gidea Pk CE Spur	07+47	07+54	5C25		190 (1) \ 191 (2)	0.78	1.03
Gidea Park	07+57	07.58	2C25		190 (1) \ 191 (2)	13.53	14.56
Liverpool St	08.27	08.37	2C20		191 (1) \ 190 (2)	13.53	28.09
Gidea Park	09.04	09+05	5C20		191 (1) \ 190 (2)	0.53	28.62
Gidea Pk CS	09+07	09+14	5C43		190 (1) \ 191 (2)	0.53	29.15
Gidea Park	09+16	09.17	2C43		190 (1) \ 191 (2)	13.53	42.68
Liverpool St	09.49	10.00	2W52		191 (1) \ 190 (2)	20.16	62.84
Shenfield	10.43	10.54	2W69		190 (1) \ 191 (2)	20.16	83.00
Liverpool St	11.37	11.50	2W74		191 (1) \ 190 (2)	20.16	103.16
Shenfield	12.34	12.44	2W91		190 (1) \ 191 (2)	20.16	123.32
Liverpool St	13.27	13.40	2W96		191 (1) \ 190 (2)	20.16	143.48
Shenfield	14.23	14.34	2W13		190 (1) \ 191 (2)	20.16	163.64
Liverpool St	15.17	15.30	2W18		191 (1) \ 190 (2)	20.16	183.80
Shenfield	16.13	16.24	2W35		190 (1) \ 191 (2)	20.16	203.96
Liverpool St	17.07	17.17	2W38		191 (1) \ 190 (2)	20.16	224.12
Shenfield	17.57	18.04	2W55		190 (1) \ 191 (2)	20.16	244.28
Liverpool St	18.43	18.50	2C80		191 (1) \ 190 (2)	13.53	257.81
Gidea Park	19.18	19+20	5C80		191 (1) \ 190 (2)	0.53	258.34
Gidea Pk CS	19+22	19+31	5V61		190 (1) \ 191 (2)	5.93	264.27
Ilford EMUD	19+52						
Loaded							255.72
Empty							8.55
Total							264.27

IF 191 Class 315/0

Days SX  
 From 22/05/2017  
 To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+45	5C25		191 (1) \ 190 (2)	0.25	0.25
Gidea Pk CE Spur	07+47	07+54	5C25		190 (1) \ 191 (2)	0.78	1.03
Gidea Park	07+57	07.58	2C25		190 (1) \ 191 (2)	13.53	14.56
Liverpool St	08.27	08.37	2C20		191 (1) \ 190 (2)	13.53	28.09
Gidea Park	09.04	09+05	5C20		191 (1) \ 190 (2)	0.53	28.62
Gidea Pk CS	09+07	09+14	5C43		190 (1) \ 191 (2)	0.53	29.15
Gidea Park	09+16	09.17	2C43		190 (1) \ 191 (2)	13.53	42.68
Liverpool St	09.49	10.00	2W52		191 (1) \ 190 (2)	20.16	62.84
Shenfield	10.43	10.54	2W69		190 (1) \ 191 (2)	20.16	83.00
Liverpool St	11.37	11.50	2W74		191 (1) \ 190 (2)	20.16	103.16
Shenfield	12.34	12.44	2W91		190 (1) \ 191 (2)	20.16	123.32
Liverpool St	13.27	13.40	2W96		191 (1) \ 190 (2)	20.16	143.48
Shenfield	14.23	14.34	2W13		190 (1) \ 191 (2)	20.16	163.64
Liverpool St	15.17	15.30	2W18		191 (1) \ 190 (2)	20.16	183.80
Shenfield	16.13	16.24	2W35		190 (1) \ 191 (2)	20.16	203.96
Liverpool St	17.07	17.17	2W38		191 (1) \ 190 (2)	20.16	224.12
Shenfield	17.57	18.04	2W55		190 (1) \ 191 (2)	20.16	244.28
Liverpool St	18.43	18.50	2C80		191 (1) \ 190 (2)	13.53	257.81
Gidea Park	19.18	19+20	5C80		191 (1) \ 190 (2)	0.53	258.34
Gidea Pk CS	19+22	19+31	5V61		190 (1) \ 191 (2)	5.93	264.27
Ilford EMUD	19+52						
Loaded							255.72
Empty							8.55
Total							264.27

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 192 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		192 (1) \ 193 (2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		193 (1) \ 192 (2)	20.16	40.32
Shenfield	06.23	06.34	2W15		192 (1) \ 193 (2)	20.16	60.48
Liverpool St	07.13	07.20	2W20		193 (1) \ 192 (2)	20.16	80.64
Shenfield	08.05	08.12	2W37		192 (1) \ 193 (2)	20.16	100.80
Liverpool St	08.53	09+03	5V64		193 (1) \ 192 (2)	8.00	108.80
Ilford EMUD	09+29	17+16	3C68		192 (1) \ 193 (2)	8.00	116.80
Liverpool St	17+42	17.52	2C68		193 (1) \ 192 (2)	13.53	130.33
Gidea Park	18.20	18+21	5C68		193 (1) \ 192 (2)	0.53	130.86
Gidea Pk Mid Sdg	18+23	18+29	5C69		192 (1) \ 193 (2)	0.53	131.39
Gidea Park	18+31	18.32	2C69		192 (1) \ 193 (2)	13.53	144.92
Liverpool St	19.00	19.08	2W68		193 (1) \ 192 (2)	20.16	165.08
Shenfield	19.51	20.04	2W79		192 (1) \ 193 (2)	20.16	185.24
Liverpool St	20.47	21.00	2W92		193 (1) \ 192 (2)	20.16	205.40
Shenfield	21.43	21.59	2W01		192 (1) \ 193 (2)	20.16	225.56
Liverpool St	22.42	23.05	2W14		193 (1) \ 192 (2)	20.16	245.72
Shenfield	23.48	23+49	5W14		192 (1) \ 193 (2)	0.30	246.02
Shenfield CS	23+51						
						Loaded	236.66
						Empty	9.36
						Total	246.02

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IF 193 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		192 (1) \ 193 (2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		193 (1) \ 192 (2)	20.16	40.32
Shenfield	06.23	06.34	2W15		192 (1) \ 193 (2)	20.16	60.48
Liverpool St	07.13	07.20	2W20		193 (1) \ 192 (2)	20.16	80.64
Shenfield	08.05	08.12	2W37		192 (1) \ 193 (2)	20.16	100.80
Liverpool St	08.53	09+03	5V64		193 (1) \ 192 (2)	8.00	108.80
Ilford EMUD	09+29	17+16	3C68		192 (1) \ 193 (2)	8.00	116.80
Liverpool St	17+42	17.52	2C68		193 (1) \ 192 (2)	13.53	130.33
Gidea Park	18.20	18+21	5C68		193 (1) \ 192 (2)	0.53	130.86
Gidea Pk Mid Sdg	18+23	18+29	5C69		192 (1) \ 193 (2)	0.53	131.39
Gidea Park	18+31	18.32	2C69		192 (1) \ 193 (2)	13.53	144.92
Liverpool St	19.00	19.08	2W68		193 (1) \ 192 (2)	20.16	165.08
Shenfield	19.51	20.04	2W79		192 (1) \ 193 (2)	20.16	185.24
Liverpool St	20.47	21.00	2W92		193 (1) \ 192 (2)	20.16	205.40
Shenfield	21.43	21.59	2W01		192 (1) \ 193 (2)	20.16	225.56
Liverpool St	22.42	23.05	2W14		193 (1) \ 192 (2)	20.16	245.72
Shenfield	23.48	23+49	5W14		192 (1) \ 193 (2)	0.30	246.02
Shenfield CS	23+51						
						Loaded	236.66
						Empty	9.36
						Total	246.02

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 194 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		194 (1) \ 195 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	06.12	06.20	2W08		195 (1) \ 194 (2)	20.16	40.62
Shenfield	07.03	07.14	2W23		194 (1) \ 195 (2)	20.16	60.78
Liverpool St	07.53	08.00	2W28		195 (1) \ 194 (2)	20.16	80.94
Shenfield	08.45	08.52	2W45		194 (1) \ 195 (2)	20.16	101.10
Liverpool St	09.32	09+46	5C46		195 (1) \ 194 (2)	14.06	115.16
Gidea Pk CS	10+15	15+31	3C50		194 (1) \ 195 (2)	14.06	129.22
Liverpool St	16+03	16.15	2C50		195 (1) \ 194 (2)	13.53	142.75
Gidea Park	16.45	16+50	5C50		195 (1) \ 194 (2)	0.53	143.28
Gidea Pk Mid Sdg	16+52	16+59	5C51		194 (1) \ 195 (2)	0.53	143.81
Gidea Park	17+01	17.02	2C51		194 (1) \ 195 (2)	13.53	157.34
Liverpool St	17.30	17.39	2W44		195 (1) \ 194 (2)	20.16	177.50
Shenfield	18.21	18+22	5W44		195 (1) \ 194 (2)	0.30	177.80
Shenfield CS	18+24	18+59	5V91		194 (1) \ 195 (2)	12.33	190.13
Ilford EMUD	19+29						
						Loaded	148.02
						Empty	42.11
						Total	190.13

IF 195 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		194 (1) \ 195 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	06.12	06.20	2W08		195 (1) \ 194 (2)	20.16	40.62
Shenfield	07.03	07.14	2W23		194 (1) \ 195 (2)	20.16	60.78
Liverpool St	07.53	08.00	2W28		195 (1) \ 194 (2)	20.16	80.94
Shenfield	08.45	08.52	2W45		194 (1) \ 195 (2)	20.16	101.10
Liverpool St	09.32	09+46	5C46		195 (1) \ 194 (2)	14.06	115.16
Gidea Pk CS	10+15	15+31	3C50		194 (1) \ 195 (2)	14.06	129.22
Liverpool St	16+03	16.15	2C50		195 (1) \ 194 (2)	13.53	142.75
Gidea Park	16.45	16+50	5C50		195 (1) \ 194 (2)	0.53	143.28
Gidea Pk Mid Sdg	16+52	16+59	5C51		194 (1) \ 195 (2)	0.53	143.81
Gidea Park	17+01	17.02	2C51		194 (1) \ 195 (2)	13.53	157.34
Liverpool St	17.30	17.39	2W44		195 (1) \ 194 (2)	20.16	177.50
Shenfield	18.21	18+22	5W44		195 (1) \ 194 (2)	0.30	177.80
Shenfield CS	18+24	18+59	5V91		194 (1) \ 195 (2)	12.33	190.13
Ilford EMUD	19+29						
						Loaded	148.02
						Empty	42.11
						Total	190.13

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 196 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		196(1)\197(2)	0.30	0.30
Shenfield	05+43	05.44	2W07		196(1)\197(2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		197(1)\196(2)	20.16	40.62
Shenfield	07.23	07.34	2W27		196(1)\197(2)	20.16	60.78
Liverpool St	08.13	08.20	2W32		197(1)\196(2)	20.16	80.94
Shenfield	09.05	09.14	2W49		196(1)\197(2)	20.16	101.10
Liverpool St	09.57	10.10	2W54		197(1)\196(2)	20.16	121.26
Shenfield	10.53	11.04	2W71		196(1)\197(2)	20.16	141.42
Liverpool St	11.47	12.00	2W76		197(1)\196(2)	20.16	161.58
Shenfield	12.43	12.54	2W93		196(1)\197(2)	20.16	181.74
Liverpool St	13.37	13.50	2W98		197(1)\196(2)	20.16	201.90
Shenfield	14.33	14.44	2W15		196(1)\197(2)	20.16	222.06
Liverpool St	15.27	15.40	2W20		197(1)\196(2)	20.16	242.22
Shenfield	16.23	16.34	2W37		196(1)\197(2)	20.16	262.38
Liverpool St	17.17	17.27	2W40		197(1)\196(2)	20.16	282.54
Shenfield	18.07	18.14	2W57		196(1)\197(2)	20.16	302.70
Liverpool St	18.53	19.00	2W66		197(1)\196(2)	20.16	322.86
Shenfield	19.43	19.54	2W77		196(1)\197(2)	20.16	343.02
Liverpool St	20.37	20.50	2W90		197(1)\196(2)	20.16	363.18
Shenfield	21.33	21.44	2W99		196(1)\197(2)	20.16	383.34
Liverpool St	22.27	22.50	2W12		197(1)\196(2)	20.16	403.50
Shenfield	23.33	23.44	2W15		196(1)\197(2)	20.16	423.66
Liverpool St	00.28	00.55	2W24		197(1)\196(2)	20.16	443.82
Shenfield	01.38						
						Loaded	443.52
						Empty	0.30
						Total	443.82

IF 197 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		196(1)\197(2)	0.30	0.30
Shenfield	05+43	05.44	2W07		196(1)\197(2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		197(1)\196(2)	20.16	40.62
Shenfield	07.23	07.34	2W27		196(1)\197(2)	20.16	60.78
Liverpool St	08.13	08.20	2W32		197(1)\196(2)	20.16	80.94
Shenfield	09.05	09.14	2W49		196(1)\197(2)	20.16	101.10
Liverpool St	09.57	10.10	2W54		197(1)\196(2)	20.16	121.26
Shenfield	10.53	11.04	2W71		196(1)\197(2)	20.16	141.42
Liverpool St	11.47	12.00	2W76		197(1)\196(2)	20.16	161.58
Shenfield	12.43	12.54	2W93		196(1)\197(2)	20.16	181.74
Liverpool St	13.37	13.50	2W98		197(1)\196(2)	20.16	201.90
Shenfield	14.33	14.44	2W15		196(1)\197(2)	20.16	222.06
Liverpool St	15.27	15.40	2W20		197(1)\196(2)	20.16	242.22
Shenfield	16.23	16.34	2W37		196(1)\197(2)	20.16	262.38
Liverpool St	17.17	17.27	2W40		197(1)\196(2)	20.16	282.54
Shenfield	18.07	18.14	2W57		196(1)\197(2)	20.16	302.70
Liverpool St	18.53	19.00	2W66		197(1)\196(2)	20.16	322.86
Shenfield	19.43	19.54	2W77		196(1)\197(2)	20.16	343.02
Liverpool St	20.37	20.50	2W90		197(1)\196(2)	20.16	363.18
Shenfield	21.33	21.44	2W99		196(1)\197(2)	20.16	383.34
Liverpool St	22.27	22.50	2W12		197(1)\196(2)	20.16	403.50
Shenfield	23.33	23.44	2W15		196(1)\197(2)	20.16	423.66
Liverpool St	00.28	00.55	2W24		197(1)\196(2)	20.16	443.82
Shenfield	01.38						
						Loaded	443.52
						Empty	0.30
						Total	443.82

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 198 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+46	5W31		198 (1) \ 199 (2)	0.30	0.30
Shenfield	07+48	07.49	2W31		198 (1) \ 199 (2)	20.16	20.46
Liverpool St	08.30	08.40	2W36		199 (1) \ 198 (2)	20.16	40.62
Shenfield	09.23	09.34	2W53		198 (1) \ 199 (2)	20.16	60.78
Liverpool St	10.17	10.30	2W58		199 (1) \ 198 (2)	20.16	80.94
Shenfield	11.13	11.24	2W75		198 (1) \ 199 (2)	20.16	101.10
Liverpool St	12.07	12.20	2W80		199 (1) \ 198 (2)	20.16	121.26
Shenfield	13.03	13.14	2W97		198 (1) \ 199 (2)	20.16	141.42
Liverpool St	13.57	14.10	2W02		199 (1) \ 198 (2)	20.16	161.58
Shenfield	14.53	15.04	2W19		198 (1) \ 199 (2)	20.16	181.74
Liverpool St	15.47	16.00	2W24		199 (1) \ 198 (2)	20.16	201.90
Shenfield	16.43	16.54	2W41		198 (1) \ 199 (2)	20.16	222.06
Liverpool St	17.35	17.46	2W46		199 (1) \ 198 (2)	20.16	242.22
Shenfield	18.27	18.34	2W61		198 (1) \ 199 (2)	20.16	262.38
Liverpool St	19.17	19.30	2W74		199 (1) \ 198 (2)	20.16	282.54
Shenfield	20.13	20.24	2W83		198 (1) \ 199 (2)	20.16	302.70
Liverpool St	21.07	21.20	2W96		199 (1) \ 198 (2)	20.16	322.86
Shenfield	22.03	22.14	2W03		198 (1) \ 199 (2)	20.16	343.02
Liverpool St	22.57	23.20	2W16		199 (1) \ 198 (2)	20.16	363.18
Shenfield	00.03	00+04	5W16		199 (1) \ 198 (2)	0.30	363.48
Shenfield CS	00+06						
Loaded							362.88
Empty							0.60
Total							363.48

