



# Class 315 and 345 Electric Multiple Unit Diagrams

## Iford Depot

### Monday 5 February 2018 to Saturday 19 May 2018



DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 140 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+43	5W03			12.03	12.03
Shenfield	05+04	05.12	2W03			20.16	32.19
Liverpool St	05.55	06.10	2W06			20.16	52.35
Shenfield	06.53	07.01	2W21			20.16	72.51
Liverpool St	07.43	07.50	2W26			20.16	92.67
Shenfield	08.33	08.42	2W45			20.16	112.83
Liverpool St	09.22	09+33	5C44			14.31	127.14
Gidea PK CE Spur	10+10	16.46	3C64			14.31	141.45
Liverpool St	17.20	17.30	2C64			13.53	154.98
Gidea Park	17.58	18+00	5C64			0.53	155.51
Gidea Pk Mid Sdg	18+02	18+09	5C65			0.53	156.04
Gidea Park	18+11	18.12	2C65			13.53	169.57
Liverpool St	18.40	18.47	2W62			20.16	189.73
Shenfield	19.30	19.44	2W77			20.16	209.89
Liverpool St	20.27	20.40	2W88			20.16	230.05
Shenfield	21.23	21.34	2W99			20.16	250.21
Liverpool St	22.17	22.35	2W10			20.16	270.37
Shenfield	23.18	23.29	2W15			20.16	290.53
Liverpool St	00.13	00.32	2C30			13.53	304.06
Gidea Park	01.02	01+03	5C30			0.53	304.59
Gidea Pk CS	01+05						
						Loaded	276.66
						Empty	27.93
						Total	304.59

IF 142 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+13	5W09			12.03	12.03
Shenfield	05+34	05.59	2W09			20.16	32.19
Liverpool St	06.45	06.57	2C00			13.53	45.72
Gidea Park	07.25	07+27	5C00			0.53	46.25
Gidea Pk Mid Sdg	07+29	07+42	5C23			0.53	46.78
Gidea Park	07+44	07.45	2C23			13.53	60.31
Liverpool St	08.14	08+23	5W02			20.50	80.81
Shenfield CS	09+10	10+17	5Z13			20.50	101.31
Liverpool St	10+59	11+07	5Z14			14.06	115.37
Gidea Pk Mid Sdg	11+35	12+07	5Z15			11.21	126.58
Bow Jn	12+37	12+44	5Z16			11.06	137.64
Gidea Pk CS	13+15	14+17	5Z17			14.06	151.70
Liverpool St	14+53	15+06	5Z18			20.50	172.20
Shenfield CS	15+50	17+18	5W54			20.50	192.70
Liverpool St	18+02	18.12	2W54			20.16	212.86
Shenfield	18.55	19.04	2W69			20.16	233.02
Liverpool St	19.47	20.00	2W80			20.16	253.18
Shenfield	20.43	20.54	2W91			20.16	273.34
Liverpool St	21.37	21.50	2W02			20.16	293.50
Shenfield	22.33	22.44	2W09			20.16	313.66
Liverpool St	23.27	23.50	2W20			20.16	333.82
Shenfield	00.33	00+41	5V93			12.03	345.85
Ilford EMUD	01+06						
						Loaded	188.34
						Empty	157.51
						Total	345.85

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 143 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.20	5C90			5.93	5.93
Gidea Pk CS	06.35	09+51	5Z03			14.06	19.99
Liverpool St	10+23	10+37	5Z04			14.06	34.05
Gidea Pk CS	11+05	11+57	5Z05			14.06	48.11
Liverpool St	12+29	12+37	5Z06			14.06	62.17
Gidea Pk Mid Sdg	13+05	13+17	5Z07			14.06	76.23
Liverpool St	13+49	13+57	5Z08			14.06	90.29
Gidea Pk Mid Sdg	14+25	14+41	5Z09			11.21	101.50
Bow Jn	15+07	15+16	5Z10			11.06	112.56
Gidea Pk CS	15+45	16+17	5C91			11.06	123.62
Bow Jn	16+47	19+06	5V82			5.00	128.62
Ilford EMUD	19+30						
						<b>Loaded</b>	0.00
						<b>Empty</b>	128.62
						<b>Total</b>	128.62

IF 145 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.00	3C19			5.93	5.93
Gidea Pk Mid Sdg	07.15	07+24	5C19			0.53	6.46
Gidea Park	07+26	07.27	2C19			13.53	19.99
Liverpool St	07.56	08.07	2C14			13.53	33.52
Gidea Park	08.35	08+37	5C14			0.53	34.05
Gidea Pk Mid Sdg	08+39	08+46	5C37			0.53	34.58
Gidea Park	08+48	08.49	2C37			13.53	48.11
Liverpool St	09.19	09.30	2W46			20.16	68.27
Shenfield	10.13	10.24	2W65			20.16	88.43
Liverpool St	11.07	11.20	2W68			20.16	108.59
Shenfield	12.03	12.14	2W87			20.16	128.75
Liverpool St	12.57	13.10	2W90			20.16	148.91
Shenfield	13.53	14.04	2W09			20.16	169.07
Liverpool St	14.47	15.00	2W12			20.16	189.23
Shenfield	15.43	15.54	2W31			20.16	209.39
Liverpool St	16.37	16.50	2C56			13.53	222.92
Gidea Park	17.18	17+20	5C56			0.53	223.45
Gidea Pk Mid Sdg	17+22	17+29	5C57			0.53	223.98
Gidea Park	17+31	17.32	2C57			13.53	237.51
Liverpool St	18.00	18.08	2C72			13.53	251.04
Gidea Park	18.36	18+38	5C72			0.53	251.57
Gidea Pk CS	18+40						
						<b>Loaded</b>	248.39
						<b>Empty</b>	3.18
						<b>Total</b>	251.57

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 146 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+08	5C01			0.53	0.53
Gidea Park	05+10	05.11	2C01			13.53	14.06
Liverpool St	05.43	06.00	2W04			20.16	34.22
Shenfield	06.43	06.54	2W19			20.16	54.38
Liverpool St	07.33	07.40	2W24			20.16	74.54
Shenfield	08.25	08.32	2W43			20.16	94.70
Liverpool St	09.12	09+23	5C42			14.06	108.76
Gidea Pk CS	09+56	12+17	5C71			14.06	122.82
Liverpool St	12+49	12+57	5V72			8.00	130.82
Ilford EMUD	13+19	13+40	5C74			5.93	136.75
Gidea Pk CS	13+55	16.39	3C62			14.06	150.81
Liverpool St	17.09	17.20	2C62			13.53	164.34
Gidea Park	17.48	17+50	5C62			0.53	164.87
Gidea Pk Mid Sdg	17+52	17+59	5C63			0.53	165.40
Gidea Park	18+01	18.02	2C63			13.53	178.93
Liverpool St	18.30	18.37	2W60			20.16	199.09
Shenfield	19.20	19.34	2W75			20.16	219.25
Liverpool St	20.17	20.30	2W86			20.16	239.41
Shenfield	21.13	21.24	2W97			20.16	259.57
Liverpool St	22.07	22.20	2W08			20.16	279.73
Shenfield	23.03	23.14	2W13			20.16	299.89
Liverpool St	23.58	00.20	2W22			20.16	320.05
Shenfield	01.03	01+10	5V95			12.03	332.08
Ilford EMUD	01+35						
						<b>Loaded</b>	<b>276.41</b>
						<b>Empty</b>	<b>55.67</b>
						<b>Total</b>	<b>332.08</b>

IF 148 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+16	5C07			0.53	0.53
Gidea Park	06+18	06.19	2C07			13.53	14.06
Liverpool St	06.50	07.00	2W16			20.16	34.22
Shenfield	07.43	07.56	2W35			20.16	54.38
Liverpool St	08.38	08.50	2W38			20.16	74.54
Shenfield	09.33	09.44	2W57			20.16	94.70
Liverpool St	10.27	10.40	2W60			20.16	114.86
Shenfield	11.23	11.34	2W79			20.16	135.02
Liverpool St	12.17	12.30	2W82			20.16	155.18
Shenfield	13.13	13.24	2W01			20.16	175.34
Liverpool St	14.07	14.20	2W04			20.16	195.50
Shenfield	15.03	15.14	2W23			20.16	215.66
Liverpool St	15.57	16.08	2W26			20.16	235.82
Shenfield	16.51	17.04	2W45			20.16	255.98
Liverpool St	17.45	17.56	2W50			20.16	276.14
Shenfield	18.39	18.51	3C84			20.16	296.30
Liverpool St	19.29	19.45	2C84			13.53	309.83
Gidea Park	20.15	20+16	5C84			0.53	310.36
Gidea Pk Mid Sdg	20+18	20+31	5V87			5.93	316.29
Ilford EMUD	20+49						
						<b>Loaded</b>	<b>309.30</b>
						<b>Empty</b>	<b>6.99</b>
						<b>Total</b>	<b>316.29</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 150 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+33	5C21			0.53	0.53
Gidea Park	07+35	07.36	2C21			13.53	14.06
Liverpool St	08.05	08.17	2C16			13.53	27.59
Gidea Park	08.44	08+45	5C16			0.53	28.12
Gidea Pk CS	08+47	08+54	5C39			0.53	28.65
Gidea Park	08+56	08.57	2C39			13.53	42.18
Liverpool St	09.29	09.40	2W48			20.16	62.34
Shenfield	10.23	10.34	2W67			20.16	82.50
Liverpool St	11.17	11.30	2W70			20.16	102.66
Shenfield	12.13	12.24	2W89			20.16	122.82
Liverpool St	13.07	13.20	2W92			20.16	142.98
Shenfield	14.03	14.14	2W11			20.16	163.14
Liverpool St	14.57	15.10	2W14			20.16	183.30
Shenfield	15.53	16.04	2W33			20.16	203.46
Liverpool St	16.47	17.00	2C58			13.53	216.99
Gidea Park	17.28	17+30	5C58			0.53	217.52
Gidea Pk Mid Sdg	17+32	17+39	5C59			0.53	218.05
Gidea Park	17+41	17.42	2C59			13.53	231.58
Liverpool St	18.11	18.20	2W56			20.16	251.74
Shenfield	19.03	19.14	2W71			20.16	271.90
Liverpool St	19.57	20.10	2W82			20.16	292.06
Shenfield	20.53	21.04	2W93			20.16	312.22
Liverpool St	21.47	22.00	2W04			20.16	332.38
Shenfield	22.43	22.59	2W11			20.16	352.54
Liverpool St	23.43	00.01	2C28			13.53	366.07
Gidea Park	00.31	00+33	5C28			0.53	366.60
Gidea Pk CS	00+35						
						Loaded	363.42
						Empty	3.18
						Total	366.60

IF 153 Class 345

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05.23	3C05			5.93	5.93
Gidea Pk Mid Sdg	05.37	06+01	5C05			0.53	6.46
Gidea Park	06+03	06.04	2C05			13.53	19.99
Liverpool St	06.35	06.50	2W14			20.16	40.15
Shenfield	07.33	07.42	2W31			20.16	60.31
Liverpool St	08.23	08.30	2W34			20.16	80.47
Shenfield	09.13	09.24	2W53			20.16	100.63
Liverpool St	10.07	10.20	2W56			20.16	120.79
Shenfield	11.03	11.14	2W75			20.16	140.95
Liverpool St	11.57	12.10	2W78			20.16	161.11
Shenfield	12.53	13.04	2W97			20.16	181.27
Liverpool St	13.47	14.00	2W00			20.16	201.43
Shenfield	14.43	14.54	2W19			20.16	221.59
Liverpool St	15.37	15.50	2W22			20.16	241.75
Shenfield	16.33	16.44	2W41			20.16	261.91
Liverpool St	17.27	17.36	2W42			20.16	282.07
Shenfield	18.17	18.24	2W61			20.16	302.23
Liverpool St	19.05	19.15	2W70			20.16	322.39
Shenfield	19.58	20.14	2W83			20.16	342.55
Liverpool St	20.57	21.10	2W94			20.16	362.71
Shenfield	21.53	22+04	5V89			12.03	374.74
Ilford EMUD	22+34						
						Loaded	362.18
						Empty	12.56
						Total	374.74

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 154 Class 345

Days SX  
From 12/02/2018  
To 18/05/2018

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

IF 162 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.05	3C09		163(1)\162(2)	5.93	5.93
Gidea Pk Mid Sdg	06.21	06+36	5C09		162(1)\163(2)	0.53	6.46
Gidea Park	06+38	06.39	2C09		162(1)\163(2)	13.53	19.99
Liverpool St	07.10	07.17	2C04		163(1)\162(2)	13.53	33.52
Gidea Park	07.45	07+47	5C04		163(1)\162(2)	0.53	34.05
Gidea Pk Mid Sdg	07+49	08+02	5C27		162(1)\163(2)	0.53	34.58
Gidea Park	08+04	08.05	2C27		162(1)\163(2)	13.53	48.11
Liverpool St	08.34	08+43	5C38		163(1)\162(2)	14.06	62.17
Gidea Pk CS	09+19	16+07	5W34		162(1)\163(2)	14.06	76.23
Liverpool St	16+43	16.57	2W34		163(1)\162(2)	20.16	96.39
Shenfield	17.37	17.44	2W53		162(1)\163(2)	20.16	116.55
Liverpool St	18.24	18.32	2C78		163(1)\162(2)	13.53	130.08
Gidea Park	19.00	19+02	5C78		163(1)\162(2)	0.53	130.61
Gidea Pk CS	19+04						
						Loaded	100.37
						Empty	30.24
						Total	130.61

IF 163 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.05	3C09		163(1)\162(2)	5.93	5.93
Gidea Pk Mid Sdg	06.21	06+36	5C09		162(1)\163(2)	0.53	6.46
Gidea Park	06+38	06.39	2C09		162(1)\163(2)	13.53	19.99
Liverpool St	07.10	07.17	2C04		163(1)\162(2)	13.53	33.52
Gidea Park	07.45	07+47	5C04		163(1)\162(2)	0.53	34.05
Gidea Pk Mid Sdg	07+49	08+02	5C27		162(1)\163(2)	0.53	34.58
Gidea Park	08+04	08.05	2C27		162(1)\163(2)	13.53	48.11
Liverpool St	08.34	08+43	5C38		163(1)\162(2)	14.06	62.17
Gidea Pk CS	09+19	16+07	5W34		162(1)\163(2)	14.06	76.23
Liverpool St	16+43	16.57	2W34		163(1)\162(2)	20.16	96.39
Shenfield	17.37	17.44	2W53		162(1)\163(2)	20.16	116.55
Liverpool St	18.24	18.32	2C78		163(1)\162(2)	13.53	130.08
Gidea Park	19.00	19+02	5C78		163(1)\162(2)	0.53	130.61
Gidea Pk CS	19+04						
						Loaded	100.37
						Empty	30.24
						Total	130.61