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IF 199 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+46	5W31		198 (1) \ 199 (2)	0.30	0.30
Shenfield	07+48	07.49	2W31		198 (1) \ 199 (2)	20.16	20.46
Liverpool St	08.30	08.40	2W36		199 (1) \ 198 (2)	20.16	40.62
Shenfield	09.23	09.34	2W53		198 (1) \ 199 (2)	20.16	60.78
Liverpool St	10.17	10.30	2W58		199 (1) \ 198 (2)	20.16	80.94
Shenfield	11.13	11.24	2W75		198 (1) \ 199 (2)	20.16	101.10
Liverpool St	12.07	12.20	2W80		199 (1) \ 198 (2)	20.16	121.26
Shenfield	13.03	13.14	2W97		198 (1) \ 199 (2)	20.16	141.42
Liverpool St	13.57	14.10	2W02		199 (1) \ 198 (2)	20.16	161.58
Shenfield	14.53	15.04	2W19		198 (1) \ 199 (2)	20.16	181.74
Liverpool St	15.47	16.00	2W24		199 (1) \ 198 (2)	20.16	201.90
Shenfield	16.43	16.54	2W41		198 (1) \ 199 (2)	20.16	222.06
Liverpool St	17.35	17.46	2W46		199 (1) \ 198 (2)	20.16	242.22
Shenfield	18.27	18.34	2W61		198 (1) \ 199 (2)	20.16	262.38
Liverpool St	19.17	19.30	2W74		199 (1) \ 198 (2)	20.16	282.54
Shenfield	20.13	20.24	2W83		198 (1) \ 199 (2)	20.16	302.70
Liverpool St	21.07	21.20	2W96		199 (1) \ 198 (2)	20.16	322.86
Shenfield	22.03	22.14	2W03		198 (1) \ 199 (2)	20.16	343.02
Liverpool St	22.57	23.20	2W16		199 (1) \ 198 (2)	20.16	363.18
Shenfield	00.03	00+04	5W16		199 (1) \ 198 (2)	0.30	363.48
Shenfield CS	00+06						
Loaded							362.88
Empty							0.60
Total							363.48

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 200 Class 315/0

Days SX  
From 22/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		11+36	5C75			8.00	8.00
Liverpool St	11+59	12+22	5W92			20.16	28.16
Shenfield	12+48	12+58	5W91			20.16	48.32
Liverpool St	13+29	13+37	5V76			8.00	56.32
Ilford EMUD	13+59						
						Loaded	0.00
						Empty	56.32
						Total	56.32

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IL 700 Class 317/8

Extract from Arriva Rail London diagrams

Days MO  
From 22/05/2017  
To 04/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Romford		06.11	2V02			3.40	3.40
Upminster P6	06.20	06.24	2V03			3.40	6.80
Romford	06.33	06.41	2V04			3.40	10.20
Upminster P6	06.50	06.54	2V05			3.40	13.60
Romford	07.03	07.11	2V06			3.40	17.00
Upminster P6	07.20	07.24	2V07			3.40	20.40
Romford	07.33	07.41	2V10			3.40	23.80
Upminster P6	07.50	07.54	2V11			3.40	27.20
Romford	08.03	08.11	2V12			3.40	30.60
Upminster P6	08.20	08.24	2V13			3.40	34.00
Romford	08.33	08.41	2V14			3.40	37.40
Upminster P6	08.50	08.54	2V15			3.40	40.80
Romford	09.03	09.11	2V16			3.40	44.20
Upminster P6	09.20	09.24	2V17			3.40	47.60
Romford	09.33	09.41	2V18			3.40	51.00
Upminster P6	09.50	09.54	2V19			3.40	54.40
Romford	10.03	10.11	2V20			3.40	57.80
Upminster P6	10.20	10.24	2V21			3.40	61.20
Romford	10.33	10.41	2V22			3.40	64.60
Upminster P6	10.50	10.54	2V23			3.40	68.00
Romford	11.03	11.11	2V24			3.40	71.40
Upminster P6	11.20	11.24	2V25			3.40	74.80
Romford	11.33	11.41	2V26			3.40	78.20
Upminster P6	11.50	11.54	2V27			3.40	81.60
Romford	12.03	12.11	2V28			3.40	85.00
Upminster P6	12.20	12.24	2V29			3.40	88.40
Romford	12.33	12.41	2V30			3.40	91.80
Upminster P6	12.50	12.54	2V31			3.40	95.20
Romford	13.03	13.11	2V32			3.40	98.60
Upminster P6	13.20	13.24	2V33			3.40	102.00
Romford	13.33	13.41	2V34			3.40	105.40
Upminster P6	13.50	13.54	2V35			3.40	108.80
Romford	14.03	14.11	2V36			3.40	112.20
Upminster P6	14.20	14.24	2V37			3.40	115.60
Romford	14.33	14.41	2V38			3.40	119.00
Upminster P6	14.50	14.54	2V39			3.40	122.40
Romford	15.03	15.11	2V40			3.40	125.80
Upminster P6	15.20	15.24	2V41			3.40	129.20
Romford	15.33	15.41	2V42			3.40	132.60
Upminster P6	15.50	15.54	2V43			3.40	136.00
Romford	16.03	16.11	2V44			3.40	139.40
Upminster P6	16.20	16.24	2V45			3.40	142.80
Romford	16.33	16.41	2V46			3.40	146.20
Upminster P6	16.50	16.54	2V47			3.40	149.60
Romford	17.03	17.11	2V48			3.40	153.00
Upminster P6	17.20	17.24	2V49			3.40	156.40
Romford	17.33	17.41	2V50			3.40	159.80
Upminster P6	17.50	17.54	2V51			3.40	163.20
Romford	18.03	18.11	2V52			3.40	166.60
Upminster P6	18.20	18.24	2V53			3.40	170.00
Romford	18.33	18.41	2V54			3.40	173.40
Upminster P6	18.50	18.54	2V55			3.40	176.80
Romford	19.03	19.11	2V56			3.40	180.20
Upminster P6	19.20	19.24	2V57			3.40	183.60
Romford	19.33	19.41	2V58			3.40	187.00
Upminster P6	19.50	19.54	2V59			3.40	190.40
Romford	20.03	20.11	2V60			3.40	193.80
Upminster P6	20.20	20.24	2V61			3.40	197.20
Romford	20.33	20.41	2V62			3.40	200.60
Upminster P6	20.50	20.54	2V63			3.40	204.00
Romford	21.03	21.11	2V64			3.40	207.40
Upminster P6	21.20	21.24	2V65			3.40	210.80
Romford	21.33	21.41	2V66			3.40	214.20
Upminster P6	21.50	21.54	2V67			3.40	217.60
Romford	22.03	22+11	5V87			0.16	217.76
Romford Signal L450	22+13	22+20	5V87			4.45	222.21
Ilford EMUD	22+39						

Loaded 217.60  
Empty 4.61



MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IL 700 Class 317/8

Extract from Arriva Rail London diagrams

Days MSX  
From 23/05/2017  
To 08/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+33	5V02			4.00	4.00
Romford	05+44	05+48	5V02			0.49	4.49
Romford Signal L5107	05+50	05+53	5V02			0.65	5.14
Romford Signal L450	05+56	05+59	5V02			0.16	5.30
Romford	06+01	06.11	2V02			3.40	8.70
Upminster P6	06.20	06.24	2V03			3.40	12.10
Romford	06.33	06.41	2V04			3.40	15.50
Upminster P6	06.50	06.54	2V05			3.40	18.90
Romford	07.03	07.11	2V06			3.40	22.30
Upminster P6	07.20	07.24	2V07			3.40	25.70
Romford	07.33	07.41	2V10			3.40	29.10
Upminster P6	07.50	07.54	2V11			3.40	32.50
Romford	08.03	08.11	2V12			3.40	35.90
Upminster P6	08.20	08.24	2V13			3.40	39.30
Romford	08.33	08.41	2V14			3.40	42.70
Upminster P6	08.50	08.54	2V15			3.40	46.10
Romford	09.03	09.11	2V16			3.40	49.50
Upminster P6	09.20	09.24	2V17			3.40	52.90
Romford	09.33	09.41	2V18			3.40	56.30
Upminster P6	09.50	09.54	2V19			3.40	59.70
Romford	10.03	10.11	2V20			3.40	63.10
Upminster P6	10.20	10.24	2V21			3.40	66.50
Romford	10.33	10.41	2V22			3.40	69.90
Upminster P6	10.50	10.54	2V23			3.40	73.30
Romford	11.03	11.11	2V24			3.40	76.70
Upminster P6	11.20	11.24	2V25			3.40	80.10
Romford	11.33	11.41	2V26			3.40	83.50
Upminster P6	11.50	11.54	2V27			3.40	86.90
Romford	12.03	12.11	2V28			3.40	90.30
Upminster P6	12.20	12.24	2V29			3.40	93.70
Romford	12.33	12.41	2V30			3.40	97.10
Upminster P6	12.50	12.54	2V31			3.40	100.50
Romford	13.03	13.11	2V32			3.40	103.90
Upminster P6	13.20	13.24	2V33			3.40	107.30
Romford	13.33	13.41	2V34			3.40	110.70
Upminster P6	13.50	13.54	2V35			3.40	114.10
Romford	14.03	14.11	2V36			3.40	117.50
Upminster P6	14.20	14.24	2V37			3.40	120.90
Romford	14.33	14.41	2V38			3.40	124.30
Upminster P6	14.50	14.54	2V39			3.40	127.70
Romford	15.03	15.11	2V40			3.40	131.10
Upminster P6	15.20	15.24	2V41			3.40	134.50
Romford	15.33	15.41	2V42			3.40	137.90
Upminster P6	15.50	15.54	2V43			3.40	141.30
Romford	16.03	16.11	2V44			3.40	144.70
Upminster P6	16.20	16.24	2V45			3.40	148.10
Romford	16.33	16.41	2V46			3.40	151.50
Upminster P6	16.50	16.54	2V47			3.40	154.90
Romford	17.03	17.11	2V48			3.40	158.30
Upminster P6	17.20	17.24	2V49			3.40	161.70
Romford	17.33	17.41	2V50			3.40	165.10
Upminster P6	17.50	17.54	2V51			3.40	168.50
Romford	18.03	18.11	2V52			3.40	171.90
Upminster P6	18.20	18.24	2V53			3.40	175.30
Romford	18.33	18.41	2V54			3.40	178.70
Upminster P6	18.50	18.54	2V55			3.40	182.10
Romford	19.03	19.11	2V56			3.40	185.50
Upminster P6	19.20	19.24	2V57			3.40	188.90
Romford	19.33	19.41	2V58			3.40	192.30
Upminster P6	19.50	19.54	2V59			3.40	195.70
Romford	20.03	20.11	2V60			3.40	199.10
Upminster P6	20.20	20.24	2V61			3.40	202.50
Romford	20.33	20.41	2V62			3.40	205.90
Upminster P6	20.50	20.54	2V63			3.40	209.30
Romford	21.03	21.11	2V64			3.40	212.70
Upminster P6	21.20	21.24	2V65			3.40	216.10
Romford	21.33	21.41	2V66			3.40	219.50
Upminster P6	21.50	21.54	2V67			3.40	222.90
Romford	22.03	22+11	5V87			0.16	223.06

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

Romford Signal L450	22+13	22+20	5V87	4.45	227.51
Ilford EMUD	22+39				
				Loaded	217.60
				Empty	9.91
				Total	227.51

IF 139 Class 345

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 140 Class 345

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07+23	5Z01			8.00	8.00
Liverpool St	07+49	07+57	5Z02			20.50	28.50
Shenfield CS	08+40	09+08	5Z03			20.50	49.00
Liverpool St	09+49	09+57	5Z04			20.50	69.50
Shenfield CS	10+40	11+08	5Z05			20.50	90.00
Liverpool St	11+49	11+57	5Z06			20.50	110.50
Shenfield CS	12+40	13+08	5Z07			20.50	131.00
Liverpool St	13+49	13+57	5Z08			20.50	151.50
Shenfield CS	14+40	15+08	5Z09			20.50	172.00
Liverpool St	15+49	15+57	5Z10			20.50	192.50
Shenfield CS	16+40	17+08	5Z11			20.50	213.00
Liverpool St	17+49	17+57	5Z12			20.50	233.50
Shenfield CS	18+40	19+08	5Z13			20.50	254.00
Liverpool St	19+49	19+57	5Z14			20.50	274.50
Shenfield CS	20+40	21+08	5Z15			20.50	295.00
Liverpool St	21+49	21+57	5Z16			8.00	303.00
Ilford EMUD	22+19						
						Loaded	0.00
						Empty	303.00
						Total	303.00

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 141 Class 345

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08+23	5Z21			8.00	8.00
Liverpool St	08+49	08+57	5Z22			20.50	28.50
Shenfield CS	09+40	10+08	5Z23			20.50	49.00
Liverpool St	10+49	10+57	5Z24			20.50	69.50
Shenfield CS	11+40	12+08	5Z25			20.50	90.00
Liverpool St	12+49	12+57	5Z26			20.50	110.50
Shenfield CS	13+40	14+08	5Z27			20.50	131.00
Liverpool St	14+49	14+57	5Z28			20.50	151.50
Shenfield CS	15+40	16+08	5Z29			20.50	172.00
Liverpool St	16+49	16+57	5Z30			20.50	192.50
Shenfield CS	17+40	18+08	5Z31			20.50	213.00
Liverpool St	18+49	18+57	5Z32			20.50	233.50
Shenfield CS	19+40	20+08	5Z33			20.50	254.00
Liverpool St	20+49	20+57	5Z34			20.50	274.50
Shenfield CS	21+40	22+08	5Z35			12.33	286.83
Ilford EMUD	22+36						
						Loaded	0.00
						Empty	286.83
						Total	286.83

IF 160 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+45	5W03		161 (1) \ 160 (2)	12.03	12.03
Shenfield	05+06	05.14	2W03		160 (1) \ 161 (2)	20.16	32.19
Liverpool St	05.57	06.10	2W06		161 (1) \ 160 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		160 (1) \ 161 (2)	20.16	72.51
Liverpool St	07.47	08.00	2W28		161 (1) \ 160 (2)	20.16	92.67
Shenfield	08.43	08.54	2W45		160 (1) \ 161 (2)	20.16	112.83
Liverpool St	09.37	09.50	2W50		161 (1) \ 160 (2)	20.16	132.99
Shenfield	10.33	10.44	2W67		160 (1) \ 161 (2)	20.16	153.15
Liverpool St	11.27	11.40	2W72		161 (1) \ 160 (2)	20.16	173.31
Shenfield	12.23	12.34	2W89		160 (1) \ 161 (2)	20.16	193.47
Liverpool St	13.17	13.30	2W94		161 (1) \ 160 (2)	20.16	213.63
Shenfield	14.13	14.24	2W11		160 (1) \ 161 (2)	20.16	233.79
Liverpool St	15.07	15.20	2W16		161 (1) \ 160 (2)	20.16	253.95
Shenfield	16.03	16.14	2W33		160 (1) \ 161 (2)	20.16	274.11
Liverpool St	16.57	17.10	2W38		161 (1) \ 160 (2)	20.16	294.27
Shenfield	17.53	18.04	2W55		160 (1) \ 161 (2)	20.16	314.43
Liverpool St	18.47	19.00	2W66		161 (1) \ 160 (2)	20.16	334.59
Shenfield	19.43	19.54	2W77		160 (1) \ 161 (2)	20.16	354.75
Liverpool St	20.37	20.50	2W90		161 (1) \ 160 (2)	20.16	374.91
Shenfield	21.33	21.44	2W99		160 (1) \ 161 (2)	20.16	395.07
Liverpool St	22.27	22.47	2W12		161 (1) \ 160 (2)	20.16	415.23
Shenfield	23.29	23.44	2W15		160 (1) \ 161 (2)	20.16	435.39
Liverpool St	00.28	00.55	2W24		161 (1) \ 160 (2)	20.16	455.55
Shenfield	01.38						
						Loaded	443.52
						Empty	12.03
						Total	455.55