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 164 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+10	5W17		165 (1) \164 (2)	12.03	12.03
Shenfield	06+32	06.44	2W17		164 (1) \165 (2)	20.16	32.19
Liverpool St	07.23	07.30	2W22		165 (1) \164 (2)	20.16	52.35
Shenfield	08.13	08.22	2W41		164 (1) \165 (2)	20.16	72.51
Liverpool St	09.02	09+13	5V68		165 (1) \164 (2)	8.00	80.51
Ilford EMUD	09+39	17+06	3C66		164 (1) \165 (2)	8.00	88.51
Liverpool St	17+32	17.42	2C66		165 (1) \164 (2)	13.53	102.04
Gidea Park	18.10	18+11	5C66		165 (1) \164 (2)	0.53	102.57
Gidea Pk Mid Sdg	18+13	18+19	5C67		164 (1) \165 (2)	0.53	103.10
Gidea Park	18+21	18.22	2C67		164 (1) \165 (2)	13.53	116.63
Liverpool St	18.50	18.57	2W64		165 (1) \164 (2)	20.16	136.79
Shenfield	19.40	19+41	5W64		165 (1) \164 (2)	0.30	137.09
Shenfield CS	19+43						
						<b>Loaded</b>	115.70
						<b>Empty</b>	21.39
						<b>Total</b>	137.09

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IF 165 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+10	5W17		165 (1) \164 (2)	12.03	12.03
Shenfield	06+32	06.44	2W17		164 (1) \165 (2)	20.16	32.19
Liverpool St	07.23	07.30	2W22		165 (1) \164 (2)	20.16	52.35
Shenfield	08.13	08.22	2W41		164 (1) \165 (2)	20.16	72.51
Liverpool St	09.02	09+13	5V68		165 (1) \164 (2)	8.00	80.51
Ilford EMUD	09+39	17+06	3C66		164 (1) \165 (2)	8.00	88.51
Liverpool St	17+32	17.42	2C66		165 (1) \164 (2)	13.53	102.04
Gidea Park	18.10	18+11	5C66		165 (1) \164 (2)	0.53	102.57
Gidea Pk Mid Sdg	18+13	18+19	5C67		164 (1) \165 (2)	0.53	103.10
Gidea Park	18+21	18.22	2C67		164 (1) \165 (2)	13.53	116.63
Liverpool St	18.50	18.57	2W64		165 (1) \164 (2)	20.16	136.79
Shenfield	19.40	19+41	5W64		165 (1) \164 (2)	0.30	137.09
Shenfield CS	19+43						
						<b>Loaded</b>	115.70
						<b>Empty</b>	21.39
						<b>Total</b>	137.09

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 166 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+30	5W23		167 (1) \166 (2)	12.03	12.03
Shenfield	06+57	07.10	2W23		166 (1) \167 (2)	20.16	32.19
Liverpool St	07.51	08.00	2W28		167 (1) \166 (2)	20.16	52.35
Shenfield	08.45	08.52	2W47		166 (1) \167 (2)	20.16	72.51
Liverpool St	09.32	09+46	5C46		167 (1) \166 (2)	14.06	86.57
Gidea Pk CS	10+15	16+27	3C60		166 (1) \167 (2)	14.06	100.63
Liverpool St	17+00	17.10	2C60		167 (1) \166 (2)	13.53	114.16
Gidea Park	17.38	17+40	5C60		167 (1) \166 (2)	0.53	114.69
Gidea Pk Mid Sdg	17+42	17+49	5C61		166 (1) \167 (2)	0.53	115.22
Gidea Park	17+51	17.52	2C61		166 (1) \167 (2)	13.53	128.75
Liverpool St	18.21	18.28	2W58		167 (1) \166 (2)	20.16	148.91
Shenfield	19.11	19.24	2W73		166 (1) \167 (2)	20.16	169.07
Liverpool St	20.07	20.20	2W84		167 (1) \166 (2)	20.16	189.23
Shenfield	21.03	21.14	2W95		166 (1) \167 (2)	20.16	209.39
Liverpool St	21.57	22.10	2W06		167 (1) \166 (2)	20.16	229.55
Shenfield	22.53	22+54	5W06		167 (1) \166 (2)	0.30	229.85
Shenfield CS	22+56						
						<b>Loaded</b>	202.40
						<b>Empty</b>	27.45
						<b>Total</b>	229.85

IF 167 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+30	5W23		167 (1) \166 (2)	12.03	12.03
Shenfield	06+57	07.10	2W23		166 (1) \167 (2)	20.16	32.19
Liverpool St	07.51	08.00	2W28		167 (1) \166 (2)	20.16	52.35
Shenfield	08.45	08.52	2W47		166 (1) \167 (2)	20.16	72.51
Liverpool St	09.32	09+46	5C46		167 (1) \166 (2)	14.06	86.57
Gidea Pk CS	10+15	16+27	3C60		166 (1) \167 (2)	14.06	100.63
Liverpool St	17+00	17.10	2C60		167 (1) \166 (2)	13.53	114.16
Gidea Park	17.38	17+40	5C60		167 (1) \166 (2)	0.53	114.69
Gidea Pk Mid Sdg	17+42	17+49	5C61		166 (1) \167 (2)	0.53	115.22
Gidea Park	17+51	17.52	2C61		166 (1) \167 (2)	13.53	128.75
Liverpool St	18.21	18.28	2W58		167 (1) \166 (2)	20.16	148.91
Shenfield	19.11	19.24	2W73		166 (1) \167 (2)	20.16	169.07
Liverpool St	20.07	20.20	2W84		167 (1) \166 (2)	20.16	189.23
Shenfield	21.03	21.14	2W95		166 (1) \167 (2)	20.16	209.39
Liverpool St	21.57	22.10	2W06		167 (1) \166 (2)	20.16	229.55
Shenfield	22.53	22+54	5W06		167 (1) \166 (2)	0.30	229.85
Shenfield CS	22+56						
						<b>Loaded</b>	202.40
						<b>Empty</b>	27.45
						<b>Total</b>	229.85

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 168 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+05	5W13		169 (1) \168 (2)	6.16	6.16
Shenfield	06+16	06.24	2W13		168 (1) \169 (2)	20.16	26.32
Liverpool St	07.03	07.10	2W18		169 (1) \168 (2)	20.16	46.48
Shenfield	07.53	08.02	2W37		168 (1) \169 (2)	20.16	66.64
Liverpool St	08.45	08+56	5V62		169 (1) \168 (2)	8.00	74.64
Ilford EMUD	09+21	16+05	5W32		168 (1) \169 (2)	8.00	82.64
Liverpool St	16+32	16.47	2W32		169 (1) \168 (2)	20.16	102.80
Shenfield	17.27	17.34	2W51		168 (1) \169 (2)	20.16	122.96
Liverpool St	18.15	18.24	2C76		169 (1) \168 (2)	13.53	136.49
Gidea Park	18.52	18+54	5C76		169 (1) \168 (2)	0.53	137.02
Gidea Pk CS	18+56						
						<b>Loaded</b>	<b>114.33</b>
						<b>Empty</b>	<b>22.69</b>
						<b>Total</b>	<b>137.02</b>

IF 169 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+05	5W13		169 (1) \168 (2)	6.16	6.16
Shenfield	06+16	06.24	2W13		168 (1) \169 (2)	20.16	26.32
Liverpool St	07.03	07.10	2W18		169 (1) \168 (2)	20.16	46.48
Shenfield	07.53	08.02	2W37		168 (1) \169 (2)	20.16	66.64
Liverpool St	08.45	08+56	5V62		169 (1) \168 (2)	8.00	74.64
Ilford EMUD	09+21	16+05	5W32		168 (1) \169 (2)	8.00	82.64
Liverpool St	16+32	16.47	2W32		169 (1) \168 (2)	20.16	102.80
Shenfield	17.27	17.34	2W51		168 (1) \169 (2)	20.16	122.96
Liverpool St	18.15	18.24	2C76		169 (1) \168 (2)	13.53	136.49
Gidea Park	18.52	18+54	5C76		169 (1) \168 (2)	0.53	137.02
Gidea Pk CS	18+56						
						<b>Loaded</b>	<b>114.33</b>
						<b>Empty</b>	<b>22.69</b>
						<b>Total</b>	<b>137.02</b>

IF 170 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+46	5C11		170 (1) \171 (2)	0.53	0.53
Gidea Park	06+48	06.49	2C11		170 (1) \171 (2)	13.53	14.06
Liverpool St	07.20	07.27	2C06		171 (1) \170 (2)	13.53	27.59
Gidea Park	07.55	07+56	5C06		171 (1) \170 (2)	0.78	28.37
Gidea PK CE Spur	08+03	08+08	5C29		170 (1) \171 (2)	0.78	29.15
Gidea Park	08+11	08.12	2C29		170 (1) \171 (2)	13.53	42.68
Liverpool St	08.41	08+53	5C40		171 (1) \170 (2)	14.06	56.74
Gidea Pk CS	09+25	15+47	5W30		170 (1) \171 (2)	14.06	70.80
Liverpool St	16+19	16.36	2W30		171 (1) \170 (2)	20.16	90.96
Shenfield	17.17	17.24	2W49		170 (1) \171 (2)	20.16	111.12
Liverpool St	18.05	18.17	2C74		171 (1) \170 (2)	13.53	124.65
Gidea Park	18.45	18+46	5C74		171 (1) \170 (2)	0.53	125.18
Gidea Pk Mid Sdg	18+48	19+07	5V81		170 (1) \171 (2)	5.93	131.11
Ilford EMUD	19+30						
						<b>Loaded</b>	<b>94.44</b>
						<b>Empty</b>	<b>36.67</b>
						<b>Total</b>	<b>131.11</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 171 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+46	5C11		170 (1) \171 (2)	0.53	0.53
Gidea Park	06+48	06.49	2C11		170 (1) \171 (2)	13.53	14.06
Liverpool St	07.20	07.27	2C06		171 (1) \170 (2)	13.53	27.59
Gidea Park	07.55	07+56	5C06		171 (1) \170 (2)	0.78	28.37
Gidea PK CE Spur	08+03	08+08	5C29		170 (1) \171 (2)	0.78	29.15
Gidea Park	08+11	08.12	2C29		170 (1) \171 (2)	13.53	42.68
Liverpool St	08.41	08+53	5C40		171 (1) \170 (2)	14.06	56.74
Gidea Pk CS	09+25	15+47	5W30		170 (1) \171 (2)	14.06	70.80
Liverpool St	16+19	16.36	2W30		171 (1) \170 (2)	20.16	90.96
Shenfield	17.17	17.24	2W49		170 (1) \171 (2)	20.16	111.12
Liverpool St	18.05	18.17	2C74		171 (1) \170 (2)	13.53	124.65
Gidea Park	18.45	18+46	5C74		171 (1) \170 (2)	0.53	125.18
Gidea Pk Mid Sdg	18+48	19+07	5V81		170 (1) \171 (2)	5.93	131.11
Ilford EMUD	19+30						
						<b>Loaded</b>	<b>94.44</b>
						<b>Empty</b>	<b>36.67</b>
						<b>Total</b>	<b>131.11</b>

IF 172 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+15	5C17		172 (1) \173 (2)	0.53	0.53
Gidea Park	07+17	07.18	2C17		172 (1) \173 (2)	13.53	14.06
Liverpool St	07.47	07.57	2C12		173 (1) \172 (2)	13.53	27.59
Gidea Park	08.24	08+25	5C12		173 (1) \172 (2)	0.53	28.12
Gidea Pk CS	08+27	08+34	5C35		172 (1) \173 (2)	0.53	28.65
Gidea Park	08+36	08.37	2C35		172 (1) \173 (2)	13.53	42.18
Liverpool St	09.09	09.20	2W44		173 (1) \172 (2)	20.16	62.34
Shenfield	10.03	10.14	2W63		172 (1) \173 (2)	20.16	82.50
Liverpool St	10.57	11.10	2W66		173 (1) \172 (2)	20.16	102.66
Shenfield	11.53	12.04	2W85		172 (1) \173 (2)	20.16	122.82
Liverpool St	12.47	13.00	2W88		173 (1) \172 (2)	20.16	142.98
Shenfield	13.43	13.54	2W07		172 (1) \173 (2)	20.16	163.14
Liverpool St	14.37	14.50	2W10		173 (1) \172 (2)	20.16	183.30
Shenfield	15.33	15.44	2W29		172 (1) \173 (2)	20.16	203.46
Liverpool St	16.28	16.40	2C54		173 (1) \172 (2)	13.53	216.99
Gidea Park	17.08	17+10	5C54		173 (1) \172 (2)	0.53	217.52
Gidea Pk Mid Sdg	17+12	17+19	5C55		172 (1) \173 (2)	0.53	218.05
Gidea Park	17+21	17.22	2C55		172 (1) \173 (2)	13.53	231.58
Liverpool St	17.50	18.00	2C70		173 (1) \172 (2)	13.53	245.11
Gidea Park	18.28	18+30	5C70		173 (1) \172 (2)	0.53	245.64
Gidea Pk CS	18+32	19+39	5V85		172 (1) \173 (2)	5.93	251.57
Ilford EMUD	19+59						
						<b>Loaded</b>	<b>242.46</b>
						<b>Empty</b>	<b>9.11</b>
						<b>Total</b>	<b>251.57</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 173 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+15	5C17		172 (1) \173 (2)	0.53	0.53
Gidea Park	07+17	07.18	2C17		172 (1) \173 (2)	13.53	14.06
Liverpool St	07.47	07.57	2C12		173 (1) \172 (2)	13.53	27.59
Gidea Park	08.24	08+25	5C12		173 (1) \172 (2)	0.53	28.12
Gidea Pk CS	08+27	08+34	5C35		172 (1) \173 (2)	0.53	28.65
Gidea Park	08+36	08.37	2C35		172 (1) \173 (2)	13.53	42.18
Liverpool St	09.09	09.20	2W44		173 (1) \172 (2)	20.16	62.34
Shenfield	10.03	10.14	2W63		172 (1) \173 (2)	20.16	82.50
Liverpool St	10.57	11.10	2W66		173 (1) \172 (2)	20.16	102.66
Shenfield	11.53	12.04	2W85		172 (1) \173 (2)	20.16	122.82
Liverpool St	12.47	13.00	2W88		173 (1) \172 (2)	20.16	142.98
Shenfield	13.43	13.54	2W07		172 (1) \173 (2)	20.16	163.14
Liverpool St	14.37	14.50	2W10		173 (1) \172 (2)	20.16	183.30
Shenfield	15.33	15.44	2W29		172 (1) \173 (2)	20.16	203.46
Liverpool St	16.28	16.40	2C54		173 (1) \172 (2)	13.53	216.99
Gidea Park	17.08	17+10	5C54		173 (1) \172 (2)	0.53	217.52
Gidea Pk Mid Sdg	17+12	17+19	5C55		172 (1) \173 (2)	0.53	218.05
Gidea Park	17+21	17.22	2C55		172 (1) \173 (2)	13.53	231.58
Liverpool St	17.50	18.00	2C70		173 (1) \172 (2)	13.53	245.11
Gidea Park	18.28	18+30	5C70		173 (1) \172 (2)	0.53	245.64
Gidea Pk CS	18+32	19+39	5V85		172 (1) \173 (2)	5.93	251.57
Ilford EMUD	19+59						
						<b>Loaded</b>	<b>242.46</b>
						<b>Empty</b>	<b>9.11</b>
						<b>Total</b>	<b>251.57</b>

IF 174 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		174 (1) \175 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		174 (1) \175 (2)	20.16	20.46
Liverpool St	06.12	06.20	2W08		175 (1) \174 (2)	20.16	40.62
Shenfield	07.04	07.19	2W25		174 (1) \175 (2)	20.16	60.78
Liverpool St	08.00	08.10	2W30		175 (1) \174 (2)	20.16	80.94
Shenfield	08.53	09.02	2W49		174 (1) \175 (2)	20.16	101.10
Liverpool St	09.42	09+53	5C48		175 (1) \174 (2)	14.06	115.16
Gidea Pk CS	10+25	12+41	5C73		174 (1) \175 (2)	14.06	129.22
Liverpool St	13+09	13+17	5V74		175 (1) \174 (2)	8.00	137.22
Ilford EMUD	13+42	14+00	5C76		175 (1) \174 (2)	5.93	143.15
Gidea Pk CS	14+15	15+31	3C50		174 (1) \175 (2)	14.06	157.21
Liverpool St	16+03	16.15	2C50		175 (1) \174 (2)	13.53	170.74
Gidea Park	16.45	16+50	5C50		175 (1) \174 (2)	0.53	171.27
Gidea Pk Mid Sdg	16+52	16+59	5C51		174 (1) \175 (2)	0.53	171.80
Gidea Park	17+01	17.02	2C51		174 (1) \175 (2)	13.53	185.33
Liverpool St	17.30	17.39	2W44		175 (1) \174 (2)	20.16	205.49
Shenfield	18.21	18+28	3C71		174 (1) \175 (2)	6.69	212.18
Gidea Park	18+38	18.42	2C71		174 (1) \175 (2)	13.53	225.71
Liverpool St	19.10	19.22	2W72		175 (1) \174 (2)	20.16	245.87
Shenfield	20.07	20.24	2W85		174 (1) \175 (2)	20.16	266.03
Liverpool St	21.07	21.20	2W96		175 (1) \174 (2)	20.16	286.19
Shenfield	22.03	22.14	2W05		174 (1) \175 (2)	20.16	306.35
Liverpool St	22.57	23.20	2W16		175 (1) \174 (2)	20.16	326.51
Shenfield	00.03	00+10	5C83		174 (1) \175 (2)	6.69	333.20
Gidea Park	00+19	00+25	5C83		175 (1) \174 (2)	0.53	333.73
Gidea Pk CS	00+27						
						<b>Loaded</b>	<b>283.10</b>
						<b>Empty</b>	<b>50.63</b>
						<b>Total</b>	<b>333.73</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 175 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		174 (1) \175 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		174 (1) \175 (2)	20.16	20.46
Liverpool St	06.12	06.20	2W08		175 (1) \174 (2)	20.16	40.62
Shenfield	07.04	07.19	2W25		174 (1) \175 (2)	20.16	60.78
Liverpool St	08.00	08.10	2W30		175 (1) \174 (2)	20.16	80.94
Shenfield	08.53	09.02	2W49		174 (1) \175 (2)	20.16	101.10
Liverpool St	09.42	09+53	5C48		175 (1) \174 (2)	14.06	115.16
Gidea Pk CS	10+25	12+41	5C73		174 (1) \175 (2)	14.06	129.22
Liverpool St	13+09	13+17	5V74		175 (1) \174 (2)	8.00	137.22
Ilford EMUD	13+42	14+00	5C76		175 (1) \174 (2)	5.93	143.15
Gidea Pk CS	14+15	15+31	3C50		174 (1) \175 (2)	14.06	157.21
Liverpool St	16+03	16.15	2C50		175 (1) \174 (2)	13.53	170.74
Gidea Park	16.45	16+50	5C50		175 (1) \174 (2)	0.53	171.27
Gidea Pk Mid Sdg	16+52	16+59	5C51		174 (1) \175 (2)	0.53	171.80
Gidea Park	17+01	17.02	2C51		174 (1) \175 (2)	13.53	185.33
Liverpool St	17.30	17.39	2W44		175 (1) \174 (2)	20.16	205.49
Shenfield	18.21	18+28	3C71		174 (1) \175 (2)	6.69	212.18
Gidea Park	18+38	18.42	2C71		174 (1) \175 (2)	13.53	225.71
Liverpool St	19.10	19.22	2W72		175 (1) \174 (2)	20.16	245.87
Shenfield	20.07	20.24	2W85		174 (1) \175 (2)	20.16	266.03
Liverpool St	21.07	21.20	2W96		175 (1) \174 (2)	20.16	286.19
Shenfield	22.03	22.14	2W05		174 (1) \175 (2)	20.16	306.35
Liverpool St	22.57	23.20	2W16		175 (1) \174 (2)	20.16	326.51
Shenfield	00.03	00+10	5C83		174 (1) \175 (2)	6.69	333.20
Gidea Park	00+19	00+25	5C83		175 (1) \174 (2)	0.53	333.73
Gidea Pk CS	00+27						
						<b>Loaded</b>	<b>283.10</b>
						<b>Empty</b>	<b>50.63</b>
						<b>Total</b>	<b>333.73</b>

IF 176 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+46	5W33		176 (1) \177 (2)	0.30	0.30
Shenfield	07+48	07.49	2W33		176 (1) \177 (2)	20.16	20.46
Liverpool St	08.30	08.40	2W36		177 (1) \176 (2)	20.16	40.62
Shenfield	09.23	09.34	2W55		176 (1) \177 (2)	20.16	60.78
Liverpool St	10.17	10.30	2W58		177 (1) \176 (2)	20.16	80.94
Shenfield	11.13	11.24	2W77		176 (1) \177 (2)	20.16	101.10
Liverpool St	12.07	12.20	2W80		177 (1) \176 (2)	20.16	121.26
Shenfield	13.03	13.14	2W99		176 (1) \177 (2)	20.16	141.42
Liverpool St	13.57	14.10	2W02		177 (1) \176 (2)	20.16	161.58
Shenfield	14.53	15.04	2W21		176 (1) \177 (2)	20.16	181.74
Liverpool St	15.47	16.00	2W24		177 (1) \176 (2)	20.16	201.90
Shenfield	16.43	16.54	2W43		176 (1) \177 (2)	20.16	222.06
Liverpool St	17.35	17.46	2W46		177 (1) \176 (2)	20.16	242.22
Shenfield	18.27	18.34	2W63		176 (1) \177 (2)	20.16	262.38
Liverpool St	19.18	19.30	2W74		177 (1) \176 (2)	20.16	282.54
Shenfield	20.13	20+14	5W74		177 (1) \176 (2)	0.30	282.84
Shenfield CS	20+16	20+38	5V97		176 (1) \177 (2)	12.33	295.17
Ilford EMUD	21+09						
						<b>Loaded</b>	<b>282.24</b>
						<b>Empty</b>	<b>12.93</b>
						<b>Total</b>	<b>295.17</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 177 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+46	5W33		176(1)\177(2)	0.30	0.30
Shenfield	07+48	07.49	2W33		176(1)\177(2)	20.16	20.46
Liverpool St	08.30	08.40	2W36		177(1)\176(2)	20.16	40.62
Shenfield	09.23	09.34	2W55		176(1)\177(2)	20.16	60.78
Liverpool St	10.17	10.30	2W58		177(1)\176(2)	20.16	80.94
Shenfield	11.13	11.24	2W77		176(1)\177(2)	20.16	101.10
Liverpool St	12.07	12.20	2W80		177(1)\176(2)	20.16	121.26
Shenfield	13.03	13.14	2W99		176(1)\177(2)	20.16	141.42
Liverpool St	13.57	14.10	2W02		177(1)\176(2)	20.16	161.58
Shenfield	14.53	15.04	2W21		176(1)\177(2)	20.16	181.74
Liverpool St	15.47	16.00	2W24		177(1)\176(2)	20.16	201.90
Shenfield	16.43	16.54	2W43		176(1)\177(2)	20.16	222.06
Liverpool St	17.35	17.46	2W46		177(1)\176(2)	20.16	242.22
Shenfield	18.27	18.34	2W63		176(1)\177(2)	20.16	262.38
Liverpool St	19.18	19.30	2W74		177(1)\176(2)	20.16	282.54
Shenfield	20.13	20+14	5W74		177(1)\176(2)	0.30	282.84
Shenfield CS	20+16	20+38	5V97		176(1)\177(2)	12.33	295.17
Ilford EMUD	21+09						
						Loaded	282.24
						Empty	12.93
						Total	295.17

IF 178 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		178(1)\179(2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		179(1)\178(2)	20.16	28.16
Shenfield	06.07	06.14	2W11		178(1)\179(2)	20.16	48.32
Liverpool St	06.57	07.07	2C02		179(1)\178(2)	13.53	61.85
Gidea Park	07.35	07+36	5C02		179(1)\178(2)	0.78	62.63
Gidea PK CE Spur	07+43	07+54	5C25		178(1)\179(2)	0.78	63.41
Gidea Park	07+57	07.58	2C25		178(1)\179(2)	13.53	76.94
Liverpool St	08.27	08.37	2C20		179(1)\178(2)	13.53	90.47
Gidea Park	09.04	09+05	5C20		179(1)\178(2)	0.53	91.00
Gidea Pk CS	09+07	09+14	5C43		178(1)\179(2)	0.53	91.53
Gidea Park	09+16	09.17	2C43		178(1)\179(2)	13.53	105.06
Liverpool St	09.49	10.00	2W52		179(1)\178(2)	20.16	125.22
Shenfield	10.43	10.54	2W71		178(1)\179(2)	20.16	145.38
Liverpool St	11.37	11.50	2W74		179(1)\178(2)	20.16	165.54
Shenfield	12.34	12.44	2W93		178(1)\179(2)	20.16	185.70
Liverpool St	13.27	13.40	2W96		179(1)\178(2)	20.16	205.86
Shenfield	14.23	14.34	2W15		178(1)\179(2)	20.16	226.02
Liverpool St	15.17	15.30	2W18		179(1)\178(2)	20.16	246.18
Shenfield	16.13	16.24	2W37		178(1)\179(2)	20.16	266.34
Liverpool St	17.07	17.17	2W38		179(1)\178(2)	20.16	286.50
Shenfield	17.57	18.04	2W57		178(1)\179(2)	20.16	306.66
Liverpool St	18.43	18.52	2C82		179(1)\178(2)	13.53	320.19
Gidea Park	19.20	19+22	5C82		179(1)\178(2)	0.53	320.72
Gidea Pk CS	19+24						
						Loaded	309.57
						Empty	11.15
						Total	320.72

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 179 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00		178 (1) \179 (2)	8.00	8.00
Liverpool St	05+08	05.24	2W00		179 (1) \178 (2)	20.16	28.16
Shenfield	06.07	06.14	2W11		178 (1) \179 (2)	20.16	48.32
Liverpool St	06.57	07.07	2C02		179 (1) \178 (2)	13.53	61.85
Gidea Park	07.35	07+36	5C02		179 (1) \178 (2)	0.78	62.63
Gidea PK CE Spur	07+43	07+54	5C25		178 (1) \179 (2)	0.78	63.41
Gidea Park	07+57	07.58	2C25		178 (1) \179 (2)	13.53	76.94
Liverpool St	08.27	08.37	2C20		179 (1) \178 (2)	13.53	90.47
Gidea Park	09.04	09+05	5C20		179 (1) \178 (2)	0.53	91.00
Gidea Pk CS	09+07	09+14	5C43		178 (1) \179 (2)	0.53	91.53
Gidea Park	09+16	09.17	2C43		178 (1) \179 (2)	13.53	105.06
Liverpool St	09.49	10.00	2W52		179 (1) \178 (2)	20.16	125.22
Shenfield	10.43	10.54	2W71		178 (1) \179 (2)	20.16	145.38
Liverpool St	11.37	11.50	2W74		179 (1) \178 (2)	20.16	165.54
Shenfield	12.34	12.44	2W93		178 (1) \179 (2)	20.16	185.70
Liverpool St	13.27	13.40	2W96		179 (1) \178 (2)	20.16	205.86
Shenfield	14.23	14.34	2W15		178 (1) \179 (2)	20.16	226.02
Liverpool St	15.17	15.30	2W18		179 (1) \178 (2)	20.16	246.18
Shenfield	16.13	16.24	2W37		178 (1) \179 (2)	20.16	266.34
Liverpool St	17.07	17.17	2W38		179 (1) \178 (2)	20.16	286.50
Shenfield	17.57	18.04	2W57		178 (1) \179 (2)	20.16	306.66
Liverpool St	18.43	18.52	2C82		179 (1) \178 (2)	13.53	320.19
Gidea Park	19.20	19+22	5C82		179 (1) \178 (2)	0.53	320.72
Gidea Pk CS	19+24						
						<b>Loaded</b>	<b>309.57</b>
						<b>Empty</b>	<b>11.15</b>
						<b>Total</b>	<b>320.72</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 180 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.40	3C15		181 (1) \180 (2)	5.93	5.93
Gidea Pk Mid Sdg	06.55	07+06	5C15		180 (1) \181 (2)	0.53	6.46
Gidea Park	07+08	07.09	2C15		180 (1) \181 (2)	13.53	19.99
Liverpool St	07.40	07.47	2C10		181 (1) \180 (2)	13.53	33.52
Gidea Park	08.15	08+17	5C10		181 (1) \180 (2)	0.53	34.05
Gidea Pk Mid Sdg	08+19	08+26	5C33		180 (1) \181 (2)	0.53	34.58
Gidea Park	08+28	08.29	2C33		180 (1) \181 (2)	13.53	48.11
Liverpool St	08.59	09.10	2W42		181 (1) \180 (2)	20.16	68.27
Shenfield	09.53	10.04	2W61		180 (1) \181 (2)	20.16	88.43
Liverpool St	10.47	11.00	2W64		181 (1) \180 (2)	20.16	108.59
Shenfield	11.43	11.54	2W83		180 (1) \181 (2)	20.16	128.75
Liverpool St	12.37	12.50	2W86		181 (1) \180 (2)	20.16	148.91
Shenfield	13.33	13.44	2W05		180 (1) \181 (2)	20.16	169.07
Liverpool St	14.27	14.40	2W08		181 (1) \180 (2)	20.16	189.23
Shenfield	15.23	15.34	2W27		180 (1) \181 (2)	20.16	209.39
Liverpool St	16.17	16.29	2C52		181 (1) \180 (2)	13.53	222.92
Gidea Park	16.59	17+00	5C52		181 (1) \180 (2)	0.53	223.45
Gidea Pk Mid Sdg	17+02	17+09	5C53		180 (1) \181 (2)	0.53	223.98
Gidea Park	17+11	17.12	2C53		180 (1) \181 (2)	13.53	237.51
Liverpool St	17.40	17.49	2W48		181 (1) \180 (2)	20.16	257.67
Shenfield	18.31	18.44	2W65		180 (1) \181 (2)	20.16	277.83
Liverpool St	19.27	19.38	2W76		181 (1) \180 (2)	20.16	297.99
Shenfield	20.21	20.34	2W87		180 (1) \181 (2)	20.16	318.15
Liverpool St	21.17	21.30	2W98		181 (1) \180 (2)	20.16	338.31
Shenfield	22.13	22.29	2W07		180 (1) \181 (2)	20.16	358.47
Liverpool St	23.12	23.35	2W18		181 (1) \180 (2)	20.16	378.63
Shenfield	00.18	00+25	5C85		180 (1) \181 (2)	6.69	385.32
Gidea Park	00+34	00+40	5C85		181 (1) \180 (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>



DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 181 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06.40	3C15		181 (1) \180 (2)	5.93	5.93
Gidea Pk Mid Sdg	06.55	07+06	5C15		180 (1) \181 (2)	0.53	6.46
Gidea Park	07+08	07.09	2C15		180 (1) \181 (2)	13.53	19.99
Liverpool St	07.40	07.47	2C10		181 (1) \180 (2)	13.53	33.52
Gidea Park	08.15	08+17	5C10		181 (1) \180 (2)	0.53	34.05
Gidea Pk Mid Sdg	08+19	08+26	5C33		180 (1) \181 (2)	0.53	34.58
Gidea Park	08+28	08.29	2C33		180 (1) \181 (2)	13.53	48.11
Liverpool St	08.59	09.10	2W42		181 (1) \180 (2)	20.16	68.27
Shenfield	09.53	10.04	2W61		180 (1) \181 (2)	20.16	88.43
Liverpool St	10.47	11.00	2W64		181 (1) \180 (2)	20.16	108.59
Shenfield	11.43	11.54	2W83		180 (1) \181 (2)	20.16	128.75
Liverpool St	12.37	12.50	2W86		181 (1) \180 (2)	20.16	148.91
Shenfield	13.33	13.44	2W05		180 (1) \181 (2)	20.16	169.07
Liverpool St	14.27	14.40	2W08		181 (1) \180 (2)	20.16	189.23
Shenfield	15.23	15.34	2W27		180 (1) \181 (2)	20.16	209.39
Liverpool St	16.17	16.29	2C52		181 (1) \180 (2)	13.53	222.92
Gidea Park	16.59	17+00	5C52		181 (1) \180 (2)	0.53	223.45
Gidea Pk Mid Sdg	17+02	17+09	5C53		180 (1) \181 (2)	0.53	223.98
Gidea Park	17+11	17.12	2C53		180 (1) \181 (2)	13.53	237.51
Liverpool St	17.40	17.49	2W48		181 (1) \180 (2)	20.16	257.67
Shenfield	18.31	18.44	2W65		180 (1) \181 (2)	20.16	277.83
Liverpool St	19.27	19.38	2W76		181 (1) \180 (2)	20.16	297.99
Shenfield	20.21	20.34	2W87		180 (1) \181 (2)	20.16	318.15
Liverpool St	21.17	21.30	2W98		181 (1) \180 (2)	20.16	338.31
Shenfield	22.13	22.29	2W07		180 (1) \181 (2)	20.16	358.47
Liverpool St	23.12	23.35	2W18		181 (1) \180 (2)	20.16	378.63
Shenfield	00.18	00+25	5C85		180 (1) \181 (2)	6.69	385.32
Gidea Park	00+34	00+40	5C85		181 (1) \180 (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>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 182 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+46	5C03		182 (1) \183 (2)	0.53	0.53
Gidea Park	05+48	05.49	2C03		182 (1) \183 (2)	13.53	14.06
Liverpool St	06.20	06.30	2W10		183 (1) \182 (2)	20.16	34.22
Shenfield	07.13	07.28	2W27		182 (1) \183 (2)	20.16	54.38
Liverpool St	08.09	08.20	2W32		183 (1) \182 (2)	20.16	74.54
Shenfield	09.05	09.14	2W51		182 (1) \183 (2)	20.16	94.70
Liverpool St	09.57	10.10	2W54		183 (1) \182 (2)	20.16	114.86
Shenfield	10.53	11.04	2W73		182 (1) \183 (2)	20.16	135.02
Liverpool St	11.47	12.00	2W76		183 (1) \182 (2)	20.16	155.18
Shenfield	12.43	12.54	2W95		182 (1) \183 (2)	20.16	175.34
Liverpool St	13.37	13.50	2W98		183 (1) \182 (2)	20.16	195.50
Shenfield	14.33	14.44	2W17		182 (1) \183 (2)	20.16	215.66
Liverpool St	15.27	15.40	2W20		183 (1) \182 (2)	20.16	235.82
Shenfield	16.23	16.34	2W39		182 (1) \183 (2)	20.16	255.98
Liverpool St	17.17	17.27	2W40		183 (1) \182 (2)	20.16	276.14
Shenfield	18.07	18.14	2W59		182 (1) \183 (2)	20.16	296.30
Liverpool St	18.53	19.02	2W66		183 (1) \182 (2)	20.16	316.46
Shenfield	19.44	19.54	2W79		182 (1) \183 (2)	20.16	336.62
Liverpool St	20.37	20.50	2W90		183 (1) \182 (2)	20.16	356.78
Shenfield	21.33	21.44	2W01		182 (1) \183 (2)	20.16	376.94
Liverpool St	22.27	22.50	2W12		183 (1) \182 (2)	20.16	397.10
Shenfield	23.33	23.44	2W17		182 (1) \183 (2)	20.16	417.26
Liverpool St	00.28	00.55	2W32		183 (1) \182 (2)	20.16	437.42
Shenfield	01.38						
						Loaded	436.89
						Empty	0.53
						Total	437.42

IF 183 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+46	5C03		182 (1) \183 (2)	0.53	0.53
Gidea Park	05+48	05.49	2C03		182 (1) \183 (2)	13.53	14.06
Liverpool St	06.20	06.30	2W10		183 (1) \182 (2)	20.16	34.22
Shenfield	07.13	07.28	2W27		182 (1) \183 (2)	20.16	54.38
Liverpool St	08.09	08.20	2W32		183 (1) \182 (2)	20.16	74.54
Shenfield	09.05	09.14	2W51		182 (1) \183 (2)	20.16	94.70
Liverpool St	09.57	10.10	2W54		183 (1) \182 (2)	20.16	114.86
Shenfield	10.53	11.04	2W73		182 (1) \183 (2)	20.16	135.02
Liverpool St	11.47	12.00	2W76		183 (1) \182 (2)	20.16	155.18
Shenfield	12.43	12.54	2W95		182 (1) \183 (2)	20.16	175.34
Liverpool St	13.37	13.50	2W98		183 (1) \182 (2)	20.16	195.50
Shenfield	14.33	14.44	2W17		182 (1) \183 (2)	20.16	215.66
Liverpool St	15.27	15.40	2W20		183 (1) \182 (2)	20.16	235.82
Shenfield	16.23	16.34	2W39		182 (1) \183 (2)	20.16	255.98
Liverpool St	17.17	17.27	2W40		183 (1) \182 (2)	20.16	276.14
Shenfield	18.07	18.14	2W59		182 (1) \183 (2)	20.16	296.30
Liverpool St	18.53	19.02	2W66		183 (1) \182 (2)	20.16	316.46
Shenfield	19.44	19.54	2W79		182 (1) \183 (2)	20.16	336.62
Liverpool St	20.37	20.50	2W90		183 (1) \182 (2)	20.16	356.78
Shenfield	21.33	21.44	2W01		182 (1) \183 (2)	20.16	376.94
Liverpool St	22.27	22.50	2W12		183 (1) \182 (2)	20.16	397.10
Shenfield	23.33	23.44	2W17		182 (1) \183 (2)	20.16	417.26
Liverpool St	00.28	00.55	2W32		183 (1) \182 (2)	20.16	437.42
Shenfield	01.38						
						Loaded	436.89
						Empty	0.53
						Total	437.42

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 184 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+56	5C13		184 (1) \185 (2)	0.53	0.53
Gidea Park	06+58	06.59	2C13		184 (1) \185 (2)	13.53	14.06
Liverpool St	07.30	07.37	2C08		185 (1) \184 (2)	13.53	27.59
Gidea Park	08.05	08+06	5C08		185 (1) \184 (2)	0.53	28.12
Gidea Pk Mid Sdg	08+08	08+16	5C31		184 (1) \185 (2)	0.53	28.65
Gidea Park	08+18	08.19	2C31		184 (1) \185 (2)	13.53	42.18
Liverpool St	08.49	09.00	2W40		185 (1) \184 (2)	20.16	62.34
Shenfield	09.43	09.54	2W59		184 (1) \185 (2)	20.16	82.50
Liverpool St	10.37	10.50	2W62		185 (1) \184 (2)	20.16	102.66
Shenfield	11.33	11.44	2W81		184 (1) \185 (2)	20.16	122.82
Liverpool St	12.27	12.40	2W84		185 (1) \184 (2)	20.16	142.98
Shenfield	13.23	13.34	2W03		184 (1) \185 (2)	20.16	163.14
Liverpool St	14.17	14.30	2W06		185 (1) \184 (2)	20.16	183.30
Shenfield	15.13	15.24	2W25		184 (1) \185 (2)	20.16	203.46
Liverpool St	16.07	16.22	2W28		185 (1) \184 (2)	20.16	223.62
Shenfield	17.07	17.14	2W47		184 (1) \185 (2)	20.16	243.78
Liverpool St	17.53	18.04	2W52		185 (1) \184 (2)	20.16	263.94
Shenfield	18.47	18.54	2W67		184 (1) \185 (2)	20.16	284.10
Liverpool St	19.37	19.52	2W78		185 (1) \184 (2)	20.16	304.26
Shenfield	20.35	20.44	2W89		184 (1) \185 (2)	20.16	324.42
Liverpool St	21.27	21.40	2W00		185 (1) \184 (2)	20.16	344.58
Shenfield	22.23	22+34	5V91		184 (1) \185 (2)	12.03	356.61
Ilford EMUD	23+04						
						Loaded	342.99
						Empty	13.62
						Total	356.61

IF 185 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+56	5C13		184 (1) \185 (2)	0.53	0.53
Gidea Park	06+58	06.59	2C13		184 (1) \185 (2)	13.53	14.06
Liverpool St	07.30	07.37	2C08		185 (1) \184 (2)	13.53	27.59
Gidea Park	08.05	08+06	5C08		185 (1) \184 (2)	0.53	28.12
Gidea Pk Mid Sdg	08+08	08+16	5C31		184 (1) \185 (2)	0.53	28.65
Gidea Park	08+18	08.19	2C31		184 (1) \185 (2)	13.53	42.18
Liverpool St	08.49	09.00	2W40		185 (1) \184 (2)	20.16	62.34
Shenfield	09.43	09.54	2W59		184 (1) \185 (2)	20.16	82.50
Liverpool St	10.37	10.50	2W62		185 (1) \184 (2)	20.16	102.66
Shenfield	11.33	11.44	2W81		184 (1) \185 (2)	20.16	122.82
Liverpool St	12.27	12.40	2W84		185 (1) \184 (2)	20.16	142.98
Shenfield	13.23	13.34	2W03		184 (1) \185 (2)	20.16	163.14
Liverpool St	14.17	14.30	2W06		185 (1) \184 (2)	20.16	183.30
Shenfield	15.13	15.24	2W25		184 (1) \185 (2)	20.16	203.46
Liverpool St	16.07	16.22	2W28		185 (1) \184 (2)	20.16	223.62
Shenfield	17.07	17.14	2W47		184 (1) \185 (2)	20.16	243.78
Liverpool St	17.53	18.04	2W52		185 (1) \184 (2)	20.16	263.94
Shenfield	18.47	18.54	2W67		184 (1) \185 (2)	20.16	284.10
Liverpool St	19.37	19.52	2W78		185 (1) \184 (2)	20.16	304.26
Shenfield	20.35	20.44	2W89		184 (1) \185 (2)	20.16	324.42
Liverpool St	21.27	21.40	2W00		185 (1) \184 (2)	20.16	344.58
Shenfield	22.23	22+34	5V91		184 (1) \185 (2)	12.03	356.61
Ilford EMUD	23+04						
						Loaded	342.99
						Empty	13.62
						Total	356.61

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 186 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		186(1)\187(2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		187(1)\186(2)	20.16	40.32
Shenfield	06.23	06.34	2W15		186(1)\187(2)	20.16	60.48
Liverpool St	07.13	07.20	2W20		187(1)\186(2)	20.16	80.64
Shenfield	08.05	08.12	2W39		186(1)\187(2)	20.16	100.80
Liverpool St	08.53	09+03	5V64		187(1)\186(2)	8.00	108.80
Ilford EMUD	09+29	17+16	3C68		186(1)\187(2)	8.00	116.80
Liverpool St	17+42	17.52	2C68		187(1)\186(2)	13.53	130.33
Gidea Park	18.20	18+21	5C68		187(1)\186(2)	0.53	130.86
Gidea Pk Mid Sdg	18+23	18+29	5C69		186(1)\187(2)	0.53	131.39
Gidea Park	18+31	18.32	2C69		186(1)\187(2)	13.53	144.92
Liverpool St	19.00	19.08	2W68		187(1)\186(2)	20.16	165.08
Shenfield	19.51	20.04	2W81		186(1)\187(2)	20.16	185.24
Liverpool St	20.47	21.00	2W92		187(1)\186(2)	20.16	205.40
Shenfield	21.43	21.59	2W03		186(1)\187(2)	20.16	225.56
Liverpool St	22.43	23.05	2W14		187(1)\186(2)	20.16	245.72
Shenfield	23.48	23+49	5W14		187(1)\186(2)	0.30	246.02
Shenfield CS	23+51						
						Loaded	236.66
						Empty	9.36
						Total	246.02