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 161 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+45	5W03		161 (1) \ 160 (2)	12.03	12.03
Shenfield	05+06	05.14	2W03		160 (1) \ 161 (2)	20.16	32.19
Liverpool St	05.57	06.10	2W06		161 (1) \ 160 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		160 (1) \ 161 (2)	20.16	72.51
Liverpool St	07.47	08.00	2W28		161 (1) \ 160 (2)	20.16	92.67
Shenfield	08.43	08.54	2W45		160 (1) \ 161 (2)	20.16	112.83
Liverpool St	09.37	09.50	2W50		161 (1) \ 160 (2)	20.16	132.99
Shenfield	10.33	10.44	2W67		160 (1) \ 161 (2)	20.16	153.15
Liverpool St	11.27	11.40	2W72		161 (1) \ 160 (2)	20.16	173.31
Shenfield	12.23	12.34	2W89		160 (1) \ 161 (2)	20.16	193.47
Liverpool St	13.17	13.30	2W94		161 (1) \ 160 (2)	20.16	213.63
Shenfield	14.13	14.24	2W11		160 (1) \ 161 (2)	20.16	233.79
Liverpool St	15.07	15.20	2W16		161 (1) \ 160 (2)	20.16	253.95
Shenfield	16.03	16.14	2W33		160 (1) \ 161 (2)	20.16	274.11
Liverpool St	16.57	17.10	2W38		161 (1) \ 160 (2)	20.16	294.27
Shenfield	17.53	18.04	2W55		160 (1) \ 161 (2)	20.16	314.43
Liverpool St	18.47	19.00	2W66		161 (1) \ 160 (2)	20.16	334.59
Shenfield	19.43	19.54	2W77		160 (1) \ 161 (2)	20.16	354.75
Liverpool St	20.37	20.50	2W90		161 (1) \ 160 (2)	20.16	374.91
Shenfield	21.33	21.44	2W99		160 (1) \ 161 (2)	20.16	395.07
Liverpool St	22.27	22.47	2W12		161 (1) \ 160 (2)	20.16	415.23
Shenfield	23.29	23.44	2W15		160 (1) \ 161 (2)	20.16	435.39
Liverpool St	00.28	00.55	2W24		161 (1) \ 160 (2)	20.16	455.55
Shenfield	01.38						
						Loaded	443.52
						Empty	12.03
						Total	455.55

IF 162 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		162 (1) \ 163 (2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		163 (1) \ 162 (2)	20.16	28.16
Shenfield	06.07	06.14	2W11		162 (1) \ 163 (2)	20.16	48.32
Liverpool St	06.57	07.10	2W18		163 (1) \ 162 (2)	20.16	68.48
Shenfield	07.53	08.04	2W35		162 (1) \ 163 (2)	20.16	88.64
Liverpool St	08.47	09.00	2W40		163 (1) \ 162 (2)	20.16	108.80
Shenfield	09.43	09.54	2W57		162 (1) \ 163 (2)	20.16	128.96
Liverpool St	10.37	10.50	2W62		163 (1) \ 162 (2)	20.16	149.12
Shenfield	11.33	11.44	2W79		162 (1) \ 163 (2)	20.16	169.28
Liverpool St	12.27	12.40	2W84		163 (1) \ 162 (2)	20.16	189.44
Shenfield	13.23	13.34	2W01		162 (1) \ 163 (2)	20.16	209.60
Liverpool St	14.17	14.30	2W06		163 (1) \ 162 (2)	20.16	229.76
Shenfield	15.13	15.24	2W23		162 (1) \ 163 (2)	20.16	249.92
Liverpool St	16.07	16.20	2W28		163 (1) \ 162 (2)	20.16	270.08
Shenfield	17.03	17.14	2W45		162 (1) \ 163 (2)	20.16	290.24
Liverpool St	17.57	18.10	2W52		163 (1) \ 162 (2)	20.16	310.40
Shenfield	18.53	19.04	2W67		162 (1) \ 163 (2)	20.16	330.56
Liverpool St	19.47	20.00	2W80		163 (1) \ 162 (2)	20.16	350.72
Shenfield	20.43	20.59	2W89		162 (1) \ 163 (2)	20.16	370.88
Liverpool St	21.42	22.05	2W04		163 (1) \ 162 (2)	20.16	391.04
Shenfield	22.48	22.56	2W09		162 (1) \ 163 (2)	20.16	411.20
Liverpool St	23.39	00.01	2C32		163 (1) \ 162 (2)	13.53	424.73
Gidea Park	00.31	00+33	5C32		163 (1) \ 162 (2)	0.53	425.26
Gidea Pk CS	00+35						
						Loaded	416.73
						Empty	8.53
						Total	425.26

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 163 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		162(1)\163(2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		163(1)\162(2)	20.16	28.16
Shenfield	06.07	06.14	2W11		162(1)\163(2)	20.16	48.32
Liverpool St	06.57	07.10	2W18		163(1)\162(2)	20.16	68.48
Shenfield	07.53	08.04	2W35		162(1)\163(2)	20.16	88.64
Liverpool St	08.47	09.00	2W40		163(1)\162(2)	20.16	108.80
Shenfield	09.43	09.54	2W57		162(1)\163(2)	20.16	128.96
Liverpool St	10.37	10.50	2W62		163(1)\162(2)	20.16	149.12
Shenfield	11.33	11.44	2W79		162(1)\163(2)	20.16	169.28
Liverpool St	12.27	12.40	2W84		163(1)\162(2)	20.16	189.44
Shenfield	13.23	13.34	2W01		162(1)\163(2)	20.16	209.60
Liverpool St	14.17	14.30	2W06		163(1)\162(2)	20.16	229.76
Shenfield	15.13	15.24	2W23		162(1)\163(2)	20.16	249.92
Liverpool St	16.07	16.20	2W28		163(1)\162(2)	20.16	270.08
Shenfield	17.03	17.14	2W45		162(1)\163(2)	20.16	290.24
Liverpool St	17.57	18.10	2W52		163(1)\162(2)	20.16	310.40
Shenfield	18.53	19.04	2W67		162(1)\163(2)	20.16	330.56
Liverpool St	19.47	20.00	2W80		163(1)\162(2)	20.16	350.72
Shenfield	20.43	20.59	2W89		162(1)\163(2)	20.16	370.88
Liverpool St	21.42	22.05	2W04		163(1)\162(2)	20.16	391.04
Shenfield	22.48	22.56	2W09		162(1)\163(2)	20.16	411.20
Liverpool St	23.39	00.01	2C32		163(1)\162(2)	13.53	424.73
Gidea Park	00.31	00+33	5C32		163(1)\162(2)	0.53	425.26
Gidea Pk CS	00+35						
						Loaded	416.73
						Empty	8.53
						Total	425.26

IF 164 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+16	3C09		165(1)\164(2)	5.93	5.93
Gidea Pk Mid Sdg	06+30	06+42	5C09		164(1)\165(2)	0.53	6.46
Gidea Park	06+44	06.46	2C09		164(1)\165(2)	13.53	19.99
Liverpool St	07.17	07.30	2W22		165(1)\164(2)	20.16	40.15
Shenfield	08.13	08.24	2W39		164(1)\165(2)	20.16	60.31
Liverpool St	09.07	09.20	2W44		165(1)\164(2)	20.16	80.47
Shenfield	10.03	10.14	2W61		164(1)\165(2)	20.16	100.63
Liverpool St	10.57	11.10	2W66		165(1)\164(2)	20.16	120.79
Shenfield	11.53	12.04	2W83		164(1)\165(2)	20.16	140.95
Liverpool St	12.47	13.00	2W88		165(1)\164(2)	20.16	161.11
Shenfield	13.43	13.54	2W05		164(1)\165(2)	20.16	181.27
Liverpool St	14.37	14.50	2W10		165(1)\164(2)	20.16	201.43
Shenfield	15.33	15.44	2W27		164(1)\165(2)	20.16	221.59
Liverpool St	16.27	16.40	2W32		165(1)\164(2)	20.16	241.75
Shenfield	17.23	17.34	2W49		164(1)\165(2)	20.16	261.91
Liverpool St	18.17	18.30	2W56		165(1)\164(2)	20.16	282.07
Shenfield	19.13	19.24	2W71		164(1)\165(2)	20.16	302.23
Liverpool St	20.07	20.20	2W84		165(1)\164(2)	20.16	322.39
Shenfield	21.03	21.14	2W93		164(1)\165(2)	20.16	342.55
Liverpool St	21.57	22.20	2W08		165(1)\164(2)	20.16	362.71
Shenfield	23.03	23.11	2W11		164(1)\165(2)	20.16	382.87
Liverpool St	23.54	00.20	2W22		165(1)\164(2)	20.16	403.03
Shenfield	01.03	01+10	5C87		164(1)\165(2)	6.69	409.72
Gidea Park	01+19	01+27	5C87		165(1)\164(2)	0.53	410.25
Gidea Pk CS	01+29						
						Loaded	402.50
						Empty	7.75
						Total	410.25



MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 165 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+16	3C09		165 (1) \ 164 (2)	5.93	5.93
Gidea Pk Mid Sdg	06+30	06+42	5C09		164 (1) \ 165 (2)	0.53	6.46
Gidea Park	06+44	06.46	2C09		164 (1) \ 165 (2)	13.53	19.99
Liverpool St	07.17	07.30	2W22		165 (1) \ 164 (2)	20.16	40.15
Shenfield	08.13	08.24	2W39		164 (1) \ 165 (2)	20.16	60.31
Liverpool St	09.07	09.20	2W44		165 (1) \ 164 (2)	20.16	80.47
Shenfield	10.03	10.14	2W61		164 (1) \ 165 (2)	20.16	100.63
Liverpool St	10.57	11.10	2W66		165 (1) \ 164 (2)	20.16	120.79
Shenfield	11.53	12.04	2W83		164 (1) \ 165 (2)	20.16	140.95
Liverpool St	12.47	13.00	2W88		165 (1) \ 164 (2)	20.16	161.11
Shenfield	13.43	13.54	2W05		164 (1) \ 165 (2)	20.16	181.27
Liverpool St	14.37	14.50	2W10		165 (1) \ 164 (2)	20.16	201.43
Shenfield	15.33	15.44	2W27		164 (1) \ 165 (2)	20.16	221.59
Liverpool St	16.27	16.40	2W32		165 (1) \ 164 (2)	20.16	241.75
Shenfield	17.23	17.34	2W49		164 (1) \ 165 (2)	20.16	261.91
Liverpool St	18.17	18.30	2W56		165 (1) \ 164 (2)	20.16	282.07
Shenfield	19.13	19.24	2W71		164 (1) \ 165 (2)	20.16	302.23
Liverpool St	20.07	20.20	2W84		165 (1) \ 164 (2)	20.16	322.39
Shenfield	21.03	21.14	2W93		164 (1) \ 165 (2)	20.16	342.55
Liverpool St	21.57	22.20	2W08		165 (1) \ 164 (2)	20.16	362.71
Shenfield	23.03	23.11	2W11		164 (1) \ 165 (2)	20.16	382.87
Liverpool St	23.54	00.20	2W22		165 (1) \ 164 (2)	20.16	403.03
Shenfield	01.03	01+10	5C87		164 (1) \ 165 (2)	6.69	409.72
Gidea Park	01+19	01+27	5C87		165 (1) \ 164 (2)	0.53	410.25
Gidea Pk CS	01+29						
						Loaded	402.50
						Empty	7.75
						Total	410.25

IF 166 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+50	5W25		167 (1) \ 166 (2)	12.03	12.03
Shenfield	07+11	07.24	2W25		166 (1) \ 167 (2)	20.16	32.19
Liverpool St	08.07	08.20	2W32		167 (1) \ 166 (2)	20.16	52.35
Shenfield	09.03	09.14	2W49		166 (1) \ 167 (2)	20.16	72.51
Liverpool St	09.57	10.10	2W54		167 (1) \ 166 (2)	20.16	92.67
Shenfield	10.53	11.04	2W71		166 (1) \ 167 (2)	20.16	112.83
Liverpool St	11.47	12.00	2W76		167 (1) \ 166 (2)	20.16	132.99
Shenfield	12.43	12.54	2W93		166 (1) \ 167 (2)	20.16	153.15
Liverpool St	13.37	13.50	2W98		167 (1) \ 166 (2)	20.16	173.31
Shenfield	14.33	14.44	2W15		166 (1) \ 167 (2)	20.16	193.47
Liverpool St	15.27	15.40	2W20		167 (1) \ 166 (2)	20.16	213.63
Shenfield	16.23	16.34	2W37		166 (1) \ 167 (2)	20.16	233.79
Liverpool St	17.17	17.30	2W42		167 (1) \ 166 (2)	20.16	253.95
Shenfield	18.13	18.24	2W59		166 (1) \ 167 (2)	20.16	274.11
Liverpool St	19.07	19.20	2W72		167 (1) \ 166 (2)	20.16	294.27
Shenfield	20.03	20.14	2W81		166 (1) \ 167 (2)	20.16	314.43
Liverpool St	20.57	21.05	2W92		167 (1) \ 166 (2)	20.16	334.59
Shenfield	21.48	21.59	2W01		166 (1) \ 167 (2)	20.16	354.75
Liverpool St	22.42	23.05	2W14		167 (1) \ 166 (2)	20.16	374.91
Shenfield	23.48	23+57	5C85		166 (1) \ 167 (2)	6.69	381.60
Gidea Park	00+06	00+12	5C85		167 (1) \ 166 (2)	0.53	382.13
Gidea Pk CS	00+14						
						Loaded	362.88
						Empty	19.25
						Total	382.13

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 167 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+50	5W25		167(1)\166(2)	12.03	12.03
Shenfield	07+11	07.24	2W25		166(1)\167(2)	20.16	32.19
Liverpool St	08.07	08.20	2W32		167(1)\166(2)	20.16	52.35
Shenfield	09.03	09.14	2W49		166(1)\167(2)	20.16	72.51
Liverpool St	09.57	10.10	2W54		167(1)\166(2)	20.16	92.67
Shenfield	10.53	11.04	2W71		166(1)\167(2)	20.16	112.83
Liverpool St	11.47	12.00	2W76		167(1)\166(2)	20.16	132.99
Shenfield	12.43	12.54	2W93		166(1)\167(2)	20.16	153.15
Liverpool St	13.37	13.50	2W98		167(1)\166(2)	20.16	173.31
Shenfield	14.33	14.44	2W15		166(1)\167(2)	20.16	193.47
Liverpool St	15.27	15.40	2W20		167(1)\166(2)	20.16	213.63
Shenfield	16.23	16.34	2W37		166(1)\167(2)	20.16	233.79
Liverpool St	17.17	17.30	2W42		167(1)\166(2)	20.16	253.95
Shenfield	18.13	18.24	2W59		166(1)\167(2)	20.16	274.11
Liverpool St	19.07	19.20	2W72		167(1)\166(2)	20.16	294.27
Shenfield	20.03	20.14	2W81		166(1)\167(2)	20.16	314.43
Liverpool St	20.57	21.05	2W92		167(1)\166(2)	20.16	334.59
Shenfield	21.48	21.59	2W01		166(1)\167(2)	20.16	354.75
Liverpool St	22.42	23.05	2W14		167(1)\166(2)	20.16	374.91
Shenfield	23.48	23+57	5C85		166(1)\167(2)	6.69	381.60
Gidea Park	00+06	00+12	5C85		167(1)\166(2)	0.53	382.13
Gidea Pk CS	00+14						
						Loaded	362.88
						Empty	19.25
						Total	382.13