IF 187 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		186(1)\187(2)	20.16	20.16
Liverpool St	05.27	05.40	2W02		187(1)\186(2)	20.16	40.32
Shenfield	06.23	06.34	2W15		186(1)\187(2)	20.16	60.48
Liverpool St	07.13	07.20	2W20		187(1)\186(2)	20.16	80.64
Shenfield	08.05	08.12	2W39		186(1)\187(2)	20.16	100.80
Liverpool St	08.53	09+03	5V64		187(1)\186(2)	8.00	108.80
Ilford EMUD	09+29	17+16	3C68		186(1)\187(2)	8.00	116.80
Liverpool St	17+42	17.52	2C68		187(1)\186(2)	13.53	130.33
Gidea Park	18.20	18+21	5C68		187(1)\186(2)	0.53	130.86
Gidea Pk Mid Sdg	18+23	18+29	5C69		186(1)\187(2)	0.53	131.39
Gidea Park	18+31	18.32	2C69		186(1)\187(2)	13.53	144.92
Liverpool St	19.00	19.08	2W68		187(1)\186(2)	20.16	165.08
Shenfield	19.51	20.04	2W81		186(1)\187(2)	20.16	185.24
Liverpool St	20.47	21.00	2W92		187(1)\186(2)	20.16	205.40
Shenfield	21.43	21.59	2W03		186(1)\187(2)	20.16	225.56
Liverpool St	22.43	23.05	2W14		187(1)\186(2)	20.16	245.72
Shenfield	23.48	23+49	5W14		187(1)\186(2)	0.30	246.02
Shenfield CS	23+51						
						Loaded	236.66
						Empty	9.36
						Total	246.02

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 188 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		188 (1) \ 189 (2)	0.30	0.30
Shenfield	05+43	05.44	2W07		188 (1) \ 189 (2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		189 (1) \ 188 (2)	20.16	40.62
Shenfield	07.23	07.37	2W29		188 (1) \ 189 (2)	20.16	60.78
Liverpool St	08.18	08.27	2C18		189 (1) \ 188 (2)	13.53	74.31
Gidea Park	08.55	08+57	5C18		189 (1) \ 188 (2)	0.53	74.84
Gidea Pk Mid Sdg	08+59	09+06	5C41		188 (1) \ 189 (2)	0.53	75.37
Gidea Park	09+08	09.09	2C41		188 (1) \ 189 (2)	13.53	88.90
Liverpool St	09.39	09.50	2W50		189 (1) \ 188 (2)	20.16	109.06
Shenfield	10.33	10.44	2W69		188 (1) \ 189 (2)	20.16	129.22
Liverpool St	11.27	11.40	2W72		189 (1) \ 188 (2)	20.16	149.38
Shenfield	12.23	12.34	2W91		188 (1) \ 189 (2)	20.16	169.54
Liverpool St	13.17	13.30	2W94		189 (1) \ 188 (2)	20.16	189.70
Shenfield	14.13	14.24	2W13		188 (1) \ 189 (2)	20.16	209.86
Liverpool St	15.07	15.20	2W16		189 (1) \ 188 (2)	20.16	230.02
Shenfield	16.03	16.14	2W35		188 (1) \ 189 (2)	20.16	250.18
Liverpool St	16.57	17.07	2W36		189 (1) \ 188 (2)	20.16	270.34
Shenfield	17.47	17.54	2W55		188 (1) \ 189 (2)	20.16	290.50
Liverpool St	18.33	18.42	2C80		189 (1) \ 188 (2)	13.53	304.03
Gidea Park	19.10	19+12	5C80		189 (1) \ 188 (2)	0.53	304.56
Gidea Pk Mid Sdg	19+14	19+31	5V83		188 (1) \ 189 (2)	5.93	310.49
Ilford EMUD	19+52						
						Loaded	302.67
						Empty	7.82
						Total	310.49

IF 189 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+41	5W07		188 (1) \ 189 (2)	0.30	0.30
Shenfield	05+43	05.44	2W07		188 (1) \ 189 (2)	20.16	20.46
Liverpool St	06.27	06.40	2W12		189 (1) \ 188 (2)	20.16	40.62
Shenfield	07.23	07.37	2W29		188 (1) \ 189 (2)	20.16	60.78
Liverpool St	08.18	08.27	2C18		189 (1) \ 188 (2)	13.53	74.31
Gidea Park	08.55	08+57	5C18		189 (1) \ 188 (2)	0.53	74.84
Gidea Pk Mid Sdg	08+59	09+06	5C41		188 (1) \ 189 (2)	0.53	75.37
Gidea Park	09+08	09.09	2C41		188 (1) \ 189 (2)	13.53	88.90
Liverpool St	09.39	09.50	2W50		189 (1) \ 188 (2)	20.16	109.06
Shenfield	10.33	10.44	2W69		188 (1) \ 189 (2)	20.16	129.22
Liverpool St	11.27	11.40	2W72		189 (1) \ 188 (2)	20.16	149.38
Shenfield	12.23	12.34	2W91		188 (1) \ 189 (2)	20.16	169.54
Liverpool St	13.17	13.30	2W94		189 (1) \ 188 (2)	20.16	189.70
Shenfield	14.13	14.24	2W13		188 (1) \ 189 (2)	20.16	209.86
Liverpool St	15.07	15.20	2W16		189 (1) \ 188 (2)	20.16	230.02
Shenfield	16.03	16.14	2W35		188 (1) \ 189 (2)	20.16	250.18
Liverpool St	16.57	17.07	2W36		189 (1) \ 188 (2)	20.16	270.34
Shenfield	17.47	17.54	2W55		188 (1) \ 189 (2)	20.16	290.50
Liverpool St	18.33	18.42	2C80		189 (1) \ 188 (2)	13.53	304.03
Gidea Park	19.10	19+12	5C80		189 (1) \ 188 (2)	0.53	304.56
Gidea Pk Mid Sdg	19+14	19+31	5V83		188 (1) \ 189 (2)	5.93	310.49
Ilford EMUD	19+52						
						Loaded	302.67
						Empty	7.82
						Total	310.49

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 200 Class 315/0

Days SX  
From 05/02/2018  
To 18/05/2018

	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+49	12+58	5W91			20.16	48.32
Liverpool St	13+29	13+37	5V76			8.00	56.32
Ilford EMUD	13+59						
						<b>Loaded</b>	0.00
						<b>Empty</b>	56.32
						<b>Total</b>	56.32

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IL 600 Class 317/8

Days MO  
From 11/12/2017  
To 14/05/2018

Extract from Arriva Rail London diagrams

	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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

Empty	4.61
Total	222.21

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IL 600 Class 317/8

Days MSX  
From 12/12/2017  
To 18/05/2018

Extract from Arriva Rail London diagrams

	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

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Monday 5 February 2018 to Saturday 19 May 2018

Romford	22.03	22+11	5V87	0.16	223.06
Romford Signal L450	22+13	22+20	5V87	4.45	227.51
Ilford EMUD	22+39				
				<b>Loaded</b>	<b>217.60</b>
				<b>Empty</b>	<b>9.91</b>
				<b>Total</b>	<b>227.51</b>

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 141 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+47	5W00			8.00	8.00
Liverpool St	05+08	05.20	2W00			20.16	28.16
Shenfield	06.03	06.14	2W11			20.16	48.32
Liverpool St	06.57	07.10	2W18			20.16	68.48
Shenfield	07.53	08.04	2W37			20.16	88.64
Liverpool St	08.47	09.00	2W40			20.16	108.80
Shenfield	09.43	09.54	2W59			20.16	128.96
Liverpool St	10.37	10.50	2W62			20.16	149.12
Shenfield	11.33	11.44	2W81			20.16	169.28
Liverpool St	12.27	12.40	2W84			20.16	189.44
Shenfield	13.23	13.34	2W03			20.16	209.60
Liverpool St	14.17	14.30	2W06			20.16	229.76
Shenfield	15.13	15.24	2W25			20.16	249.92
Liverpool St	16.07	16.20	2W28			20.16	270.08
Shenfield	17.03	17.14	2W47			20.16	290.24
Liverpool St	17.57	18.10	2W52			20.16	310.40
Shenfield	18.53	19.04	2W69			20.16	330.56
Liverpool St	19.47	20.00	2W80			20.16	350.72
Shenfield	20.43	20.59	2W91			20.16	370.88
Liverpool St	21.42	22.05	2W04			20.16	391.04
Shenfield	22.48	22.56	2W11			20.16	411.20
Liverpool St	23.39	00.01	2C28			13.53	424.73
Gidea Park	00.31	00+33	5C28			0.53	425.26
Gidea Pk CS	00+35						
						Loaded	416.73
						Empty	8.53
						Total	425.26

IF 142 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		05+46	5W02			0.56	0.56
Seven Kings	05+52	05.53	2W02			11.64	12.20
Shenfield	06.18	06.34	2W15			20.16	32.36
Liverpool St	07.17	07.30	2W22			20.16	52.52
Shenfield	08.13	08.24	2W41			20.16	72.68
Liverpool St	09.07	09.20	2W44			20.16	92.84
Shenfield	10.03	10.14	2W63			20.16	113.00
Liverpool St	10.57	11.10	2W66			20.16	133.16
Shenfield	11.53	12.04	2W85			20.16	153.32
Liverpool St	12.47	13.00	2W88			20.16	173.48
Shenfield	13.43	13.54	2W07			20.16	193.64
Liverpool St	14.37	14.50	2W10			20.16	213.80
Shenfield	15.33	15.44	2W29			20.16	233.96
Liverpool St	16.27	16.40	2W32			20.16	254.12
Shenfield	17.23	17.34	2W51			20.16	274.28
Liverpool St	18.17	18.30	2W56			20.16	294.44
Shenfield	19.13	19.24	2W73			20.16	314.60
Liverpool St	20.07	20.20	2W84			20.16	334.76
Shenfield	21.03	21.14	2W95			20.16	354.92
Liverpool St	21.57	22.20	2W08			20.16	375.08
Shenfield	23.03	23.11	2W13			20.16	395.24
Liverpool St	23.54	00.20	2W22			20.16	415.40
Shenfield	01.03	01+10	5C87			6.69	422.09
Gidea Park	01+19	01+27	5C87			0.53	422.62
Gidea Pk CS	01+29						
						Loaded	414.84
						Empty	7.78
						Total	422.62

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 144 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07+23	5Z51			8.00	8.00
Liverpool St	07+49	07+57	5Z52			20.50	28.50
Shenfield CS	08+40	09+08	5Z53			20.50	49.00
Liverpool St	09+49	09+57	5Z54			14.06	63.06
Gidea Pk Mid Sdg	10+25	11+21	5Z55			14.06	77.12
Liverpool St	11+49	11+57	5Z56			20.50	97.62
Shenfield CS	12+40	13+08	5Z57			20.50	118.12
Liverpool St	13+49	13+57	5Z58			20.50	138.62
Shenfield CS	14+40	15+08	5Z59			20.50	159.12
Liverpool St	15+49	15+57	5Z60			20.50	179.62
Shenfield CS	16+40	17+08	5Z61			20.50	200.12
Liverpool St	17+49	17+57	5Z62			14.06	214.18
Gidea Pk Mid Sdg	18+25	19+21	5Z63			14.06	228.24
Liverpool St	19+49	19+57	5Z64			20.50	248.74
Shenfield CS	20+40	21+08	5Z65			20.50	269.24
Liverpool St	21+49	21+57	5Z66			8.00	277.24
Ilford EMUD	22+19						
						Loaded	0.00
						Empty	277.24
						Total	277.24

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IF 145 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08+23	5Z71			8.00	8.00
Liverpool St	08+49	08+57	5Z72			20.50	28.50
Shenfield CS	09+40	10+08	5Z73			20.50	49.00
Liverpool St	10+49	10+57	5Z74			14.06	63.06
Gidea Pk Mid Sdg	11+25	12+21	5Z75			14.06	77.12
Liverpool St	12+49	12+57	5Z76			20.50	97.62
Shenfield CS	13+40	14+08	5Z77			20.50	118.12
Liverpool St	14+49	14+57	5Z78			20.50	138.62
Shenfield CS	15+40	16+08	5Z79			20.50	159.12
Liverpool St	16+49	16+57	5Z80			20.50	179.62
Shenfield CS	17+40	18+08	5Z81			20.50	200.12
Liverpool St	18+49	18+57	5Z82			14.06	214.18
Gidea Pk Mid Sdg	19+25	20+21	5Z83			14.06	228.24
Liverpool St	20+49	20+57	5Z84			14.06	242.30
Gidea Pk Mid Sdg	21+25	21+32	5Z85			5.93	248.23
Ilford EMUD	21+50						
						Loaded	0.00
						Empty	248.23
						Total	248.23

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 147 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+38	5W09			6.16	6.16
Shenfield	05+49	05.59	2W09			20.16	26.32
Liverpool St	06.42	07.00	2W16			20.16	46.48
Shenfield	07.43	07.54	2W35			20.16	66.64
Liverpool St	08.37	08.50	2W38			20.16	86.80
Shenfield	09.33	09.44	2W57			20.16	106.96
Liverpool St	10.27	10.40	2W60			20.16	127.12
Shenfield	11.23	11.34	2W79			20.16	147.28
Liverpool St	12.17	12.30	2W82			20.16	167.44
Shenfield	13.13	13.24	2W01			20.16	187.60
Liverpool St	14.07	14.20	2W04			20.16	207.76
Shenfield	15.03	15.14	2W23			20.16	227.92
Liverpool St	15.57	16.10	2W26			20.16	248.08
Shenfield	16.53	17.04	2W45			20.16	268.24
Liverpool St	17.47	18.00	2W50			20.16	288.40
Shenfield	18.43	18.54	2W67			20.16	308.56
Liverpool St	19.37	19.50	2W78			20.16	328.72
Shenfield	20.33	20.44	2W89			20.16	348.88
Liverpool St	21.27	21.50	2W02			20.16	369.04
Shenfield	22.33	22.41	2W09			20.16	389.20
Liverpool St	23.24	23.47	2W20			20.16	409.36
Shenfield	00.26	00+40	5V81			12.03	421.39
Ilford EMUD	01+05						
						Loaded	403.20
						Empty	18.19
						Total	421.39

IF 148 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+00	5W13			6.16	6.16
Shenfield	06+11	06.24	2W13			20.16	26.32
Liverpool St	07.07	07.20	2W20			20.16	46.48
Shenfield	08.03	08.14	2W39			20.16	66.64
Liverpool St	08.57	09.10	2W42			20.16	86.80
Shenfield	09.53	10.04	2W61			20.16	106.96
Liverpool St	10.47	11.00	2W64			20.16	127.12
Shenfield	11.43	11.54	2W83			20.16	147.28
Liverpool St	12.37	12.50	2W86			20.16	167.44
Shenfield	13.33	13.44	2W05			20.16	187.60
Liverpool St	14.27	14.40	2W08			20.16	207.76
Shenfield	15.23	15.34	2W27			20.16	227.92
Liverpool St	16.17	16.30	2W30			20.16	248.08
Shenfield	17.13	17.24	2W49			20.16	268.24
Liverpool St	18.07	18.20	2W54			20.16	288.40
Shenfield	19.03	19.14	2W71			20.16	308.56
Liverpool St	19.57	20.10	2W82			20.16	328.72
Shenfield	20.53	21+04	5V75			12.03	340.75
Ilford EMUD	21+34						
						Loaded	322.56
						Empty	18.19
						Total	340.75

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 149 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+52	5W23			6.16	6.16
Shenfield	07+03	07.14	2W23			20.16	26.32
Liverpool St	07.57	08.10	2W30			20.16	46.48
Shenfield	08.53	09.04	2W49			20.16	66.64
Liverpool St	09.47	10.00	2W52			20.16	86.80
Shenfield	10.43	10.54	2W71			20.16	106.96
Liverpool St	11.37	11.50	2W74			20.16	127.12
Shenfield	12.33	12.44	2W93			20.16	147.28
Liverpool St	13.27	13.40	2W96			20.16	167.44
Shenfield	14.23	14.34	2W15			20.16	187.60
Liverpool St	15.17	15.30	2W18			20.16	207.76
Shenfield	16.13	16.24	2W37			20.16	227.92
Liverpool St	17.07	17.20	2W40			20.16	248.08
Shenfield	18.03	18.14	2W59			20.16	268.24
Liverpool St	18.57	19.10	2W68			20.16	288.40
Shenfield	19.53	20.04	2W81			20.16	308.56
Liverpool St	20.47	21.00	2W92			20.16	328.72
Shenfield	21.43	21.59	2W03			20.16	348.88
Liverpool St	22.42	23.05	2W14			20.16	369.04
Shenfield	23.48	00+04	5V77			12.03	381.07
Ilford EMUD	00+30						
						Loaded	362.88
						Empty	18.19
						Total	381.07

IF 153 Class 345

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		18+30	5C74			5.93	5.93
Gidea Pk CS	18+45						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 154 Class 345

Days SO  
From 17/02/2018  
To 19/05/2018

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

IF 162 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 163 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 164 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 165 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 166 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 167 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 168 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 169 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 170 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 171 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 172 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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



DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 173 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 174 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 175 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 176 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

IF 177 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 178 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+45	5W03		179 (1) \ 178 (2)	12.03	12.03
Shenfield	05+06	05.14	2W03		178 (1) \ 179 (2)	20.16	32.19
Liverpool St	05.57	06.10	2W06		179 (1) \ 178 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		178 (1) \ 179 (2)	20.16	72.51
Liverpool St	07.47	08.00	2W28		179 (1) \ 178 (2)	20.16	92.67
Shenfield	08.43	08.54	2W47		178 (1) \ 179 (2)	20.16	112.83
Liverpool St	09.37	09.50	2W50		179 (1) \ 178 (2)	20.16	132.99
Shenfield	10.33	10.44	2W69		178 (1) \ 179 (2)	20.16	153.15
Liverpool St	11.27	11.40	2W72		179 (1) \ 178 (2)	20.16	173.31
Shenfield	12.23	12.34	2W91		178 (1) \ 179 (2)	20.16	193.47
Liverpool St	13.17	13.30	2W94		179 (1) \ 178 (2)	20.16	213.63
Shenfield	14.13	14.24	2W13		178 (1) \ 179 (2)	20.16	233.79
Liverpool St	15.07	15.20	2W16		179 (1) \ 178 (2)	20.16	253.95
Shenfield	16.03	16.14	2W35		178 (1) \ 179 (2)	20.16	274.11
Liverpool St	16.57	17.10	2W38		179 (1) \ 178 (2)	20.16	294.27
Shenfield	17.53	18.04	2W57		178 (1) \ 179 (2)	20.16	314.43
Liverpool St	18.47	19.00	2W66		179 (1) \ 178 (2)	20.16	334.59
Shenfield	19.43	19.54	2W79		178 (1) \ 179 (2)	20.16	354.75
Liverpool St	20.37	20.50	2W90		179 (1) \ 178 (2)	20.16	374.91
Shenfield	21.33	21.44	2W01		178 (1) \ 179 (2)	20.16	395.07
Liverpool St	22.27	22.47	2W12		179 (1) \ 178 (2)	20.16	415.23
Shenfield	23.29	23.44	2W17		178 (1) \ 179 (2)	20.16	435.39
Liverpool St	00.28	00.55	2W32		179 (1) \ 178 (2)	20.16	455.55
Shenfield	01.38						
						Loaded	443.52
						Empty	12.03
						Total	455.55

IF 179 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		04+45	5W03		179 (1) \ 178 (2)	12.03	12.03
Shenfield	05+06	05.14	2W03		178 (1) \ 179 (2)	20.16	32.19
Liverpool St	05.57	06.10	2W06		179 (1) \ 178 (2)	20.16	52.35
Shenfield	06.53	07.04	2W21		178 (1) \ 179 (2)	20.16	72.51
Liverpool St	07.47	08.00	2W28		179 (1) \ 178 (2)	20.16	92.67
Shenfield	08.43	08.54	2W47		178 (1) \ 179 (2)	20.16	112.83
Liverpool St	09.37	09.50	2W50		179 (1) \ 178 (2)	20.16	132.99
Shenfield	10.33	10.44	2W69		178 (1) \ 179 (2)	20.16	153.15
Liverpool St	11.27	11.40	2W72		179 (1) \ 178 (2)	20.16	173.31
Shenfield	12.23	12.34	2W91		178 (1) \ 179 (2)	20.16	193.47
Liverpool St	13.17	13.30	2W94		179 (1) \ 178 (2)	20.16	213.63
Shenfield	14.13	14.24	2W13		178 (1) \ 179 (2)	20.16	233.79
Liverpool St	15.07	15.20	2W16		179 (1) \ 178 (2)	20.16	253.95
Shenfield	16.03	16.14	2W35		178 (1) \ 179 (2)	20.16	274.11
Liverpool St	16.57	17.10	2W38		179 (1) \ 178 (2)	20.16	294.27
Shenfield	17.53	18.04	2W57		178 (1) \ 179 (2)	20.16	314.43
Liverpool St	18.47	19.00	2W66		179 (1) \ 178 (2)	20.16	334.59
Shenfield	19.43	19.54	2W79		178 (1) \ 179 (2)	20.16	354.75
Liverpool St	20.37	20.50	2W90		179 (1) \ 178 (2)	20.16	374.91
Shenfield	21.33	21.44	2W01		178 (1) \ 179 (2)	20.16	395.07
Liverpool St	22.27	22.47	2W12		179 (1) \ 178 (2)	20.16	415.23
Shenfield	23.29	23.44	2W17		178 (1) \ 179 (2)	20.16	435.39
Liverpool St	00.28	00.55	2W32		179 (1) \ 178 (2)	20.16	455.55
Shenfield	01.38						
						Loaded	443.52
						Empty	12.03
						Total	455.55

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 180 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+20	5W19		181 (1) \180 (2)	12.03	12.03
Shenfield	06+41	06.54	2W19		180 (1) \181 (2)	20.16	32.19
Liverpool St	07.37	07.50	2W26		181 (1) \180 (2)	20.16	52.35
Shenfield	08.33	08.44	2W45		180 (1) \181 (2)	20.16	72.51
Liverpool St	09.27	09.40	2W48		181 (1) \180 (2)	20.16	92.67
Shenfield	10.23	10.34	2W67		180 (1) \181 (2)	20.16	112.83
Liverpool St	11.17	11.30	2W70		181 (1) \180 (2)	20.16	132.99
Shenfield	12.13	12.24	2W89		180 (1) \181 (2)	20.16	153.15
Liverpool St	13.07	13.20	2W92		181 (1) \180 (2)	20.16	173.31
Shenfield	14.03	14.14	2W11		180 (1) \181 (2)	20.16	193.47
Liverpool St	14.57	15.10	2W14		181 (1) \180 (2)	20.16	213.63
Shenfield	15.53	16.04	2W33		180 (1) \181 (2)	20.16	233.79
Liverpool St	16.47	17.00	2W36		181 (1) \180 (2)	20.16	253.95
Shenfield	17.43	17.54	2W55		180 (1) \181 (2)	20.16	274.11
Liverpool St	18.37	18.50	2W62		181 (1) \180 (2)	20.16	294.27
Shenfield	19.33	19.44	2W77		180 (1) \181 (2)	20.16	314.43
Liverpool St	20.27	20.40	2W88		181 (1) \180 (2)	20.16	334.59
Shenfield	21.23	21+24	5W88		181 (1) \180 (2)	0.30	334.89
Shenfield CS	21+26						
						Loaded	322.56
						Empty	12.33
						Total	334.89

IF 181 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		06+20	5W19		181 (1) \180 (2)	12.03	12.03
Shenfield	06+41	06.54	2W19		180 (1) \181 (2)	20.16	32.19
Liverpool St	07.37	07.50	2W26		181 (1) \180 (2)	20.16	52.35
Shenfield	08.33	08.44	2W45		180 (1) \181 (2)	20.16	72.51
Liverpool St	09.27	09.40	2W48		181 (1) \180 (2)	20.16	92.67
Shenfield	10.23	10.34	2W67		180 (1) \181 (2)	20.16	112.83
Liverpool St	11.17	11.30	2W70		181 (1) \180 (2)	20.16	132.99
Shenfield	12.13	12.24	2W89		180 (1) \181 (2)	20.16	153.15
Liverpool St	13.07	13.20	2W92		181 (1) \180 (2)	20.16	173.31
Shenfield	14.03	14.14	2W11		180 (1) \181 (2)	20.16	193.47
Liverpool St	14.57	15.10	2W14		181 (1) \180 (2)	20.16	213.63
Shenfield	15.53	16.04	2W33		180 (1) \181 (2)	20.16	233.79
Liverpool St	16.47	17.00	2W36		181 (1) \180 (2)	20.16	253.95
Shenfield	17.43	17.54	2W55		180 (1) \181 (2)	20.16	274.11
Liverpool St	18.37	18.50	2W62		181 (1) \180 (2)	20.16	294.27
Shenfield	19.33	19.44	2W77		180 (1) \181 (2)	20.16	314.43
Liverpool St	20.27	20.40	2W88		181 (1) \180 (2)	20.16	334.59
Shenfield	21.23	21+24	5W88		181 (1) \180 (2)	0.30	334.89
Shenfield CS	21+26						
						Loaded	322.56
						Empty	12.33
						Total	334.89

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 182 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+23	5W07		183(1)\182(2)	6.16	6.16
Shenfield	05+34	05.44	2W07		182(1)\183(2)	20.16	26.32
Liverpool St	06.27	06.45	2W12		183(1)\182(2)	20.16	46.48
Shenfield	07.28	07.44	2W29		182(1)\183(2)	20.16	66.64
Liverpool St	08.27	08.40	2W36		183(1)\182(2)	20.16	86.80
Shenfield	09.23	09.34	2W55		182(1)\183(2)	20.16	106.96
Liverpool St	10.17	10.30	2W58		183(1)\182(2)	20.16	127.12
Shenfield	11.13	11.24	2W77		182(1)\183(2)	20.16	147.28
Liverpool St	12.07	12.20	2W80		183(1)\182(2)	20.16	167.44
Shenfield	13.03	13.14	2W99		182(1)\183(2)	20.16	187.60
Liverpool St	13.57	14.10	2W02		183(1)\182(2)	20.16	207.76
Shenfield	14.53	15.04	2W21		182(1)\183(2)	20.16	227.92
Liverpool St	15.47	16.00	2W24		183(1)\182(2)	20.16	248.08
Shenfield	16.43	16.54	2W43		182(1)\183(2)	20.16	268.24
Liverpool St	17.37	17.50	2W48		183(1)\182(2)	20.16	288.40
Shenfield	18.33	18.44	2W65		182(1)\183(2)	20.16	308.56
Liverpool St	19.27	19.40	2W76		183(1)\182(2)	20.16	328.72
Shenfield	20.23	20.34	2W87		182(1)\183(2)	20.16	348.88
Liverpool St	21.17	21.35	2W98		183(1)\182(2)	20.16	369.04
Shenfield	22.18	22.29	2W07		182(1)\183(2)	20.16	389.20
Liverpool St	23.12	23.35	2W18		183(1)\182(2)	20.16	409.36
Shenfield	00.18	00+30	5V79		182(1)\183(2)	12.03	421.39
Ilford EMUD	00+55						
						Loaded	403.20
						Empty	18.19
						Total	421.39

IF 183 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+23	5W07		183(1)\182(2)	6.16	6.16
Shenfield	05+34	05.44	2W07		182(1)\183(2)	20.16	26.32
Liverpool St	06.27	06.45	2W12		183(1)\182(2)	20.16	46.48
Shenfield	07.28	07.44	2W29		182(1)\183(2)	20.16	66.64
Liverpool St	08.27	08.40	2W36		183(1)\182(2)	20.16	86.80
Shenfield	09.23	09.34	2W55		182(1)\183(2)	20.16	106.96
Liverpool St	10.17	10.30	2W58		183(1)\182(2)	20.16	127.12
Shenfield	11.13	11.24	2W77		182(1)\183(2)	20.16	147.28
Liverpool St	12.07	12.20	2W80		183(1)\182(2)	20.16	167.44
Shenfield	13.03	13.14	2W99		182(1)\183(2)	20.16	187.60
Liverpool St	13.57	14.10	2W02		183(1)\182(2)	20.16	207.76
Shenfield	14.53	15.04	2W21		182(1)\183(2)	20.16	227.92
Liverpool St	15.47	16.00	2W24		183(1)\182(2)	20.16	248.08
Shenfield	16.43	16.54	2W43		182(1)\183(2)	20.16	268.24
Liverpool St	17.37	17.50	2W48		183(1)\182(2)	20.16	288.40
Shenfield	18.33	18.44	2W65		182(1)\183(2)	20.16	308.56
Liverpool St	19.27	19.40	2W76		183(1)\182(2)	20.16	328.72
Shenfield	20.23	20.34	2W87		182(1)\183(2)	20.16	348.88
Liverpool St	21.17	21.35	2W98		183(1)\182(2)	20.16	369.04
Shenfield	22.18	22.29	2W07		182(1)\183(2)	20.16	389.20
Liverpool St	23.12	23.35	2W18		183(1)\182(2)	20.16	409.36
Shenfield	00.18	00+30	5V79		182(1)\183(2)	12.03	421.39
Ilford EMUD	00+55						
						Loaded	403.20
						Empty	18.19
						Total	421.39