IF 168 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		18+30	5C74		169(1)\168(2)	5.93	5.93
Gidea Pk CS	18+45						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 169 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		18+30	5C74		169(1)\168(2)	5.93	5.93
Gidea Pk CS	18+45						
						Loaded	0.00
						Empty	5.93
						Total	5.93

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 170 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 171 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 172 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 173 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 174 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+12	5C03		174 (1) \175 (2)	0.53	0.53
Gidea Park	06+14	06.16	2C03		174 (1) \175 (2)	13.53	14.06
Liverpool St	06.47	07.00	2W16		175 (1) \174 (2)	20.16	34.22
Shenfield	07.43	07.54	2W33		174 (1) \175 (2)	20.16	54.38
Liverpool St	08.37	08.50	2W38		175 (1) \174 (2)	20.16	74.54
Shenfield	09.33	09.44	2W55		174 (1) \175 (2)	20.16	94.70
Liverpool St	10.27	10.40	2W60		175 (1) \174 (2)	20.16	114.86
Shenfield	11.23	11.34	2W77		174 (1) \175 (2)	20.16	135.02
Liverpool St	12.17	12.30	2W82		175 (1) \174 (2)	20.16	155.18
Shenfield	13.13	13.24	2W99		174 (1) \175 (2)	20.16	175.34
Liverpool St	14.07	14.20	2W04		175 (1) \174 (2)	20.16	195.50
Shenfield	15.03	15.14	2W21		174 (1) \175 (2)	20.16	215.66
Liverpool St	15.57	16.10	2W26		175 (1) \174 (2)	20.16	235.82
Shenfield	16.53	17.04	2W43		174 (1) \175 (2)	20.16	255.98
Liverpool St	17.47	18.00	2W50		175 (1) \174 (2)	20.16	276.14
Shenfield	18.43	18.54	2W65		174 (1) \175 (2)	20.16	296.30
Liverpool St	19.37	19.50	2W78		175 (1) \174 (2)	20.16	316.46
Shenfield	20.33	20.44	2W87		174 (1) \175 (2)	20.16	336.62
Liverpool St	21.27	21.50	2W02		175 (1) \174 (2)	20.16	356.78
Shenfield	22.33	22.41	2W07		174 (1) \175 (2)	20.16	376.94
Liverpool St	23.24	23.47	2W20		175 (1) \174 (2)	20.16	397.10
Shenfield	00.26	00+40	5V81		174 (1) \175 (2)	12.03	409.13
Ilford EMUD	01+05						
						Loaded	396.57
						Empty	12.56
						Total	409.13

IF 175 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+12	5C03		174 (1) \175 (2)	0.53	0.53
Gidea Park	06+14	06.16	2C03		174 (1) \175 (2)	13.53	14.06
Liverpool St	06.47	07.00	2W16		175 (1) \174 (2)	20.16	34.22
Shenfield	07.43	07.54	2W33		174 (1) \175 (2)	20.16	54.38
Liverpool St	08.37	08.50	2W38		175 (1) \174 (2)	20.16	74.54
Shenfield	09.33	09.44	2W55		174 (1) \175 (2)	20.16	94.70
Liverpool St	10.27	10.40	2W60		175 (1) \174 (2)	20.16	114.86
Shenfield	11.23	11.34	2W77		174 (1) \175 (2)	20.16	135.02
Liverpool St	12.17	12.30	2W82		175 (1) \174 (2)	20.16	155.18
Shenfield	13.13	13.24	2W99		174 (1) \175 (2)	20.16	175.34
Liverpool St	14.07	14.20	2W04		175 (1) \174 (2)	20.16	195.50
Shenfield	15.03	15.14	2W21		174 (1) \175 (2)	20.16	215.66
Liverpool St	15.57	16.10	2W26		175 (1) \174 (2)	20.16	235.82
Shenfield	16.53	17.04	2W43		174 (1) \175 (2)	20.16	255.98
Liverpool St	17.47	18.00	2W50		175 (1) \174 (2)	20.16	276.14
Shenfield	18.43	18.54	2W65		174 (1) \175 (2)	20.16	296.30
Liverpool St	19.37	19.50	2W78		175 (1) \174 (2)	20.16	316.46
Shenfield	20.33	20.44	2W87		174 (1) \175 (2)	20.16	336.62
Liverpool St	21.27	21.50	2W02		175 (1) \174 (2)	20.16	356.78
Shenfield	22.33	22.41	2W07		174 (1) \175 (2)	20.16	376.94
Liverpool St	23.24	23.47	2W20		175 (1) \174 (2)	20.16	397.10
Shenfield	00.26	00+40	5V81		174 (1) \175 (2)	12.03	409.13
Ilford EMUD	01+05						
						Loaded	396.57
						Empty	12.56
						Total	409.13

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 176 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+32	5C05		176(1)\177(2)	0.53	0.53
Gidea Park	06+34	06.36	2C05		176(1)\177(2)	13.53	14.06
Liverpool St	07.07	07.20	2W20		177(1)\176(2)	20.16	34.22
Shenfield	08.03	08.14	2W37		176(1)\177(2)	20.16	54.38
Liverpool St	08.57	09.10	2W42		177(1)\176(2)	20.16	74.54
Shenfield	09.53	10.04	2W59		176(1)\177(2)	20.16	94.70
Liverpool St	10.47	11.00	2W64		177(1)\176(2)	20.16	114.86
Shenfield	11.43	11.54	2W81		176(1)\177(2)	20.16	135.02
Liverpool St	12.37	12.50	2W86		177(1)\176(2)	20.16	155.18
Shenfield	13.33	13.44	2W03		176(1)\177(2)	20.16	175.34
Liverpool St	14.27	14.40	2W08		177(1)\176(2)	20.16	195.50
Shenfield	15.23	15.34	2W25		176(1)\177(2)	20.16	215.66
Liverpool St	16.17	16.30	2W30		177(1)\176(2)	20.16	235.82
Shenfield	17.13	17.24	2W47		176(1)\177(2)	20.16	255.98
Liverpool St	18.07	18.20	2W54		177(1)\176(2)	20.16	276.14
Shenfield	19.03	19.14	2W69		176(1)\177(2)	20.16	296.30
Liverpool St	19.57	20.10	2W82		177(1)\176(2)	20.16	316.46
Shenfield	20.53	21+04	5V75		176(1)\177(2)	12.03	328.49
Ilford EMUD	21+34						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>12.56</b>
						<b>Total</b>	<b>328.49</b>

IF 177 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+32	5C05		176(1)\177(2)	0.53	0.53
Gidea Park	06+34	06.36	2C05		176(1)\177(2)	13.53	14.06
Liverpool St	07.07	07.20	2W20		177(1)\176(2)	20.16	34.22
Shenfield	08.03	08.14	2W37		176(1)\177(2)	20.16	54.38
Liverpool St	08.57	09.10	2W42		177(1)\176(2)	20.16	74.54
Shenfield	09.53	10.04	2W59		176(1)\177(2)	20.16	94.70
Liverpool St	10.47	11.00	2W64		177(1)\176(2)	20.16	114.86
Shenfield	11.43	11.54	2W81		176(1)\177(2)	20.16	135.02
Liverpool St	12.37	12.50	2W86		177(1)\176(2)	20.16	155.18
Shenfield	13.33	13.44	2W03		176(1)\177(2)	20.16	175.34
Liverpool St	14.27	14.40	2W08		177(1)\176(2)	20.16	195.50
Shenfield	15.23	15.34	2W25		176(1)\177(2)	20.16	215.66
Liverpool St	16.17	16.30	2W30		177(1)\176(2)	20.16	235.82
Shenfield	17.13	17.24	2W47		176(1)\177(2)	20.16	255.98
Liverpool St	18.07	18.20	2W54		177(1)\176(2)	20.16	276.14
Shenfield	19.03	19.14	2W69		176(1)\177(2)	20.16	296.30
Liverpool St	19.57	20.10	2W82		177(1)\176(2)	20.16	316.46
Shenfield	20.53	21+04	5V75		176(1)\177(2)	12.03	328.49
Ilford EMUD	21+34						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>12.56</b>
						<b>Total</b>	<b>328.49</b>

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 178 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+52	5W23		179 (1) \ 178 (2)	6.16	6.16
Shenfield	07+03	07.14	2W23		178 (1) \ 179 (2)	20.16	26.32
Liverpool St	07.57	08.10	2W30		179 (1) \ 178 (2)	20.16	46.48
Shenfield	08.53	09.04	2W47		178 (1) \ 179 (2)	20.16	66.64
Liverpool St	09.47	10.00	2W52		179 (1) \ 178 (2)	20.16	86.80
Shenfield	10.43	10.54	2W69		178 (1) \ 179 (2)	20.16	106.96
Liverpool St	11.37	11.50	2W74		179 (1) \ 178 (2)	20.16	127.12
Shenfield	12.33	12.44	2W91		178 (1) \ 179 (2)	20.16	147.28
Liverpool St	13.27	13.40	2W96		179 (1) \ 178 (2)	20.16	167.44
Shenfield	14.23	14.34	2W13		178 (1) \ 179 (2)	20.16	187.60
Liverpool St	15.17	15.30	2W18		179 (1) \ 178 (2)	20.16	207.76
Shenfield	16.13	16.24	2W35		178 (1) \ 179 (2)	20.16	227.92
Liverpool St	17.07	17.20	2W40		179 (1) \ 178 (2)	20.16	248.08
Shenfield	18.03	18.14	2W57		178 (1) \ 179 (2)	20.16	268.24
Liverpool St	18.57	19.10	2W68		179 (1) \ 178 (2)	20.16	288.40
Shenfield	19.53	20.04	2W79		178 (1) \ 179 (2)	20.16	308.56
Liverpool St	20.47	20+54	5V80		179 (1) \ 178 (2)	8.00	316.56
Ilford EMUD	21+19	21+25	5C80		179 (1) \ 178 (2)	5.93	322.49
Gidea Pk CS	21+40						
						<b>Loaded</b>	<b>302.40</b>
						<b>Empty</b>	<b>20.09</b>
						<b>Total</b>	<b>322.49</b>

IF 179 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+52	5W23		179 (1) \ 178 (2)	6.16	6.16
Shenfield	07+03	07.14	2W23		178 (1) \ 179 (2)	20.16	26.32
Liverpool St	07.57	08.10	2W30		179 (1) \ 178 (2)	20.16	46.48
Shenfield	08.53	09.04	2W47		178 (1) \ 179 (2)	20.16	66.64
Liverpool St	09.47	10.00	2W52		179 (1) \ 178 (2)	20.16	86.80
Shenfield	10.43	10.54	2W69		178 (1) \ 179 (2)	20.16	106.96
Liverpool St	11.37	11.50	2W74		179 (1) \ 178 (2)	20.16	127.12
Shenfield	12.33	12.44	2W91		178 (1) \ 179 (2)	20.16	147.28
Liverpool St	13.27	13.40	2W96		179 (1) \ 178 (2)	20.16	167.44
Shenfield	14.23	14.34	2W13		178 (1) \ 179 (2)	20.16	187.60
Liverpool St	15.17	15.30	2W18		179 (1) \ 178 (2)	20.16	207.76
Shenfield	16.13	16.24	2W35		178 (1) \ 179 (2)	20.16	227.92
Liverpool St	17.07	17.20	2W40		179 (1) \ 178 (2)	20.16	248.08
Shenfield	18.03	18.14	2W57		178 (1) \ 179 (2)	20.16	268.24
Liverpool St	18.57	19.10	2W68		179 (1) \ 178 (2)	20.16	288.40
Shenfield	19.53	20.04	2W79		178 (1) \ 179 (2)	20.16	308.56
Liverpool St	20.47	20+54	5V80		179 (1) \ 178 (2)	8.00	316.56
Ilford EMUD	21+19	21+25	5C80		179 (1) \ 178 (2)	5.93	322.49
Gidea Pk CS	21+40						
						<b>Loaded</b>	<b>302.40</b>
						<b>Empty</b>	<b>20.09</b>
						<b>Total</b>	<b>322.49</b>

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 180 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+02	5C11		180 (1) \ 181 (2)	0.53	0.53
Gidea Park	07+04	07.06	2C11		180 (1) \ 181 (2)	13.53	14.06
Liverpool St	07.37	07.50	2W26		181 (1) \ 180 (2)	20.16	34.22
Shenfield	08.33	08.44	2W43		180 (1) \ 181 (2)	20.16	54.38
Liverpool St	09.27	09.40	2W48		181 (1) \ 180 (2)	20.16	74.54
Shenfield	10.23	10.34	2W65		180 (1) \ 181 (2)	20.16	94.70
Liverpool St	11.17	11.30	2W70		181 (1) \ 180 (2)	20.16	114.86
Shenfield	12.13	12.24	2W87		180 (1) \ 181 (2)	20.16	135.02
Liverpool St	13.07	13.20	2W92		181 (1) \ 180 (2)	20.16	155.18
Shenfield	14.03	14.14	2W09		180 (1) \ 181 (2)	20.16	175.34
Liverpool St	14.57	15.10	2W14		181 (1) \ 180 (2)	20.16	195.50
Shenfield	15.53	16.04	2W31		180 (1) \ 181 (2)	20.16	215.66
Liverpool St	16.47	17.00	2W36		181 (1) \ 180 (2)	20.16	235.82
Shenfield	17.43	17.54	2W53		180 (1) \ 181 (2)	20.16	255.98
Liverpool St	18.37	18.50	2W62		181 (1) \ 180 (2)	20.16	276.14
Shenfield	19.33	19.44	2W75		180 (1) \ 181 (2)	20.16	296.30
Liverpool St	20.27	20.40	2W88		181 (1) \ 180 (2)	20.16	316.46
Shenfield	21.23	21+24	5W90		181 (1) \ 180 (2)	0.30	316.76
Shenfield CS	21+26						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>0.83</b>
						<b>Total</b>	<b>316.76</b>

IF 181 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+02	5C11		180 (1) \ 181 (2)	0.53	0.53
Gidea Park	07+04	07.06	2C11		180 (1) \ 181 (2)	13.53	14.06
Liverpool St	07.37	07.50	2W26		181 (1) \ 180 (2)	20.16	34.22
Shenfield	08.33	08.44	2W43		180 (1) \ 181 (2)	20.16	54.38
Liverpool St	09.27	09.40	2W48		181 (1) \ 180 (2)	20.16	74.54
Shenfield	10.23	10.34	2W65		180 (1) \ 181 (2)	20.16	94.70
Liverpool St	11.17	11.30	2W70		181 (1) \ 180 (2)	20.16	114.86
Shenfield	12.13	12.24	2W87		180 (1) \ 181 (2)	20.16	135.02
Liverpool St	13.07	13.20	2W92		181 (1) \ 180 (2)	20.16	155.18
Shenfield	14.03	14.14	2W09		180 (1) \ 181 (2)	20.16	175.34
Liverpool St	14.57	15.10	2W14		181 (1) \ 180 (2)	20.16	195.50
Shenfield	15.53	16.04	2W31		180 (1) \ 181 (2)	20.16	215.66
Liverpool St	16.47	17.00	2W36		181 (1) \ 180 (2)	20.16	235.82
Shenfield	17.43	17.54	2W53		180 (1) \ 181 (2)	20.16	255.98
Liverpool St	18.37	18.50	2W62		181 (1) \ 180 (2)	20.16	276.14
Shenfield	19.33	19.44	2W75		180 (1) \ 181 (2)	20.16	296.30
Liverpool St	20.27	20.40	2W88		181 (1) \ 180 (2)	20.16	316.46
Shenfield	21.23	21+24	5W90		181 (1) \ 180 (2)	0.30	316.76
Shenfield CS	21+26						
						<b>Loaded</b>	<b>315.93</b>
						<b>Empty</b>	<b>0.83</b>
						<b>Total</b>	<b>316.76</b>