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 184 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+12	5W27		185 (1) \184 (2)	6.16	6.16
Shenfield	07+23	07.34	2W27		184 (1) \185 (2)	20.16	26.32
Liverpool St	08.17	08.30	2W34		185 (1) \184 (2)	20.16	46.48
Shenfield	09.13	09.24	2W53		184 (1) \185 (2)	20.16	66.64
Liverpool St	10.07	10.20	2W56		185 (1) \184 (2)	20.16	86.80
Shenfield	11.03	11.14	2W75		184 (1) \185 (2)	20.16	106.96
Liverpool St	11.57	12.10	2W78		185 (1) \184 (2)	20.16	127.12
Shenfield	12.53	13.04	2W97		184 (1) \185 (2)	20.16	147.28
Liverpool St	13.47	14.00	2W00		185 (1) \184 (2)	20.16	167.44
Shenfield	14.43	14.54	2W19		184 (1) \185 (2)	20.16	187.60
Liverpool St	15.37	15.50	2W22		185 (1) \184 (2)	20.16	207.76
Shenfield	16.33	16.44	2W41		184 (1) \185 (2)	20.16	227.92
Liverpool St	17.27	17.40	2W44		185 (1) \184 (2)	20.16	248.08
Shenfield	18.23	18.34	2W63		184 (1) \185 (2)	20.16	268.24
Liverpool St	19.17	19.30	2W74		185 (1) \184 (2)	20.16	288.40
Shenfield	20.13	20.24	2W85		184 (1) \185 (2)	20.16	308.56
Liverpool St	21.07	21.20	2W96		185 (1) \184 (2)	20.16	328.72
Shenfield	22.03	22.14	2W05		184 (1) \185 (2)	20.16	348.88
Liverpool St	22.57	23.17	2W16		185 (1) \184 (2)	20.16	369.04
Shenfield	23.56	00+07	5C85		184 (1) \185 (2)	6.16	375.20
Gidea Pk CS	00+17						
						Loaded	362.88
						Empty	12.32
						Total	375.20

IF 185 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+12	5W27		185 (1) \184 (2)	6.16	6.16
Shenfield	07+23	07.34	2W27		184 (1) \185 (2)	20.16	26.32
Liverpool St	08.17	08.30	2W34		185 (1) \184 (2)	20.16	46.48
Shenfield	09.13	09.24	2W53		184 (1) \185 (2)	20.16	66.64
Liverpool St	10.07	10.20	2W56		185 (1) \184 (2)	20.16	86.80
Shenfield	11.03	11.14	2W75		184 (1) \185 (2)	20.16	106.96
Liverpool St	11.57	12.10	2W78		185 (1) \184 (2)	20.16	127.12
Shenfield	12.53	13.04	2W97		184 (1) \185 (2)	20.16	147.28
Liverpool St	13.47	14.00	2W00		185 (1) \184 (2)	20.16	167.44
Shenfield	14.43	14.54	2W19		184 (1) \185 (2)	20.16	187.60
Liverpool St	15.37	15.50	2W22		185 (1) \184 (2)	20.16	207.76
Shenfield	16.33	16.44	2W41		184 (1) \185 (2)	20.16	227.92
Liverpool St	17.27	17.40	2W44		185 (1) \184 (2)	20.16	248.08
Shenfield	18.23	18.34	2W63		184 (1) \185 (2)	20.16	268.24
Liverpool St	19.17	19.30	2W74		185 (1) \184 (2)	20.16	288.40
Shenfield	20.13	20.24	2W85		184 (1) \185 (2)	20.16	308.56
Liverpool St	21.07	21.20	2W96		185 (1) \184 (2)	20.16	328.72
Shenfield	22.03	22.14	2W05		184 (1) \185 (2)	20.16	348.88
Liverpool St	22.57	23.17	2W16		185 (1) \184 (2)	20.16	369.04
Shenfield	23.56	00+07	5C85		184 (1) \185 (2)	6.16	375.20
Gidea Pk CS	00+17						
						Loaded	362.88
						Empty	12.32
						Total	375.20

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 186 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		186(1)\187(2)	20.16	20.16
Liverpool St	05.27	05.50	2W04		187(1)\186(2)	20.16	40.32
Shenfield	06.33	06.44	2W17		186(1)\187(2)	20.16	60.48
Liverpool St	07.27	07.40	2W24		187(1)\186(2)	20.16	80.64
Shenfield	08.23	08.34	2W43		186(1)\187(2)	20.16	100.80
Liverpool St	09.17	09.30	2W46		187(1)\186(2)	20.16	120.96
Shenfield	10.13	10.24	2W65		186(1)\187(2)	20.16	141.12
Liverpool St	11.07	11.20	2W68		187(1)\186(2)	20.16	161.28
Shenfield	12.03	12.14	2W87		186(1)\187(2)	20.16	181.44
Liverpool St	12.57	13.10	2W90		187(1)\186(2)	20.16	201.60
Shenfield	13.53	14.04	2W09		186(1)\187(2)	20.16	221.76
Liverpool St	14.47	15.00	2W12		187(1)\186(2)	20.16	241.92
Shenfield	15.43	15.54	2W31		186(1)\187(2)	20.16	262.08
Liverpool St	16.37	16.50	2W34		187(1)\186(2)	20.16	282.24
Shenfield	17.33	17.44	2W53		186(1)\187(2)	20.16	302.40
Liverpool St	18.27	18.40	2W60		187(1)\186(2)	20.16	322.56
Shenfield	19.23	19.34	2W75		186(1)\187(2)	20.16	342.72
Liverpool St	20.17	20.30	2W86		187(1)\186(2)	20.16	362.88
Shenfield	21.13	21.29	2W97		186(1)\187(2)	20.16	383.04
Liverpool St	22.12	22.35	2W10		187(1)\186(2)	20.16	403.20
Shenfield	23.18	23.26	2W15		186(1)\187(2)	20.16	423.36
Liverpool St	00.09	00.35	2C30		187(1)\186(2)	13.53	436.89
Gidea Park	01.05	01+06	5C30		187(1)\186(2)	0.53	437.42
Gidea Pk CS	01+08						
						Loaded	436.89
						Empty	0.53
						Total	437.42

IF 187 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		04.44	2W01		186(1)\187(2)	20.16	20.16
Liverpool St	05.27	05.50	2W04		187(1)\186(2)	20.16	40.32
Shenfield	06.33	06.44	2W17		186(1)\187(2)	20.16	60.48
Liverpool St	07.27	07.40	2W24		187(1)\186(2)	20.16	80.64
Shenfield	08.23	08.34	2W43		186(1)\187(2)	20.16	100.80
Liverpool St	09.17	09.30	2W46		187(1)\186(2)	20.16	120.96
Shenfield	10.13	10.24	2W65		186(1)\187(2)	20.16	141.12
Liverpool St	11.07	11.20	2W68		187(1)\186(2)	20.16	161.28
Shenfield	12.03	12.14	2W87		186(1)\187(2)	20.16	181.44
Liverpool St	12.57	13.10	2W90		187(1)\186(2)	20.16	201.60
Shenfield	13.53	14.04	2W09		186(1)\187(2)	20.16	221.76
Liverpool St	14.47	15.00	2W12		187(1)\186(2)	20.16	241.92
Shenfield	15.43	15.54	2W31		186(1)\187(2)	20.16	262.08
Liverpool St	16.37	16.50	2W34		187(1)\186(2)	20.16	282.24
Shenfield	17.33	17.44	2W53		186(1)\187(2)	20.16	302.40
Liverpool St	18.27	18.40	2W60		187(1)\186(2)	20.16	322.56
Shenfield	19.23	19.34	2W75		186(1)\187(2)	20.16	342.72
Liverpool St	20.17	20.30	2W86		187(1)\186(2)	20.16	362.88
Shenfield	21.13	21.29	2W97		186(1)\187(2)	20.16	383.04
Liverpool St	22.12	22.35	2W10		187(1)\186(2)	20.16	403.20
Shenfield	23.18	23.26	2W15		186(1)\187(2)	20.16	423.36
Liverpool St	00.09	00.35	2C30		187(1)\186(2)	13.53	436.89
Gidea Park	01.05	01+06	5C30		187(1)\186(2)	0.53	437.42
Gidea Pk CS	01+08						
						Loaded	436.89
						Empty	0.53
						Total	437.42

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 188 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		188 (1) \189 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		188 (1) \189 (2)	20.16	20.46
Liverpool St	06.13	06.30	2W10		189 (1) \188 (2)	20.16	40.62
Shenfield	07.13	07.24	2W25		188 (1) \189 (2)	20.16	60.78
Liverpool St	08.07	08.20	2W32		189 (1) \188 (2)	20.16	80.94
Shenfield	09.03	09.14	2W51		188 (1) \189 (2)	20.16	101.10
Liverpool St	09.57	10.10	2W54		189 (1) \188 (2)	20.16	121.26
Shenfield	10.53	11.04	2W73		188 (1) \189 (2)	20.16	141.42
Liverpool St	11.47	12.00	2W76		189 (1) \188 (2)	20.16	161.58
Shenfield	12.43	12.54	2W95		188 (1) \189 (2)	20.16	181.74
Liverpool St	13.37	13.50	2W98		189 (1) \188 (2)	20.16	201.90
Shenfield	14.33	14.44	2W17		188 (1) \189 (2)	20.16	222.06
Liverpool St	15.27	15.40	2W20		189 (1) \188 (2)	20.16	242.22
Shenfield	16.23	16.34	2W39		188 (1) \189 (2)	20.16	262.38
Liverpool St	17.17	17.30	2W42		189 (1) \188 (2)	20.16	282.54
Shenfield	18.13	18.24	2W61		188 (1) \189 (2)	20.16	302.70
Liverpool St	19.07	19.20	2W72		189 (1) \188 (2)	20.16	322.86
Shenfield	20.03	20.14	2W83		188 (1) \189 (2)	20.16	343.02
Liverpool St	20.57	21.10	2W94		189 (1) \188 (2)	20.16	363.18
Shenfield	21.53	22+04	5C81		188 (1) \189 (2)	12.03	375.21
Ilford EMUD	22+34						
						Loaded	362.88
						Empty	12.33
						Total	375.21

IF 189 Class 315/0

Days SO  
From 10/02/2018  
To 19/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		05+26	5W05		188 (1) \189 (2)	0.30	0.30
Shenfield	05+28	05.29	2W05		188 (1) \189 (2)	20.16	20.46
Liverpool St	06.13	06.30	2W10		189 (1) \188 (2)	20.16	40.62
Shenfield	07.13	07.24	2W25		188 (1) \189 (2)	20.16	60.78
Liverpool St	08.07	08.20	2W32		189 (1) \188 (2)	20.16	80.94
Shenfield	09.03	09.14	2W51		188 (1) \189 (2)	20.16	101.10
Liverpool St	09.57	10.10	2W54		189 (1) \188 (2)	20.16	121.26
Shenfield	10.53	11.04	2W73		188 (1) \189 (2)	20.16	141.42
Liverpool St	11.47	12.00	2W76		189 (1) \188 (2)	20.16	161.58
Shenfield	12.43	12.54	2W95		188 (1) \189 (2)	20.16	181.74
Liverpool St	13.37	13.50	2W98		189 (1) \188 (2)	20.16	201.90
Shenfield	14.33	14.44	2W17		188 (1) \189 (2)	20.16	222.06
Liverpool St	15.27	15.40	2W20		189 (1) \188 (2)	20.16	242.22
Shenfield	16.23	16.34	2W39		188 (1) \189 (2)	20.16	262.38
Liverpool St	17.17	17.30	2W42		189 (1) \188 (2)	20.16	282.54
Shenfield	18.13	18.24	2W61		188 (1) \189 (2)	20.16	302.70
Liverpool St	19.07	19.20	2W72		189 (1) \188 (2)	20.16	322.86
Shenfield	20.03	20.14	2W83		188 (1) \189 (2)	20.16	343.02
Liverpool St	20.57	21.10	2W94		189 (1) \188 (2)	20.16	363.18
Shenfield	21.53	22+04	5C81		188 (1) \189 (2)	12.03	375.21
Ilford EMUD	22+34						
						Loaded	362.88
						Empty	12.33
						Total	375.21

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IL 600 Class 317/8

Days SO  
From 16/12/2017  
To 19/05/2018

Extract from Arriva Rail London diagrams

	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



DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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Romford

22.03

Loaded	217.60
Empty	5.30
Total	222.90

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DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 140 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.15	3C11			5.93	5.93
Gidea Pk Mid Sdg	07.29	07+38	5C11			0.53	6.46
Gidea Park	07+40	07.41	2C11			13.53	19.99
Liverpool St	08.11	08.35	2W10			20.16	40.15
Shenfield	09.18	09.43	2W29			20.16	60.31
Liverpool St	10.26	10.47	2C28			13.53	73.84
Gidea Park	11.16	11+17	5C28			0.53	74.37
Gidea Pk Mid Sdg	11+19	11+38	5C43			0.53	74.90
Gidea Park	11+40	11.41	2C43			13.53	88.43
Liverpool St	12.11	12.35	2W42			20.16	108.59
Shenfield	13.18	13.43	2W61			20.16	128.75
Liverpool St	14.26	14.47	2C60			13.53	142.28
Gidea Park	15.16	15+17	5C60			0.53	142.81
Gidea Pk Mid Sdg	15+19	15+38	5C75			0.53	143.34
Gidea Park	15+40	15.41	2C75			13.53	156.87
Liverpool St	16.11	16.35	2W74			20.16	177.03
Shenfield	17.18	17.43	2W93			20.16	197.19
Liverpool St	18.26	18.47	2C92			13.53	210.72
Gidea Park	19.16	19+17	5C92			0.53	211.25
Gidea Pk Mid Sdg	19+19	19+38	5C07			0.53	211.78
Gidea Park	19+40	19.41	2C07			13.53	225.31
Liverpool St	20.11	20.35	2W06			20.16	245.47
Shenfield	21.18	21.43	2W23			20.16	265.63
Liverpool St	22.26	22.35	2W22			20.16	285.79
Shenfield	23.18	23.43	2W31			20.16	305.95
Liverpool St	00.26	00.35	2C30			13.53	319.48
Gidea Park	01.05	01+06	5C30			0.53	320.01
Gidea Pk CS	01+08						
						Loaded	315.77
						Empty	4.24
						Total	320.01

IF 143 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		10+13	5C72			5.93	5.93
Gidea Pk CS	10+27						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 144 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 145 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 146 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		05+52	5C01			0.53	0.53
Gidea Park	05+54	05.55	2C01			13.53	14.06
Liverpool St	06.26	06.35	2W00			20.16	34.22
Shenfield	07.18	07.43	2W13			20.16	54.38
Liverpool St	08.26	08.47	2C12			13.53	67.91
Gidea Park	09.16	09+17	5C12			0.53	68.44
Gidea Pk Mid Sdg	09+19	09+38	5C27			0.53	68.97
Gidea Park	09+40	09.41	2C27			13.53	82.50
Liverpool St	10.11	10.35	2W26			20.16	102.66
Shenfield	11.18	11.43	2W45			20.16	122.82
Liverpool St	12.26	12.47	2C44			13.53	136.35
Gidea Park	13.16	13+17	5C44			0.53	136.88
Gidea Pk Mid Sdg	13+19	13+38	5C59			0.53	137.41
Gidea Park	13+40	13.41	2C59			13.53	150.94
Liverpool St	14.11	14.35	2W58			20.16	171.10
Shenfield	15.18	15.43	2W77			20.16	191.26
Liverpool St	16.26	16.47	2C76			13.53	204.79
Gidea Park	17.16	17+17	5C76			0.53	205.32
Gidea Pk Mid Sdg	17+19	17+38	5C91			0.53	205.85
Gidea Park	17+40	17.41	2C91			13.53	219.38
Liverpool St	18.11	18.35	2W90			20.16	239.54
Shenfield	19.18	19.43	2W09			20.16	259.70
Liverpool St	20.26	20.47	2C08			13.53	273.23
Gidea Park	21.16	21+17	5C08			0.53	273.76
Gidea Pk Mid Sdg	21+19	21+28	5V71			5.93	279.69
Ilford EMUD	21+48						
						Loaded	269.52
						Empty	10.17
						Total	279.69