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 182 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+22	5W29		183(1)\182(2)	6.16	6.16
Shenfield	07+33	07.44	2W29		182(1)\183(2)	20.16	26.32
Liverpool St	08.27	08.40	2W36		183(1)\182(2)	20.16	46.48
Shenfield	09.23	09.34	2W53		182(1)\183(2)	20.16	66.64
Liverpool St	10.17	10.30	2W58		183(1)\182(2)	20.16	86.80
Shenfield	11.13	11.24	2W75		182(1)\183(2)	20.16	106.96
Liverpool St	12.07	12.20	2W80		183(1)\182(2)	20.16	127.12
Shenfield	13.03	13.14	2W97		182(1)\183(2)	20.16	147.28
Liverpool St	13.57	14.10	2W02		183(1)\182(2)	20.16	167.44
Shenfield	14.53	15.04	2W19		182(1)\183(2)	20.16	187.60
Liverpool St	15.47	16.00	2W24		183(1)\182(2)	20.16	207.76
Shenfield	16.43	16.54	2W41		182(1)\183(2)	20.16	227.92
Liverpool St	17.37	17.50	2W48		183(1)\182(2)	20.16	248.08
Shenfield	18.33	18.44	2W63		182(1)\183(2)	20.16	268.24
Liverpool St	19.27	19.40	2W76		183(1)\182(2)	20.16	288.40
Shenfield	20.23	20.34	2W85		182(1)\183(2)	20.16	308.56
Liverpool St	21.17	21.35	2W98		183(1)\182(2)	20.16	328.72
Shenfield	22.18	22.29	2W05		182(1)\183(2)	20.16	348.88
Liverpool St	23.12	23.35	2W18		183(1)\182(2)	20.16	369.04
Shenfield	00.18	00+25	5V79		182(1)\183(2)	12.03	381.07
Ilford EMUD	00+50						
Loaded							362.88
Empty							18.19
Total							381.07

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IF 183 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+22	5W29		183(1)\182(2)	6.16	6.16
Shenfield	07+33	07.44	2W29		182(1)\183(2)	20.16	26.32
Liverpool St	08.27	08.40	2W36		183(1)\182(2)	20.16	46.48
Shenfield	09.23	09.34	2W53		182(1)\183(2)	20.16	66.64
Liverpool St	10.17	10.30	2W58		183(1)\182(2)	20.16	86.80
Shenfield	11.13	11.24	2W75		182(1)\183(2)	20.16	106.96
Liverpool St	12.07	12.20	2W80		183(1)\182(2)	20.16	127.12
Shenfield	13.03	13.14	2W97		182(1)\183(2)	20.16	147.28
Liverpool St	13.57	14.10	2W02		183(1)\182(2)	20.16	167.44
Shenfield	14.53	15.04	2W19		182(1)\183(2)	20.16	187.60
Liverpool St	15.47	16.00	2W24		183(1)\182(2)	20.16	207.76
Shenfield	16.43	16.54	2W41		182(1)\183(2)	20.16	227.92
Liverpool St	17.37	17.50	2W48		183(1)\182(2)	20.16	248.08
Shenfield	18.33	18.44	2W63		182(1)\183(2)	20.16	268.24
Liverpool St	19.27	19.40	2W76		183(1)\182(2)	20.16	288.40
Shenfield	20.23	20.34	2W85		182(1)\183(2)	20.16	308.56
Liverpool St	21.17	21.35	2W98		183(1)\182(2)	20.16	328.72
Shenfield	22.18	22.29	2W05		182(1)\183(2)	20.16	348.88
Liverpool St	23.12	23.35	2W18		183(1)\182(2)	20.16	369.04
Shenfield	00.18	00+25	5V79		182(1)\183(2)	12.03	381.07
Ilford EMUD	00+50						
Loaded							362.88
Empty							18.19
Total							381.07

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 184 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		17+11	5V73		184 (1) \185 (2)	5.93	5.93
Ilford EMUD	17+30						
						Loaded	0.00
						Empty	5.93
						Total	5.93

---

IF 185 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		17+11	5V73		184 (1) \185 (2)	5.93	5.93
Ilford EMUD	17+30						
						Loaded	0.00
						Empty	5.93
						Total	5.93

---

IF 186 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

---

IF 187 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

---

IF 188 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

---

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 189 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Gidea Pk CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

---

IF 190 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Gidea Pk CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

---

IF 191 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Gidea Pk CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

---

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 192 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		192(1)\193(2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		193(1)\192(2)	20.16	40.32
Shenfield	06.23	06.44	2W17		192(1)\193(2)	20.16	60.48
Liverpool St	07.27	07.40	2W24		193(1)\192(2)	20.16	80.64
Shenfield	08.23	08.34	2W41		192(1)\193(2)	20.16	100.80
Liverpool St	09.17	09.30	2W46		193(1)\192(2)	20.16	120.96
Shenfield	10.13	10.24	2W63		192(1)\193(2)	20.16	141.12
Liverpool St	11.07	11.20	2W68		193(1)\192(2)	20.16	161.28
Shenfield	12.03	12.14	2W85		192(1)\193(2)	20.16	181.44
Liverpool St	12.57	13.10	2W90		193(1)\192(2)	20.16	201.60
Shenfield	13.53	14.04	2W07		192(1)\193(2)	20.16	221.76
Liverpool St	14.47	15.00	2W12		193(1)\192(2)	20.16	241.92
Shenfield	15.43	15.54	2W29		192(1)\193(2)	20.16	262.08
Liverpool St	16.37	16.50	2W34		193(1)\192(2)	20.16	282.24
Shenfield	17.33	17.44	2W51		192(1)\193(2)	20.16	302.40
Liverpool St	18.27	18.40	2W60		193(1)\192(2)	20.16	322.56
Shenfield	19.23	19.34	2W73		192(1)\193(2)	20.16	342.72
Liverpool St	20.17	20.30	2W86		193(1)\192(2)	20.16	362.88
Shenfield	21.13	21.29	2W95		192(1)\193(2)	20.16	383.04
Liverpool St	22.12	22.35	2W10		193(1)\192(2)	20.16	403.20
Shenfield	23.18	23.26	2W13		192(1)\193(2)	20.16	423.36
Liverpool St	00.09	00.35	2C34		193(1)\192(2)	13.53	436.89
Gidea Park	01.05	01+06	5C34		193(1)\192(2)	0.53	437.42
Gidea Pk CS	01+08						
						Loaded	436.89
						Empty	0.53
						Total	437.42

IF 193 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		192(1)\193(2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		193(1)\192(2)	20.16	40.32
Shenfield	06.23	06.44	2W17		192(1)\193(2)	20.16	60.48
Liverpool St	07.27	07.40	2W24		193(1)\192(2)	20.16	80.64
Shenfield	08.23	08.34	2W41		192(1)\193(2)	20.16	100.80
Liverpool St	09.17	09.30	2W46		193(1)\192(2)	20.16	120.96
Shenfield	10.13	10.24	2W63		192(1)\193(2)	20.16	141.12
Liverpool St	11.07	11.20	2W68		193(1)\192(2)	20.16	161.28
Shenfield	12.03	12.14	2W85		192(1)\193(2)	20.16	181.44
Liverpool St	12.57	13.10	2W90		193(1)\192(2)	20.16	201.60
Shenfield	13.53	14.04	2W07		192(1)\193(2)	20.16	221.76
Liverpool St	14.47	15.00	2W12		193(1)\192(2)	20.16	241.92
Shenfield	15.43	15.54	2W29		192(1)\193(2)	20.16	262.08
Liverpool St	16.37	16.50	2W34		193(1)\192(2)	20.16	282.24
Shenfield	17.33	17.44	2W51		192(1)\193(2)	20.16	302.40
Liverpool St	18.27	18.40	2W60		193(1)\192(2)	20.16	322.56
Shenfield	19.23	19.34	2W73		192(1)\193(2)	20.16	342.72
Liverpool St	20.17	20.30	2W86		193(1)\192(2)	20.16	362.88
Shenfield	21.13	21.29	2W95		192(1)\193(2)	20.16	383.04
Liverpool St	22.12	22.35	2W10		193(1)\192(2)	20.16	403.20
Shenfield	23.18	23.26	2W13		192(1)\193(2)	20.16	423.36
Liverpool St	00.09	00.35	2C34		193(1)\192(2)	13.53	436.89
Gidea Park	01.05	01+06	5C34		193(1)\192(2)	0.53	437.42
Gidea Pk CS	01+08						
						Loaded	436.89
						Empty	0.53
						Total	437.42

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 194 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		194 (1) \ 195 (2)	0.30	0.30
Shenfield	05+43	05.44	2W07		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		195 (1) \ 194 (2)	20.16	40.62
Shenfield	07.23	07.34	2W27		194 (1) \ 195 (2)	20.16	60.78
Liverpool St	08.17	08.30	2W34		195 (1) \ 194 (2)	20.16	80.94
Shenfield	09.13	09.24	2W51		194 (1) \ 195 (2)	20.16	101.10
Liverpool St	10.07	10.20	2W56		195 (1) \ 194 (2)	20.16	121.26
Shenfield	11.03	11.14	2W73		194 (1) \ 195 (2)	20.16	141.42
Liverpool St	11.57	12.10	2W78		195 (1) \ 194 (2)	20.16	161.58
Shenfield	12.53	13.04	2W95		194 (1) \ 195 (2)	20.16	181.74
Liverpool St	13.47	14.00	2W00		195 (1) \ 194 (2)	20.16	201.90
Shenfield	14.43	14.54	2W17		194 (1) \ 195 (2)	20.16	222.06
Liverpool St	15.37	15.50	2W22		195 (1) \ 194 (2)	20.16	242.22
Shenfield	16.33	16.44	2W39		194 (1) \ 195 (2)	20.16	262.38
Liverpool St	17.27	17.40	2W44		195 (1) \ 194 (2)	20.16	282.54
Shenfield	18.23	18.34	2W61		194 (1) \ 195 (2)	20.16	302.70
Liverpool St	19.17	19.30	2W74		195 (1) \ 194 (2)	20.16	322.86
Shenfield	20.13	20.24	2W83		194 (1) \ 195 (2)	20.16	343.02
Liverpool St	21.07	21.20	2W96		195 (1) \ 194 (2)	20.16	363.18
Shenfield	22.03	22.14	2W03		194 (1) \ 195 (2)	20.16	383.34
Liverpool St	22.57	23.17	2W16		195 (1) \ 194 (2)	20.16	403.50
Shenfield	23.56	00+03	5V77		194 (1) \ 195 (2)	12.03	415.53
Ilford EMUD	00+31						
						Loaded	403.20
						Empty	12.33
						Total	415.53

IF 195 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		194 (1) \ 195 (2)	0.30	0.30
Shenfield	05+43	05.44	2W07		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		195 (1) \ 194 (2)	20.16	40.62
Shenfield	07.23	07.34	2W27		194 (1) \ 195 (2)	20.16	60.78
Liverpool St	08.17	08.30	2W34		195 (1) \ 194 (2)	20.16	80.94
Shenfield	09.13	09.24	2W51		194 (1) \ 195 (2)	20.16	101.10
Liverpool St	10.07	10.20	2W56		195 (1) \ 194 (2)	20.16	121.26
Shenfield	11.03	11.14	2W73		194 (1) \ 195 (2)	20.16	141.42
Liverpool St	11.57	12.10	2W78		195 (1) \ 194 (2)	20.16	161.58
Shenfield	12.53	13.04	2W95		194 (1) \ 195 (2)	20.16	181.74
Liverpool St	13.47	14.00	2W00		195 (1) \ 194 (2)	20.16	201.90
Shenfield	14.43	14.54	2W17		194 (1) \ 195 (2)	20.16	222.06
Liverpool St	15.37	15.50	2W22		195 (1) \ 194 (2)	20.16	242.22
Shenfield	16.33	16.44	2W39		194 (1) \ 195 (2)	20.16	262.38
Liverpool St	17.27	17.40	2W44		195 (1) \ 194 (2)	20.16	282.54
Shenfield	18.23	18.34	2W61		194 (1) \ 195 (2)	20.16	302.70
Liverpool St	19.17	19.30	2W74		195 (1) \ 194 (2)	20.16	322.86
Shenfield	20.13	20.24	2W83		194 (1) \ 195 (2)	20.16	343.02
Liverpool St	21.07	21.20	2W96		195 (1) \ 194 (2)	20.16	363.18
Shenfield	22.03	22.14	2W03		194 (1) \ 195 (2)	20.16	383.34
Liverpool St	22.57	23.17	2W16		195 (1) \ 194 (2)	20.16	403.50
Shenfield	23.56	00+03	5V77		194 (1) \ 195 (2)	12.03	415.53
Ilford EMUD	00+31						
						Loaded	403.20
						Empty	12.33
						Total	415.53

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 196 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 197 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 198 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 199 Class 315/0

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IL 700 Class 317/8

Extract from Arriva Rail London diagrams

Days SO  
From 27/05/2017  
To 09/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+29	5V02			4.00	4.00
Romford	05+40	05+45	5V02			0.49	4.49
Romford Signal L5107	05+47	05+50	5V02			0.65	5.14
Romford Signal L450	05+53	05+56	5V02			0.16	5.30
Romford	05+58	06.11	2V02			3.40	8.70
Upminster P6	06.20	06.24	2V03			3.40	12.10
Romford	06.33	06.41	2V04			3.40	15.50
Upminster P6	06.50	06.54	2V05			3.40	18.90
Romford	07.03	07.11	2V06			3.40	22.30
Upminster P6	07.20	07.24	2V07			3.40	25.70
Romford	07.33	07.41	2V10			3.40	29.10
Upminster P6	07.50	07.54	2V11			3.40	32.50
Romford	08.03	08.11	2V12			3.40	35.90
Upminster P6	08.20	08.24	2V13			3.40	39.30
Romford	08.33	08.41	2V14			3.40	42.70
Upminster P6	08.50	08.54	2V15			3.40	46.10
Romford	09.03	09.11	2V16			3.40	49.50
Upminster P6	09.20	09.24	2V17			3.40	52.90
Romford	09.33	09.41	2V18			3.40	56.30
Upminster P6	09.50	09.54	2V19			3.40	59.70
Romford	10.03	10.11	2V20			3.40	63.10
Upminster P6	10.20	10.24	2V21			3.40	66.50
Romford	10.33	10.41	2V22			3.40	69.90
Upminster P6	10.50	10.54	2V23			3.40	73.30
Romford	11.03	11.11	2V24			3.40	76.70
Upminster P6	11.20	11.24	2V25			3.40	80.10
Romford	11.33	11.41	2V26			3.40	83.50
Upminster P6	11.50	11.54	2V27			3.40	86.90
Romford	12.03	12.11	2V28			3.40	90.30
Upminster P6	12.20	12.24	2V29			3.40	93.70
Romford	12.33	12.41	2V30			3.40	97.10
Upminster P6	12.50	12.54	2V31			3.40	100.50
Romford	13.03	13.11	2V32			3.40	103.90
Upminster P6	13.20	13.24	2V33			3.40	107.30
Romford	13.33	13.41	2V34			3.40	110.70
Upminster P6	13.50	13.54	2V35			3.40	114.10
Romford	14.03	14.11	2V36			3.40	117.50
Upminster P6	14.20	14.24	2V37			3.40	120.90
Romford	14.33	14.41	2V38			3.40	124.30
Upminster P6	14.50	14.54	2V39			3.40	127.70
Romford	15.03	15.11	2V40			3.40	131.10
Upminster P6	15.20	15.24	2V41			3.40	134.50
Romford	15.33	15.41	2V42			3.40	137.90
Upminster P6	15.50	15.54	2V43			3.40	141.30
Romford	16.03	16.11	2V44			3.40	144.70
Upminster P6	16.20	16.24	2V45			3.40	148.10
Romford	16.33	16.41	2V46			3.40	151.50
Upminster P6	16.50	16.54	2V47			3.40	154.90
Romford	17.03	17.11	2V48			3.40	158.30
Upminster P6	17.20	17.24	2V49			3.40	161.70
Romford	17.33	17.41	2V50			3.40	165.10
Upminster P6	17.50	17.54	2V51			3.40	168.50
Romford	18.03	18.11	2V52			3.40	171.90
Upminster P6	18.20	18.24	2V53			3.40	175.30
Romford	18.33	18.41	2V54			3.40	178.70
Upminster P6	18.50	18.54	2V55			3.40	182.10
Romford	19.03	19.11	2V56			3.40	185.50
Upminster P6	19.20	19.24	2V57			3.40	188.90
Romford	19.33	19.41	2V58			3.40	192.30
Upminster P6	19.50	19.54	2V59			3.40	195.70
Romford	20.03	20.11	2V60			3.40	199.10
Upminster P6	20.20	20.24	2V61			3.40	202.50
Romford	20.33	20.41	2V62			3.40	205.90
Upminster P6	20.50	20.54	2V63			3.40	209.30
Romford	21.03	21.11	2V64			3.40	212.70
Upminster P6	21.20	21.24	2V65			3.40	216.10
Romford	21.33	21.41	2V66			3.40	219.50
Upminster P6	21.50	21.54	2V67			3.40	222.90
Romford	22.03						

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

Loaded	217.60
Empty	5.30
Total	222.90

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 139 Class 345

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 140 Class 345

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

---

IF 141 Class 345

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 160 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.15	3C05		161(1)\160(2)	5.93	5.93
Gidea Pk Mid Sdg	07.29	07+38	5C05		160(1)\161(2)	0.53	6.46
Gidea Park	07+40	07.41	2C05		160(1)\161(2)	13.53	19.99
Liverpool St	08.11	08.35	2W08		161(1)\160(2)	20.16	40.15
Shenfield	09.18	09.43	2W23		160(1)\161(2)	20.16	60.31
Liverpool St	10.26	10.47	2C26		161(1)\160(2)	13.53	73.84
Gidea Park	11.16	11+17	5C26		161(1)\160(2)	0.53	74.37
Gidea Pk Mid Sdg	11+19	11+38	5C37		160(1)\161(2)	0.53	74.90
Gidea Park	11+40	11.41	2C37		160(1)\161(2)	13.53	88.43
Liverpool St	12.11	12.35	2W40		161(1)\160(2)	20.16	108.59
Shenfield	13.18	13.43	2W55		160(1)\161(2)	20.16	128.75
Liverpool St	14.26	14.47	2C58		161(1)\160(2)	13.53	142.28
Gidea Park	15.16	15+17	5C58		161(1)\160(2)	0.53	142.81
Gidea Pk Mid Sdg	15+19	15+38	5C69		160(1)\161(2)	0.53	143.34
Gidea Park	15+40	15.41	2C69		160(1)\161(2)	13.53	156.87
Liverpool St	16.11	16.35	2W72		161(1)\160(2)	20.16	177.03
Shenfield	17.18	17.43	2W87		160(1)\161(2)	20.16	197.19
Liverpool St	18.26	18.47	2C90		161(1)\160(2)	13.53	210.72
Gidea Park	19.16	19+17	5C90		161(1)\160(2)	0.53	211.25
Gidea Pk Mid Sdg	19+19	19+38	5C01		160(1)\161(2)	0.53	211.78
Gidea Park	19+40	19.41	2C01		160(1)\161(2)	13.53	225.31
Liverpool St	20.11	20.35	2W04		161(1)\160(2)	20.16	245.47
Shenfield	21.18	21.43	2W17		160(1)\161(2)	20.16	265.63
Liverpool St	22.26	22.35	2W20		161(1)\160(2)	20.16	285.79
Shenfield	23.18	23.43	2W25		160(1)\161(2)	20.16	305.95
Liverpool St	00.26	00.35	2C28		161(1)\160(2)	13.53	319.48
Gidea Park	01.05	01+06	5C28		161(1)\160(2)	0.53	320.01
Gidea Pk CS	01+08						
						Loaded	315.77
						Empty	4.24
						Total	320.01

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 161 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.15	3C05		161(1)\160(2)	5.93	5.93
Gidea Pk Mid Sdg	07.29	07+38	5C05		160(1)\161(2)	0.53	6.46
Gidea Park	07+40	07.41	2C05		160(1)\161(2)	13.53	19.99
Liverpool St	08.11	08.35	2W08		161(1)\160(2)	20.16	40.15
Shenfield	09.18	09.43	2W23		160(1)\161(2)	20.16	60.31
Liverpool St	10.26	10.47	2C26		161(1)\160(2)	13.53	73.84
Gidea Park	11.16	11+17	5C26		161(1)\160(2)	0.53	74.37
Gidea Pk Mid Sdg	11+19	11+38	5C37		160(1)\161(2)	0.53	74.90
Gidea Park	11+40	11.41	2C37		160(1)\161(2)	13.53	88.43
Liverpool St	12.11	12.35	2W40		161(1)\160(2)	20.16	108.59
Shenfield	13.18	13.43	2W55		160(1)\161(2)	20.16	128.75
Liverpool St	14.26	14.47	2C58		161(1)\160(2)	13.53	142.28
Gidea Park	15.16	15+17	5C58		161(1)\160(2)	0.53	142.81
Gidea Pk Mid Sdg	15+19	15+38	5C69		160(1)\161(2)	0.53	143.34
Gidea Park	15+40	15.41	2C69		160(1)\161(2)	13.53	156.87
Liverpool St	16.11	16.35	2W72		161(1)\160(2)	20.16	177.03
Shenfield	17.18	17.43	2W87		160(1)\161(2)	20.16	197.19
Liverpool St	18.26	18.47	2C90		161(1)\160(2)	13.53	210.72
Gidea Park	19.16	19+17	5C90		161(1)\160(2)	0.53	211.25
Gidea Pk Mid Sdg	19+19	19+38	5C01		160(1)\161(2)	0.53	211.78
Gidea Park	19+40	19.41	2C01		160(1)\161(2)	13.53	225.31
Liverpool St	20.11	20.35	2W04		161(1)\160(2)	20.16	245.47
Shenfield	21.18	21.43	2W17		160(1)\161(2)	20.16	265.63
Liverpool St	22.26	22.35	2W20		161(1)\160(2)	20.16	285.79
Shenfield	23.18	23.43	2W25		160(1)\161(2)	20.16	305.95
Liverpool St	00.26	00.35	2C28		161(1)\160(2)	13.53	319.48
Gidea Park	01.05	01+06	5C28		161(1)\160(2)	0.53	320.01
Gidea Pk CS	01+08						
						Loaded	315.77
						Empty	4.24
						Total	320.01

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 162 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.45	3C09		163(1)\162(2)	5.93	5.93
Gidea Pk Mid Sdg	07.59	08+08	5C09		162(1)\163(2)	0.53	6.46
Gidea Park	08+10	08.11	2C09		162(1)\163(2)	13.53	19.99
Liverpool St	08.41	09.05	2W12		163(1)\162(2)	20.16	40.15
Shenfield	09.48	10.13	2W27		162(1)\163(2)	20.16	60.31
Liverpool St	10.56	11.17	2C30		163(1)\162(2)	13.53	73.84
Gidea Park	11.46	11+47	5C30		163(1)\162(2)	0.53	74.37
Gidea Pk Mid Sdg	11+49	12+08	5C41		162(1)\163(2)	0.53	74.90
Gidea Park	12+10	12.11	2C41		162(1)\163(2)	13.53	88.43
Liverpool St	12.41	13.05	2W44		163(1)\162(2)	20.16	108.59
Shenfield	13.48	14.13	2W59		162(1)\163(2)	20.16	128.75
Liverpool St	14.56	15.17	2C62		163(1)\162(2)	13.53	142.28
Gidea Park	15.46	15+47	5C62		163(1)\162(2)	0.53	142.81
Gidea Pk Mid Sdg	15+49	16+08	5C73		162(1)\163(2)	0.53	143.34
Gidea Park	16+10	16.11	2C73		162(1)\163(2)	13.53	156.87
Liverpool St	16.41	17.05	2W76		163(1)\162(2)	20.16	177.03
Shenfield	17.48	18.13	2W91		162(1)\163(2)	20.16	197.19
Liverpool St	18.56	19.17	2C94		163(1)\162(2)	13.53	210.72
Gidea Park	19.46	19+47	5C94		163(1)\162(2)	0.53	211.25
Gidea Pk Mid Sdg	19+49	20+08	5C05		162(1)\163(2)	0.53	211.78
Gidea Park	20+10	20.11	2C05		162(1)\163(2)	13.53	225.31
Liverpool St	20.41	21.05	2W08		163(1)\162(2)	20.16	245.47
Shenfield	21.48	22.13	2W19		162(1)\163(2)	20.16	265.63
Liverpool St	22.56	23.05	2W22		163(1)\162(2)	20.16	285.79
Shenfield	23.48	23+55	5W30		162(1)\163(2)	20.16	305.95
Liverpool St	00+28	00.55	2W30		163(1)\162(2)	20.16	326.11
Shenfield	01.38						
						Loaded	302.24
						Empty	23.87
						Total	326.11

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 163 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.45	3C09		163(1)\162(2)	5.93	5.93
Gidea Pk Mid Sdg	07.59	08+08	5C09		162(1)\163(2)	0.53	6.46
Gidea Park	08+10	08.11	2C09		162(1)\163(2)	13.53	19.99
Liverpool St	08.41	09.05	2W12		163(1)\162(2)	20.16	40.15
Shenfield	09.48	10.13	2W27		162(1)\163(2)	20.16	60.31
Liverpool St	10.56	11.17	2C30		163(1)\162(2)	13.53	73.84
Gidea Park	11.46	11+47	5C30		163(1)\162(2)	0.53	74.37
Gidea Pk Mid Sdg	11+49	12+08	5C41		162(1)\163(2)	0.53	74.90
Gidea Park	12+10	12.11	2C41		162(1)\163(2)	13.53	88.43
Liverpool St	12.41	13.05	2W44		163(1)\162(2)	20.16	108.59
Shenfield	13.48	14.13	2W59		162(1)\163(2)	20.16	128.75
Liverpool St	14.56	15.17	2C62		163(1)\162(2)	13.53	142.28
Gidea Park	15.46	15+47	5C62		163(1)\162(2)	0.53	142.81
Gidea Pk Mid Sdg	15+49	16+08	5C73		162(1)\163(2)	0.53	143.34
Gidea Park	16+10	16.11	2C73		162(1)\163(2)	13.53	156.87
Liverpool St	16.41	17.05	2W76		163(1)\162(2)	20.16	177.03
Shenfield	17.48	18.13	2W91		162(1)\163(2)	20.16	197.19
Liverpool St	18.56	19.17	2C94		163(1)\162(2)	13.53	210.72
Gidea Park	19.46	19+47	5C94		163(1)\162(2)	0.53	211.25
Gidea Pk Mid Sdg	19+49	20+08	5C05		162(1)\163(2)	0.53	211.78
Gidea Park	20+10	20.11	2C05		162(1)\163(2)	13.53	225.31
Liverpool St	20.41	21.05	2W08		163(1)\162(2)	20.16	245.47
Shenfield	21.48	22.13	2W19		162(1)\163(2)	20.16	265.63
Liverpool St	22.56	23.05	2W22		163(1)\162(2)	20.16	285.79
Shenfield	23.48	23+55	5W30		162(1)\163(2)	20.16	305.95
Liverpool St	00+28	00.55	2W30		163(1)\162(2)	20.16	326.11
Shenfield	01.38						
						Loaded	302.24
						Empty	23.87
						Total	326.11

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 164 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08.15	3C13		165 (1) \ 164 (2)	5.93	5.93
Gidea Pk Mid Sdg	08.29	08+38	5C13		164 (1) \ 165 (2)	0.53	6.46
Gidea Park	08+40	08.41	2C13		164 (1) \ 165 (2)	13.53	19.99
Liverpool St	09.11	09.35	2W16		165 (1) \ 164 (2)	20.16	40.15
Shenfield	10.18	10.43	2W31		164 (1) \ 165 (2)	20.16	60.31
Liverpool St	11.26	11.47	2C34		165 (1) \ 164 (2)	13.53	73.84
Gidea Park	12.16	12+17	5C34		165 (1) \ 164 (2)	0.53	74.37
Gidea Pk Mid Sdg	12+19	12+38	5C45		164 (1) \ 165 (2)	0.53	74.90
Gidea Park	12+40	12.41	2C45		164 (1) \ 165 (2)	13.53	88.43
Liverpool St	13.11	13.35	2W48		165 (1) \ 164 (2)	20.16	108.59
Shenfield	14.18	14.43	2W63		164 (1) \ 165 (2)	20.16	128.75
Liverpool St	15.26	15.47	2C66		165 (1) \ 164 (2)	13.53	142.28
Gidea Park	16.16	16+17	5C66		165 (1) \ 164 (2)	0.53	142.81
Gidea Pk Mid Sdg	16+19	16+38	5C77		164 (1) \ 165 (2)	0.53	143.34
Gidea Park	16+40	16.41	2C77		164 (1) \ 165 (2)	13.53	156.87
Liverpool St	17.11	17.35	2W80		165 (1) \ 164 (2)	20.16	177.03
Shenfield	18.18	18.43	2W95		164 (1) \ 165 (2)	20.16	197.19
Liverpool St	19.26	19.47	2C98		165 (1) \ 164 (2)	13.53	210.72
Gidea Park	20.16	20+17	5C98		165 (1) \ 164 (2)	0.53	211.25
Gidea Pk Mid Sdg	20+19	20+38	5C09		164 (1) \ 165 (2)	0.53	211.78
Gidea Park	20+40	20.41	2C09		164 (1) \ 165 (2)	13.53	225.31
Liverpool St	21.11	21.35	2W12		165 (1) \ 164 (2)	20.16	245.47
Shenfield	22.18	22.43	2W21		164 (1) \ 165 (2)	20.16	265.63
Liverpool St	23.26	23.35	2W24		165 (1) \ 164 (2)	20.16	285.79
Shenfield	00.18	00+19	5W24		165 (1) \ 164 (2)	0.30	286.09
Shenfield CS	00+21						
						Loaded	282.08
						Empty	4.01
						Total	286.09

IF 165 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08.15	3C13		165 (1) \ 164 (2)	5.93	5.93
Gidea Pk Mid Sdg	08.29	08+38	5C13		164 (1) \ 165 (2)	0.53	6.46
Gidea Park	08+40	08.41	2C13		164 (1) \ 165 (2)	13.53	19.99
Liverpool St	09.11	09.35	2W16		165 (1) \ 164 (2)	20.16	40.15
Shenfield	10.18	10.43	2W31		164 (1) \ 165 (2)	20.16	60.31
Liverpool St	11.26	11.47	2C34		165 (1) \ 164 (2)	13.53	73.84
Gidea Park	12.16	12+17	5C34		165 (1) \ 164 (2)	0.53	74.37
Gidea Pk Mid Sdg	12+19	12+38	5C45		164 (1) \ 165 (2)	0.53	74.90
Gidea Park	12+40	12.41	2C45		164 (1) \ 165 (2)	13.53	88.43
Liverpool St	13.11	13.35	2W48		165 (1) \ 164 (2)	20.16	108.59
Shenfield	14.18	14.43	2W63		164 (1) \ 165 (2)	20.16	128.75
Liverpool St	15.26	15.47	2C66		165 (1) \ 164 (2)	13.53	142.28
Gidea Park	16.16	16+17	5C66		165 (1) \ 164 (2)	0.53	142.81
Gidea Pk Mid Sdg	16+19	16+38	5C77		164 (1) \ 165 (2)	0.53	143.34
Gidea Park	16+40	16.41	2C77		164 (1) \ 165 (2)	13.53	156.87
Liverpool St	17.11	17.35	2W80		165 (1) \ 164 (2)	20.16	177.03
Shenfield	18.18	18.43	2W95		164 (1) \ 165 (2)	20.16	197.19
Liverpool St	19.26	19.47	2C98		165 (1) \ 164 (2)	13.53	210.72
Gidea Park	20.16	20+17	5C98		165 (1) \ 164 (2)	0.53	211.25
Gidea Pk Mid Sdg	20+19	20+38	5C09		164 (1) \ 165 (2)	0.53	211.78
Gidea Park	20+40	20.41	2C09		164 (1) \ 165 (2)	13.53	225.31
Liverpool St	21.11	21.35	2W12		165 (1) \ 164 (2)	20.16	245.47
Shenfield	22.18	22.43	2W21		164 (1) \ 165 (2)	20.16	265.63
Liverpool St	23.26	23.35	2W24		165 (1) \ 164 (2)	20.16	285.79
Shenfield	00.18	00+19	5W24		165 (1) \ 164 (2)	0.30	286.09
Shenfield CS	00+21						
						Loaded	282.08
						Empty	4.01
						Total	286.09

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 166 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		10+13	5C72		167 (1) \166 (2)	5.93	5.93
Gidea Pk CS	10+27						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 167 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		10+13	5C72		167 (1) \166 (2)	5.93	5.93
Gidea Pk CS	10+27						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 168 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		13+13	5W02		169 (1) \168 (2)	12.33	12.33
Shenfield CS	13+36						
						Loaded	0.00
						Empty	12.33
						Total	12.33

IF 169 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		13+13	5W02		169 (1) \168 (2)	12.33	12.33
Shenfield CS	13+36						
						Loaded	0.00
						Empty	12.33
						Total	12.33

IF 170 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 171 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 172 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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IF 173 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Ilford EMUD			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

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**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 174 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+52	5C95		174 (1) \ 175 (2)	0.53	0.53
Gidea Park	05+54	05.55	2C95		174 (1) \ 175 (2)	13.53	14.06
Liverpool St	06.26	06.35	2W98		175 (1) \ 174 (2)	20.16	34.22
Shenfield	07.18	07.43	2W07		174 (1) \ 175 (2)	20.16	54.38
Liverpool St	08.26	08.47	2C10		175 (1) \ 174 (2)	13.53	67.91
Gidea Park	09.16	09+17	5C10		175 (1) \ 174 (2)	0.53	68.44
Gidea Pk Mid Sdg	09+19	09+38	5C21		174 (1) \ 175 (2)	0.53	68.97
Gidea Park	09+40	09.41	2C21		174 (1) \ 175 (2)	13.53	82.50
Liverpool St	10.11	10.35	2W24		175 (1) \ 174 (2)	20.16	102.66
Shenfield	11.18	11.43	2W39		174 (1) \ 175 (2)	20.16	122.82
Liverpool St	12.26	12.47	2C42		175 (1) \ 174 (2)	13.53	136.35
Gidea Park	13.16	13+17	5C42		175 (1) \ 174 (2)	0.53	136.88
Gidea Pk Mid Sdg	13+19	13+38	5C53		174 (1) \ 175 (2)	0.53	137.41
Gidea Park	13+40	13.41	2C53		174 (1) \ 175 (2)	13.53	150.94
Liverpool St	14.11	14.35	2W56		175 (1) \ 174 (2)	20.16	171.10
Shenfield	15.18	15.43	2W71		174 (1) \ 175 (2)	20.16	191.26
Liverpool St	16.26	16.47	2C74		175 (1) \ 174 (2)	13.53	204.79
Gidea Park	17.16	17+17	5C74		175 (1) \ 174 (2)	0.53	205.32
Gidea Pk Mid Sdg	17+19	17+38	5C85		174 (1) \ 175 (2)	0.53	205.85
Gidea Park	17+40	17.41	2C85		174 (1) \ 175 (2)	13.53	219.38
Liverpool St	18.11	18.35	2W88		175 (1) \ 174 (2)	20.16	239.54
Shenfield	19.18	19.43	2W03		174 (1) \ 175 (2)	20.16	259.70
Liverpool St	20.26	20.47	2C06		175 (1) \ 174 (2)	13.53	273.23
Gidea Park	21.16	21+17	5C06		175 (1) \ 174 (2)	0.53	273.76
Gidea Pk Mid Sdg	21+19	21+28	5V71		174 (1) \ 175 (2)	5.93	279.69
Ilford EMUD	21+48						
						Loaded	269.52
						Empty	10.17
						Total	279.69

IF 175 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+52	5C95		174 (1) \ 175 (2)	0.53	0.53
Gidea Park	05+54	05.55	2C95		174 (1) \ 175 (2)	13.53	14.06
Liverpool St	06.26	06.35	2W98		175 (1) \ 174 (2)	20.16	34.22
Shenfield	07.18	07.43	2W07		174 (1) \ 175 (2)	20.16	54.38
Liverpool St	08.26	08.47	2C10		175 (1) \ 174 (2)	13.53	67.91
Gidea Park	09.16	09+17	5C10		175 (1) \ 174 (2)	0.53	68.44
Gidea Pk Mid Sdg	09+19	09+38	5C21		174 (1) \ 175 (2)	0.53	68.97
Gidea Park	09+40	09.41	2C21		174 (1) \ 175 (2)	13.53	82.50
Liverpool St	10.11	10.35	2W24		175 (1) \ 174 (2)	20.16	102.66
Shenfield	11.18	11.43	2W39		174 (1) \ 175 (2)	20.16	122.82
Liverpool St	12.26	12.47	2C42		175 (1) \ 174 (2)	13.53	136.35
Gidea Park	13.16	13+17	5C42		175 (1) \ 174 (2)	0.53	136.88
Gidea Pk Mid Sdg	13+19	13+38	5C53		174 (1) \ 175 (2)	0.53	137.41
Gidea Park	13+40	13.41	2C53		174 (1) \ 175 (2)	13.53	150.94
Liverpool St	14.11	14.35	2W56		175 (1) \ 174 (2)	20.16	171.10
Shenfield	15.18	15.43	2W71		174 (1) \ 175 (2)	20.16	191.26
Liverpool St	16.26	16.47	2C74		175 (1) \ 174 (2)	13.53	204.79
Gidea Park	17.16	17+17	5C74		175 (1) \ 174 (2)	0.53	205.32
Gidea Pk Mid Sdg	17+19	17+38	5C85		174 (1) \ 175 (2)	0.53	205.85
Gidea Park	17+40	17.41	2C85		174 (1) \ 175 (2)	13.53	219.38
Liverpool St	18.11	18.35	2W88		175 (1) \ 174 (2)	20.16	239.54
Shenfield	19.18	19.43	2W03		174 (1) \ 175 (2)	20.16	259.70
Liverpool St	20.26	20.47	2C06		175 (1) \ 174 (2)	13.53	273.23
Gidea Park	21.16	21+17	5C06		175 (1) \ 174 (2)	0.53	273.76
Gidea Pk Mid Sdg	21+19	21+28	5V71		174 (1) \ 175 (2)	5.93	279.69
Ilford EMUD	21+48						
						Loaded	269.52
						Empty	10.17
						Total	279.69



**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 176 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+22	5C97		176(1)\177(2)	0.53	0.53
Gidea Park	06+24	06.25	2C97		176(1)\177(2)	13.53	14.06
Liverpool St	06.56	07.05	2W00		177(1)\176(2)	20.16	34.22
Shenfield	07.48	08.13	2W11		176(1)\177(2)	20.16	54.38
Liverpool St	08.56	09.17	2C14		177(1)\176(2)	13.53	67.91
Gidea Park	09.46	09+47	5C14		177(1)\176(2)	0.53	68.44
Gidea Pk Mid Sdg	09+49	10+08	5C25		176(1)\177(2)	0.53	68.97
Gidea Park	10+10	10.11	2C25		176(1)\177(2)	13.53	82.50
Liverpool St	10.41	11.05	2W28		177(1)\176(2)	20.16	102.66
Shenfield	11.48	12.13	2W43		176(1)\177(2)	20.16	122.82
Liverpool St	12.56	13.17	2C46		177(1)\176(2)	13.53	136.35
Gidea Park	13.46	13+47	5C46		177(1)\176(2)	0.53	136.88
Gidea Pk Mid Sdg	13+49	14+08	5C57		176(1)\177(2)	0.53	137.41
Gidea Park	14+10	14.11	2C57		176(1)\177(2)	13.53	150.94
Liverpool St	14.41	15.05	2W60		177(1)\176(2)	20.16	171.10
Shenfield	15.48	16.13	2W75		176(1)\177(2)	20.16	191.26
Liverpool St	16.56	17.17	2C78		177(1)\176(2)	13.53	204.79
Gidea Park	17.46	17+47	5C78		177(1)\176(2)	0.53	205.32
Gidea Pk Mid Sdg	17+49	18+08	5C89		176(1)\177(2)	0.53	205.85
Gidea Park	18+10	18.11	2C89		176(1)\177(2)	13.53	219.38
Liverpool St	18.41	19.05	2W92		177(1)\176(2)	20.16	239.54
Shenfield	19.48	20.13	2W07		176(1)\177(2)	20.16	259.70
Liverpool St	20.56	21.17	2C10		177(1)\176(2)	13.53	273.23
Gidea Park	21.46	21+47	5C10		177(1)\176(2)	0.53	273.76
Gidea Pk Mid Sdg	21+49	21+56	5V73		176(1)\177(2)	5.93	279.69
Ilford EMUD	22+18						
						Loaded	269.52
						Empty	10.17
						Total	279.69

IF 177 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+22	5C97		176(1)\177(2)	0.53	0.53
Gidea Park	06+24	06.25	2C97		176(1)\177(2)	13.53	14.06
Liverpool St	06.56	07.05	2W00		177(1)\176(2)	20.16	34.22
Shenfield	07.48	08.13	2W11		176(1)\177(2)	20.16	54.38
Liverpool St	08.56	09.17	2C14		177(1)\176(2)	13.53	67.91
Gidea Park	09.46	09+47	5C14		177(1)\176(2)	0.53	68.44
Gidea Pk Mid Sdg	09+49	10+08	5C25		176(1)\177(2)	0.53	68.97
Gidea Park	10+10	10.11	2C25		176(1)\177(2)	13.53	82.50
Liverpool St	10.41	11.05	2W28		177(1)\176(2)	20.16	102.66
Shenfield	11.48	12.13	2W43		176(1)\177(2)	20.16	122.82
Liverpool St	12.56	13.17	2C46		177(1)\176(2)	13.53	136.35
Gidea Park	13.46	13+47	5C46		177(1)\176(2)	0.53	136.88
Gidea Pk Mid Sdg	13+49	14+08	5C57		176(1)\177(2)	0.53	137.41
Gidea Park	14+10	14.11	2C57		176(1)\177(2)	13.53	150.94
Liverpool St	14.41	15.05	2W60		177(1)\176(2)	20.16	171.10
Shenfield	15.48	16.13	2W75		176(1)\177(2)	20.16	191.26
Liverpool St	16.56	17.17	2C78		177(1)\176(2)	13.53	204.79
Gidea Park	17.46	17+47	5C78		177(1)\176(2)	0.53	205.32
Gidea Pk Mid Sdg	17+49	18+08	5C89		176(1)\177(2)	0.53	205.85
Gidea Park	18+10	18.11	2C89		176(1)\177(2)	13.53	219.38
Liverpool St	18.41	19.05	2W92		177(1)\176(2)	20.16	239.54
Shenfield	19.48	20.13	2W07		176(1)\177(2)	20.16	259.70
Liverpool St	20.56	21.17	2C10		177(1)\176(2)	13.53	273.23
Gidea Park	21.46	21+47	5C10		177(1)\176(2)	0.53	273.76
Gidea Pk Mid Sdg	21+49	21+56	5V73		176(1)\177(2)	5.93	279.69
Ilford EMUD	22+18						
						Loaded	269.52
						Empty	10.17
						Total	279.69

**MTR Crossrail Electric Multiple Unit Diagrams**  
**Sunday 21 May 2017 to Saturday 9 December 2017**

IF 178 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+08	5C01		178 (1) \ 179 (2)	0.53	0.53
Gidea Park	07+10	07.11	2C01		178 (1) \ 179 (2)	13.53	14.06
Liverpool St	07.41	08.05	2W04		179 (1) \ 178 (2)	20.16	34.22
Shenfield	08.48	09.13	2W19		178 (1) \ 179 (2)	20.16	54.38
Liverpool St	09.56	10.17	2C22		179 (1) \ 178 (2)	13.53	67.91
Gidea Park	10.46	10+47	5C22		179 (1) \ 178 (2)	0.53	68.44
Gidea Pk Mid Sdg	10+49	11+08	5C33		178 (1) \ 179 (2)	0.53	68.97
Gidea Park	11+10	11.11	2C33		178 (1) \ 179 (2)	13.53	82.50
Liverpool St	11.41	12.05	2W36		179 (1) \ 178 (2)	20.16	102.66
Shenfield	12.48	13.13	2W51		178 (1) \ 179 (2)	20.16	122.82
Liverpool St	13.56	14.17	2C54		179 (1) \ 178 (2)	13.53	136.35
Gidea Park	14.46	14+47	5C54		179 (1) \ 178 (2)	0.53	136.88
Gidea Pk Mid Sdg	14+49	15+08	5C65		178 (1) \ 179 (2)	0.53	137.41
Gidea Park	15+10	15.11	2C65		178 (1) \ 179 (2)	13.53	150.94
Liverpool St	15.41	16.05	2W68		179 (1) \ 178 (2)	20.16	171.10
Shenfield	16.48	17.13	2W83		178 (1) \ 179 (2)	20.16	191.26
Liverpool St	17.56	18.17	2C86		179 (1) \ 178 (2)	13.53	204.79
Gidea Park	18.46	18+47	5C86		179 (1) \ 178 (2)	0.53	205.32
Gidea Pk Mid Sdg	18+49	19+08	5C97		178 (1) \ 179 (2)	0.53	205.85
Gidea Park	19+10	19.11	2C97		178 (1) \ 179 (2)	13.53	219.38
Liverpool St	19.41	20.05	2W00		179 (1) \ 178 (2)	20.16	239.54
Shenfield	20.48	21.13	2W15		178 (1) \ 179 (2)	20.16	259.70
Liverpool St	21.56	22.17	2C18		179 (1) \ 178 (2)	13.53	273.23
Gidea Park	22.46	22+47	5C18		179 (1) \ 178 (2)	0.53	273.76
Gidea Pk CS	22+49						
						Loaded	269.52
						Empty	4.24
						Total	273.76

IF 179 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+08	5C01		178 (1) \ 179 (2)	0.53	0.53
Gidea Park	07+10	07.11	2C01		178 (1) \ 179 (2)	13.53	14.06
Liverpool St	07.41	08.05	2W04		179 (1) \ 178 (2)	20.16	34.22
Shenfield	08.48	09.13	2W19		178 (1) \ 179 (2)	20.16	54.38
Liverpool St	09.56	10.17	2C22		179 (1) \ 178 (2)	13.53	67.91
Gidea Park	10.46	10+47	5C22		179 (1) \ 178 (2)	0.53	68.44
Gidea Pk Mid Sdg	10+49	11+08	5C33		178 (1) \ 179 (2)	0.53	68.97
Gidea Park	11+10	11.11	2C33		178 (1) \ 179 (2)	13.53	82.50
Liverpool St	11.41	12.05	2W36		179 (1) \ 178 (2)	20.16	102.66
Shenfield	12.48	13.13	2W51		178 (1) \ 179 (2)	20.16	122.82
Liverpool St	13.56	14.17	2C54		179 (1) \ 178 (2)	13.53	136.35
Gidea Park	14.46	14+47	5C54		179 (1) \ 178 (2)	0.53	136.88
Gidea Pk Mid Sdg	14+49	15+08	5C65		178 (1) \ 179 (2)	0.53	137.41
Gidea Park	15+10	15.11	2C65		178 (1) \ 179 (2)	13.53	150.94
Liverpool St	15.41	16.05	2W68		179 (1) \ 178 (2)	20.16	171.10
Shenfield	16.48	17.13	2W83		178 (1) \ 179 (2)	20.16	191.26
Liverpool St	17.56	18.17	2C86		179 (1) \ 178 (2)	13.53	204.79
Gidea Park	18.46	18+47	5C86		179 (1) \ 178 (2)	0.53	205.32
Gidea Pk Mid Sdg	18+49	19+08	5C97		178 (1) \ 179 (2)	0.53	205.85
Gidea Park	19+10	19.11	2C97		178 (1) \ 179 (2)	13.53	219.38
Liverpool St	19.41	20.05	2W00		179 (1) \ 178 (2)	20.16	239.54
Shenfield	20.48	21.13	2W15		178 (1) \ 179 (2)	20.16	259.70
Liverpool St	21.56	22.17	2C18		179 (1) \ 178 (2)	13.53	273.23
Gidea Park	22.46	22+47	5C18		179 (1) \ 178 (2)	0.53	273.76
Gidea Pk CS	22+49						
						Loaded	269.52
						Empty	4.24
						Total	273.76

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 180 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		08+56	5V71		180 (1) \181 (2)	5.93	5.93
Ilford EMUD	09+18						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 181 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		08+56	5V71		180 (1) \181 (2)	5.93	5.93
Ilford EMUD	09+18						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 182 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 183 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 184 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 185 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 186 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 187 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 188 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

IF 189 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 190 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Gidea Pk CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

IF 191 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Gidea Pk CS			STABLD					
						Loaded		0.00
						Empty		0.00
						Total		0.00

IF 192 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield		06.43	2W99		192 (1) \ 193 (2)		20.16	20.16
Liverpool St	07.26	07.35	2W02		193 (1) \ 192 (2)		20.16	40.32
Shenfield	08.18	08.43	2W15		192 (1) \ 193 (2)		20.16	60.48
Liverpool St	09.26	09.47	2C18		193 (1) \ 192 (2)		13.53	74.01
Gidea Park	10.16	10+17	5C18		193 (1) \ 192 (2)		0.53	74.54
Gidea Pk Mid Sdg	10+19	10+38	5C29		192 (1) \ 193 (2)		0.53	75.07
Gidea Park	10+40	10.41	2C29		192 (1) \ 193 (2)		13.53	88.60
Liverpool St	11.11	11.35	2W32		193 (1) \ 192 (2)		20.16	108.76
Shenfield	12.18	12.43	2W47		192 (1) \ 193 (2)		20.16	128.92
Liverpool St	13.26	13.47	2C50		193 (1) \ 192 (2)		13.53	142.45
Gidea Park	14.16	14+17	5C50		193 (1) \ 192 (2)		0.53	142.98
Gidea Pk Mid Sdg	14+19	14+38	5C61		192 (1) \ 193 (2)		0.53	143.51
Gidea Park	14+40	14.41	2C61		192 (1) \ 193 (2)		13.53	157.04
Liverpool St	15.11	15.35	2W64		193 (1) \ 192 (2)		20.16	177.20
Shenfield	16.18	16.43	2W79		192 (1) \ 193 (2)		20.16	197.36
Liverpool St	17.26	17.47	2C82		193 (1) \ 192 (2)		13.53	210.89
Gidea Park	18.16	18+17	5C82		193 (1) \ 192 (2)		0.53	211.42
Gidea Pk Mid Sdg	18+19	18+38	5C93		192 (1) \ 193 (2)		0.53	211.95
Gidea Park	18+40	18.41	2C93		192 (1) \ 193 (2)		13.53	225.48
Liverpool St	19.11	19.35	2W96		193 (1) \ 192 (2)		20.16	245.64
Shenfield	20.18	20.43	2W11		192 (1) \ 193 (2)		20.16	265.80
Liverpool St	21.26	21.47	2C14		193 (1) \ 192 (2)		13.53	279.33
Gidea Park	22.16	22+17	5C14		193 (1) \ 192 (2)		0.53	279.86
Gidea Pk CS	22+19							
						Loaded		276.15
						Empty		3.71
						Total		279.86

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 193 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		06.43	2W99		192(1)\193(2)	20.16	20.16
Liverpool St	07.26	07.35	2W02		193(1)\192(2)	20.16	40.32
Shenfield	08.18	08.43	2W15		192(1)\193(2)	20.16	60.48
Liverpool St	09.26	09.47	2C18		193(1)\192(2)	13.53	74.01
Gidea Park	10.16	10+17	5C18		193(1)\192(2)	0.53	74.54
Gidea Pk Mid Sdg	10+19	10+38	5C29		192(1)\193(2)	0.53	75.07
Gidea Park	10+40	10.41	2C29		192(1)\193(2)	13.53	88.60
Liverpool St	11.11	11.35	2W32		193(1)\192(2)	20.16	108.76
Shenfield	12.18	12.43	2W47		192(1)\193(2)	20.16	128.92
Liverpool St	13.26	13.47	2C50		193(1)\192(2)	13.53	142.45
Gidea Park	14.16	14+17	5C50		193(1)\192(2)	0.53	142.98
Gidea Pk Mid Sdg	14+19	14+38	5C61		192(1)\193(2)	0.53	143.51
Gidea Park	14+40	14.41	2C61		192(1)\193(2)	13.53	157.04
Liverpool St	15.11	15.35	2W64		193(1)\192(2)	20.16	177.20
Shenfield	16.18	16.43	2W79		192(1)\193(2)	20.16	197.36
Liverpool St	17.26	17.47	2C82		193(1)\192(2)	13.53	210.89
Gidea Park	18.16	18+17	5C82		193(1)\192(2)	0.53	211.42
Gidea Pk Mid Sdg	18+19	18+38	5C93		192(1)\193(2)	0.53	211.95
Gidea Park	18+40	18.41	2C93		192(1)\193(2)	13.53	225.48
Liverpool St	19.11	19.35	2W96		193(1)\192(2)	20.16	245.64
Shenfield	20.18	20.43	2W11		192(1)\193(2)	20.16	265.80
Liverpool St	21.26	21.47	2C14		193(1)\192(2)	13.53	279.33
Gidea Park	22.16	22+17	5C14		193(1)\192(2)	0.53	279.86
Gidea Pk CS	22+19						
						Loaded	276.15
						Empty	3.71
						Total	279.86

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 194 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+10	5W03		194 (1) \ 195 (2)	0.30	0.30
Shenfield	07+12	07.13	2W03		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	07.56	08.17	2C06		195 (1) \ 194 (2)	13.53	33.99
Gidea Park	08.46	08+47	5C06		195 (1) \ 194 (2)	0.53	34.52
Gidea Pk Mid Sdg	08+49	09+08	5C17		194 (1) \ 195 (2)	0.53	35.05
Gidea Park	09+10	09.11	2C17		194 (1) \ 195 (2)	13.53	48.58
Liverpool St	09.41	10.05	2W20		195 (1) \ 194 (2)	20.16	68.74
Shenfield	10.48	11.13	2W35		194 (1) \ 195 (2)	20.16	88.90
Liverpool St	11.56	12.17	2C38		195 (1) \ 194 (2)	13.53	102.43
Gidea Park	12.46	12+47	5C38		195 (1) \ 194 (2)	0.53	102.96
Gidea Pk Mid Sdg	12+49	13+08	5C49		194 (1) \ 195 (2)	0.53	103.49
Gidea Park	13+10	13.11	2C49		194 (1) \ 195 (2)	13.53	117.02
Liverpool St	13.41	14.05	2W52		195 (1) \ 194 (2)	20.16	137.18
Shenfield	14.48	15.13	2W67		194 (1) \ 195 (2)	20.16	157.34
Liverpool St	15.56	16.17	2C70		195 (1) \ 194 (2)	13.53	170.87
Gidea Park	16.46	16+47	5C70		195 (1) \ 194 (2)	0.53	171.40
Gidea Pk Mid Sdg	16+49	17+08	5C81		194 (1) \ 195 (2)	0.53	171.93
Gidea Park	17+10	17.11	2C81		194 (1) \ 195 (2)	13.53	185.46
Liverpool St	17.41	18.05	2W84		195 (1) \ 194 (2)	20.16	205.62
Shenfield	18.48	19.13	2W99		194 (1) \ 195 (2)	20.16	225.78
Liverpool St	19.56	20.17	2C02		195 (1) \ 194 (2)	13.53	239.31
Gidea Park	20.46	20+47	5C02		195 (1) \ 194 (2)	0.53	239.84
Gidea Pk Mid Sdg	20+49	21+08	5C13		194 (1) \ 195 (2)	0.53	240.37
Gidea Park	21+10	21.11	2C13		194 (1) \ 195 (2)	13.53	253.90
Liverpool St	21.41	22.05	2W16		195 (1) \ 194 (2)	20.16	274.06
Shenfield	22.48	23.13	2W23		194 (1) \ 195 (2)	20.16	294.22
Liverpool St	23.56	00.05	2C26		195 (1) \ 194 (2)	13.53	307.75
Gidea Park	00.35	00+36	5C26		195 (1) \ 194 (2)	0.53	308.28
Gidea Pk Mid Sdg	00+38	00+45	5V77		194 (1) \ 195 (2)	5.93	314.21
Ilford EMUD	01+04						
						Loaded	303.21
						Empty	11.00
						Total	314.21

MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 195 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+10	5W03		194 (1) \ 195 (2)	0.30	0.30
Shenfield	07+12	07.13	2W03		194 (1) \ 195 (2)	20.16	20.46
Liverpool St	07.56	08.17	2C06		195 (1) \ 194 (2)	13.53	33.99
Gidea Park	08.46	08+47	5C06		195 (1) \ 194 (2)	0.53	34.52
Gidea Pk Mid Sdg	08+49	09+08	5C17		194 (1) \ 195 (2)	0.53	35.05
Gidea Park	09+10	09.11	2C17		194 (1) \ 195 (2)	13.53	48.58
Liverpool St	09.41	10.05	2W20		195 (1) \ 194 (2)	20.16	68.74
Shenfield	10.48	11.13	2W35		194 (1) \ 195 (2)	20.16	88.90
Liverpool St	11.56	12.17	2C38		195 (1) \ 194 (2)	13.53	102.43
Gidea Park	12.46	12+47	5C38		195 (1) \ 194 (2)	0.53	102.96
Gidea Pk Mid Sdg	12+49	13+08	5C49		194 (1) \ 195 (2)	0.53	103.49
Gidea Park	13+10	13.11	2C49		194 (1) \ 195 (2)	13.53	117.02
Liverpool St	13.41	14.05	2W52		195 (1) \ 194 (2)	20.16	137.18
Shenfield	14.48	15.13	2W67		194 (1) \ 195 (2)	20.16	157.34
Liverpool St	15.56	16.17	2C70		195 (1) \ 194 (2)	13.53	170.87
Gidea Park	16.46	16+47	5C70		195 (1) \ 194 (2)	0.53	171.40
Gidea Pk Mid Sdg	16+49	17+08	5C81		194 (1) \ 195 (2)	0.53	171.93
Gidea Park	17+10	17.11	2C81		194 (1) \ 195 (2)	13.53	185.46
Liverpool St	17.41	18.05	2W84		195 (1) \ 194 (2)	20.16	205.62
Shenfield	18.48	19.13	2W99		194 (1) \ 195 (2)	20.16	225.78
Liverpool St	19.56	20.17	2C02		195 (1) \ 194 (2)	13.53	239.31
Gidea Park	20.46	20+47	5C02		195 (1) \ 194 (2)	0.53	239.84
Gidea Pk Mid Sdg	20+49	21+08	5C13		194 (1) \ 195 (2)	0.53	240.37
Gidea Park	21+10	21.11	2C13		194 (1) \ 195 (2)	13.53	253.90
Liverpool St	21.41	22.05	2W16		195 (1) \ 194 (2)	20.16	274.06
Shenfield	22.48	23.13	2W23		194 (1) \ 195 (2)	20.16	294.22
Liverpool St	23.56	00.05	2C26		195 (1) \ 194 (2)	13.53	307.75
Gidea Park	00.35	00+36	5C26		195 (1) \ 194 (2)	0.53	308.28
Gidea Pk Mid Sdg	00+38	00+45	5V77		194 (1) \ 195 (2)	5.93	314.21
Ilford EMUD	01+04						
						Loaded	303.21
						Empty	11.00
						Total	314.21

IF 196 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		12+18	5V75		196 (1) \ 197 (2)	12.33	12.33
Ilford EMUD	12+48						
						Loaded	0.00
						Empty	12.33
						Total	12.33

IF 197 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		12+18	5V75		196 (1) \ 197 (2)	12.33	12.33
Ilford EMUD	12+48						
						Loaded	0.00
						Empty	12.33
						Total	12.33



MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IF 198 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

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IF 199 Class 315/0

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS			STABLD				
						Loaded	0.00
						Empty	0.00
						Total	0.00

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MTR Crossrail Electric Multiple Unit Diagrams  
Sunday 21 May 2017 to Saturday 9 December 2017

IL 700 Class 317/8

Extract from Arriva Rail London diagrams

Days Su  
From 21/05/2017  
To 03/12/2017

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Romford		08.41	2V14			3.40	3.40
Upminster P6	08.50	08.54	2V15			3.40	6.80
Romford	09.03	09.11	2V16			3.40	10.20
Upminster P6	09.20	09.24	2V17			3.40	13.60
Romford	09.33	09.41	2V18			3.40	17.00
Upminster P6	09.50	09.54	2V19			3.40	20.40
Romford	10.03	10.11	2V20			3.40	23.80
Upminster P6	10.20	10.24	2V21			3.40	27.20
Romford	10.33	10.41	2V22			3.40	30.60
Upminster P6	10.50	10.54	2V23			3.40	34.00
Romford	11.03	11.11	2V24			3.40	37.40
Upminster P6	11.20	11.24	2V25			3.40	40.80
Romford	11.33	11.41	2V26			3.40	44.20
Upminster P6	11.50	11.54	2V27			3.40	47.60
Romford	12.03	12.11	2V28			3.40	51.00
Upminster P6	12.20	12.24	2V29			3.40	54.40
Romford	12.33	12.41	2V30			3.40	57.80
Upminster P6	12.50	12.54	2V31			3.40	61.20
Romford	13.03	13.11	2V32			3.40	64.60
Upminster P6	13.20	13.24	2V33			3.40	68.00
Romford	13.33	13.41	2V34			3.40	71.40
Upminster P6	13.50	13.54	2V35			3.40	74.80
Romford	14.03	14.11	2V36			3.40	78.20
Upminster P6	14.20	14.24	2V37			3.40	81.60
Romford	14.33	14.41	2V38			3.40	85.00
Upminster P6	14.50	14.54	2V39			3.40	88.40
Romford	15.03	15.11	2V40			3.40	91.80
Upminster P6	15.20	15.24	2V41			3.40	95.20
Romford	15.33	15.41	2V42			3.40	98.60
Upminster P6	15.50	15.54	2V43			3.40	102.00
Romford	16.03	16.11	2V44			3.40	105.40
Upminster P6	16.20	16.24	2V45			3.40	108.80
Romford	16.33	16.41	2V46			3.40	112.20
Upminster P6	16.50	16.54	2V47			3.40	115.60
Romford	17.03	17.11	2V48			3.40	119.00
Upminster P6	17.20	17.24	2V49			3.40	122.40
Romford	17.33	17.41	2V50			3.40	125.80
Upminster P6	17.50	17.54	2V51			3.40	129.20
Romford	18.03	18.11	2V52			3.40	132.60
Upminster P6	18.20	18.24	2V53			3.40	136.00
Romford	18.33	18.41	2V54			3.40	139.40
Upminster P6	18.50	18.54	2V55			3.40	142.80
Romford	19.03	19.11	2V56			3.40	146.20
Upminster P6	19.20	19.24	2V57			3.40	149.60
Romford	19.33	19.41	2V58			3.40	153.00
Upminster P6	19.50	19.54	2V59			3.40	156.40
Romford	20.03						
						Loaded	156.40
						Empty	0.00
						Total	156.40