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 147 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		06+22	5C03			0.53	0.53
Gidea Park	06+24	06.25	2C03			13.53	14.06
Liverpool St	06.56	07.05	2W02			20.16	34.22
Shenfield	07.48	08.13	2W17			20.16	54.38
Liverpool St	08.56	09.17	2C16			13.53	67.91
Gidea Park	09.46	09+47	5C16			0.53	68.44
Gidea Pk Mid Sdg	09+49	10+08	5C31			0.53	68.97
Gidea Park	10+10	10.11	2C31			13.53	82.50
Liverpool St	10.41	11.05	2W30			20.16	102.66
Shenfield	11.48	12.13	2W49			20.16	122.82
Liverpool St	12.56	13.17	2C48			13.53	136.35
Gidea Park	13.46	13+47	5C48			0.53	136.88
Gidea Pk Mid Sdg	13+49	14+08	5C63			0.53	137.41
Gidea Park	14+10	14.11	2C63			13.53	150.94
Liverpool St	14.41	15.05	2W62			20.16	171.10
Shenfield	15.48	16.13	2W81			20.16	191.26
Liverpool St	16.56	17.17	2C80			13.53	204.79
Gidea Park	17.46	17+47	5C80			0.53	205.32
Gidea Pk Mid Sdg	17+49	18+08	5C95			0.53	205.85
Gidea Park	18+10	18.11	2C95			13.53	219.38
Liverpool St	18.41	19.05	2W94			20.16	239.54
Shenfield	19.48	20.13	2W13			20.16	259.70
Liverpool St	20.56	21.17	2C12			13.53	273.23
Gidea Park	21.46	21+47	5C12			0.53	273.76
Gidea Pk Mid Sdg	21+49	21+56	5V73			5.93	279.69
Ilford EMUD	22+18						
						Loaded	269.52
						Empty	10.17
						Total	279.69

IF 150 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 153 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 154 Class 345

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 162 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 163 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 164 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 165 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 166 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		13+13	5W02		167(1)\166(2)	12.33	12.33
Shenfield CS	13+36						
						Loaded	0.00
						Empty	12.33
						Total	12.33

IF 167 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		13+13	5W02		167(1)\166(2)	12.33	12.33
Shenfield CS	13+36						
						Loaded	0.00
						Empty	12.33
						Total	12.33

IF 168 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 169 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 170 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 171 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 172 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 173 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 174 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS		12+18	5V75		174 (1) \175 (2)		12.33	12.33
Ilford EMUD	12+48							
							Loaded	0.00
							Empty	12.33
							Total	12.33

IF 175 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled		Leg	Mileage
Shenfield CS		12+18	5V75		174 (1) \175 (2)		12.33	12.33
Ilford EMUD	12+48							
							Loaded	0.00
							Empty	12.33
							Total	12.33

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 176 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 177 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

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

IF 178 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.45	3C15		179 (1) \ 178 (2)	5.93	5.93
Gidea Pk Mid Sdg	07.59	08+08	5C15		178 (1) \ 179 (2)	0.53	6.46
Gidea Park	08+10	08.11	2C15		178 (1) \ 179 (2)	13.53	19.99
Liverpool St	08.41	09.05	2W14		179 (1) \ 178 (2)	20.16	40.15
Shenfield	09.48	10.13	2W33		178 (1) \ 179 (2)	20.16	60.31
Liverpool St	10.56	11.17	2C32		179 (1) \ 178 (2)	13.53	73.84
Gidea Park	11.46	11+47	5C32		179 (1) \ 178 (2)	0.53	74.37
Gidea Pk Mid Sdg	11+49	12+08	5C47		178 (1) \ 179 (2)	0.53	74.90
Gidea Park	12+10	12.11	2C47		178 (1) \ 179 (2)	13.53	88.43
Liverpool St	12.41	13.05	2W46		179 (1) \ 178 (2)	20.16	108.59
Shenfield	13.48	14.13	2W65		178 (1) \ 179 (2)	20.16	128.75
Liverpool St	14.56	15.17	2C64		179 (1) \ 178 (2)	13.53	142.28
Gidea Park	15.46	15+47	5C64		179 (1) \ 178 (2)	0.53	142.81
Gidea Pk Mid Sdg	15+49	16+08	5C79		178 (1) \ 179 (2)	0.53	143.34
Gidea Park	16+10	16.11	2C79		178 (1) \ 179 (2)	13.53	156.87
Liverpool St	16.41	17.05	2W78		179 (1) \ 178 (2)	20.16	177.03
Shenfield	17.48	18.13	2W97		178 (1) \ 179 (2)	20.16	197.19
Liverpool St	18.56	19.17	2C96		179 (1) \ 178 (2)	13.53	210.72
Gidea Park	19.46	19+47	5C96		179 (1) \ 178 (2)	0.53	211.25
Gidea Pk Mid Sdg	19+49	20+08	5C11		178 (1) \ 179 (2)	0.53	211.78
Gidea Park	20+10	20.11	2C11		178 (1) \ 179 (2)	13.53	225.31
Liverpool St	20.41	21.05	2W10		179 (1) \ 178 (2)	20.16	245.47
Shenfield	21.48	22.13	2W25		178 (1) \ 179 (2)	20.16	265.63
Liverpool St	22.56	23.05	2W24		179 (1) \ 178 (2)	20.16	285.79
Shenfield	23.48	23+55	5W32		178 (1) \ 179 (2)	20.16	305.95
Liverpool St	00+28	00.55	2W32		179 (1) \ 178 (2)	20.16	326.11
Shenfield	01.38						
						Loaded	302.24
						Empty	23.87
						Total	326.11



DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
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IF 179 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		07.45	3C15		179(1)\178(2)	5.93	5.93
Gidea Pk Mid Sdg	07.59	08+08	5C15		178(1)\179(2)	0.53	6.46
Gidea Park	08+10	08.11	2C15		178(1)\179(2)	13.53	19.99
Liverpool St	08.41	09.05	2W14		179(1)\178(2)	20.16	40.15
Shenfield	09.48	10.13	2W33		178(1)\179(2)	20.16	60.31
Liverpool St	10.56	11.17	2C32		179(1)\178(2)	13.53	73.84
Gidea Park	11.46	11+47	5C32		179(1)\178(2)	0.53	74.37
Gidea Pk Mid Sdg	11+49	12+08	5C47		178(1)\179(2)	0.53	74.90
Gidea Park	12+10	12.11	2C47		178(1)\179(2)	13.53	88.43
Liverpool St	12.41	13.05	2W46		179(1)\178(2)	20.16	108.59
Shenfield	13.48	14.13	2W65		178(1)\179(2)	20.16	128.75
Liverpool St	14.56	15.17	2C64		179(1)\178(2)	13.53	142.28
Gidea Park	15.46	15+47	5C64		179(1)\178(2)	0.53	142.81
Gidea Pk Mid Sdg	15+49	16+08	5C79		178(1)\179(2)	0.53	143.34
Gidea Park	16+10	16.11	2C79		178(1)\179(2)	13.53	156.87
Liverpool St	16.41	17.05	2W78		179(1)\178(2)	20.16	177.03
Shenfield	17.48	18.13	2W97		178(1)\179(2)	20.16	197.19
Liverpool St	18.56	19.17	2C96		179(1)\178(2)	13.53	210.72
Gidea Park	19.46	19+47	5C96		179(1)\178(2)	0.53	211.25
Gidea Pk Mid Sdg	19+49	20+08	5C11		178(1)\179(2)	0.53	211.78
Gidea Park	20+10	20.11	2C11		178(1)\179(2)	13.53	225.31
Liverpool St	20.41	21.05	2W10		179(1)\178(2)	20.16	245.47
Shenfield	21.48	22.13	2W25		178(1)\179(2)	20.16	265.63
Liverpool St	22.56	23.05	2W24		179(1)\178(2)	20.16	285.79
Shenfield	23.48	23+55	5W32		178(1)\179(2)	20.16	305.95
Liverpool St	00+28	00.55	2W32		179(1)\178(2)	20.16	326.11
Shenfield	01.38						
						<b>Loaded</b>	<b>302.24</b>
						<b>Empty</b>	<b>23.87</b>
						<b>Total</b>	<b>326.11</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 180 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08.15	3C19		181 (1) \180 (2)	5.93	5.93
Gidea Pk Mid Sdg	08.29	08+38	5C19		180 (1) \181 (2)	0.53	6.46
Gidea Park	08+40	08.41	2C19		180 (1) \181 (2)	13.53	19.99
Liverpool St	09.11	09.35	2W18		181 (1) \180 (2)	20.16	40.15
Shenfield	10.18	10.43	2W37		180 (1) \181 (2)	20.16	60.31
Liverpool St	11.26	11.47	2C36		181 (1) \180 (2)	13.53	73.84
Gidea Park	12.16	12+17	5C36		181 (1) \180 (2)	0.53	74.37
Gidea Pk Mid Sdg	12+19	12+38	5C51		180 (1) \181 (2)	0.53	74.90
Gidea Park	12+40	12.41	2C51		180 (1) \181 (2)	13.53	88.43
Liverpool St	13.11	13.35	2W50		181 (1) \180 (2)	20.16	108.59
Shenfield	14.18	14.43	2W69		180 (1) \181 (2)	20.16	128.75
Liverpool St	15.26	15.47	2C68		181 (1) \180 (2)	13.53	142.28
Gidea Park	16.16	16+17	5C68		181 (1) \180 (2)	0.53	142.81
Gidea Pk Mid Sdg	16+19	16+38	5C83		180 (1) \181 (2)	0.53	143.34
Gidea Park	16+40	16.41	2C83		180 (1) \181 (2)	13.53	156.87
Liverpool St	17.11	17.35	2W82		181 (1) \180 (2)	20.16	177.03
Shenfield	18.18	18.43	2W01		180 (1) \181 (2)	20.16	197.19
Liverpool St	19.26	19.47	2C00		181 (1) \180 (2)	13.53	210.72
Gidea Park	20.16	20+17	5C00		181 (1) \180 (2)	0.53	211.25
Gidea Pk Mid Sdg	20+19	20+38	5C15		180 (1) \181 (2)	0.53	211.78
Gidea Park	20+40	20.41	2C15		180 (1) \181 (2)	13.53	225.31
Liverpool St	21.11	21.35	2W14		181 (1) \180 (2)	20.16	245.47
Shenfield	22.18	22.43	2W27		180 (1) \181 (2)	20.16	265.63
Liverpool St	23.26	23.35	2W26		181 (1) \180 (2)	20.16	285.79
Shenfield	00.18	00+19	5W26		181 (1) \180 (2)	0.30	286.09
Shenfield CS	00+21						
						Loaded	282.08
						Empty	4.01
						Total	286.09

IF 181 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Ilford EMUD		08.15	3C19		181 (1) \180 (2)	5.93	5.93
Gidea Pk Mid Sdg	08.29	08+38	5C19		180 (1) \181 (2)	0.53	6.46
Gidea Park	08+40	08.41	2C19		180 (1) \181 (2)	13.53	19.99
Liverpool St	09.11	09.35	2W18		181 (1) \180 (2)	20.16	40.15
Shenfield	10.18	10.43	2W37		180 (1) \181 (2)	20.16	60.31
Liverpool St	11.26	11.47	2C36		181 (1) \180 (2)	13.53	73.84
Gidea Park	12.16	12+17	5C36		181 (1) \180 (2)	0.53	74.37
Gidea Pk Mid Sdg	12+19	12+38	5C51		180 (1) \181 (2)	0.53	74.90
Gidea Park	12+40	12.41	2C51		180 (1) \181 (2)	13.53	88.43
Liverpool St	13.11	13.35	2W50		181 (1) \180 (2)	20.16	108.59
Shenfield	14.18	14.43	2W69		180 (1) \181 (2)	20.16	128.75
Liverpool St	15.26	15.47	2C68		181 (1) \180 (2)	13.53	142.28
Gidea Park	16.16	16+17	5C68		181 (1) \180 (2)	0.53	142.81
Gidea Pk Mid Sdg	16+19	16+38	5C83		180 (1) \181 (2)	0.53	143.34
Gidea Park	16+40	16.41	2C83		180 (1) \181 (2)	13.53	156.87
Liverpool St	17.11	17.35	2W82		181 (1) \180 (2)	20.16	177.03
Shenfield	18.18	18.43	2W01		180 (1) \181 (2)	20.16	197.19
Liverpool St	19.26	19.47	2C00		181 (1) \180 (2)	13.53	210.72
Gidea Park	20.16	20+17	5C00		181 (1) \180 (2)	0.53	211.25
Gidea Pk Mid Sdg	20+19	20+38	5C15		180 (1) \181 (2)	0.53	211.78
Gidea Park	20+40	20.41	2C15		180 (1) \181 (2)	13.53	225.31
Liverpool St	21.11	21.35	2W14		181 (1) \180 (2)	20.16	245.47
Shenfield	22.18	22.43	2W27		180 (1) \181 (2)	20.16	265.63
Liverpool St	23.26	23.35	2W26		181 (1) \180 (2)	20.16	285.79
Shenfield	00.18	00+19	5W26		181 (1) \180 (2)	0.30	286.09
Shenfield CS	00+21						
						Loaded	282.08
						Empty	4.01
						Total	286.09

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 182 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+08	5C07		182 (1) \183 (2)	0.53	0.53
Gidea Park	07+10	07.11	2C07		182 (1) \183 (2)	13.53	14.06
Liverpool St	07.41	08.05	2W06		183 (1) \182 (2)	20.16	34.22
Shenfield	08.48	09.13	2W25		182 (1) \183 (2)	20.16	54.38
Liverpool St	09.56	10.17	2C24		183 (1) \182 (2)	13.53	67.91
Gidea Park	10.46	10+47	5C24		183 (1) \182 (2)	0.53	68.44
Gidea Pk Mid Sdg	10+49	11+08	5C39		182 (1) \183 (2)	0.53	68.97
Gidea Park	11+10	11.11	2C39		182 (1) \183 (2)	13.53	82.50
Liverpool St	11.41	12.05	2W38		183 (1) \182 (2)	20.16	102.66
Shenfield	12.48	13.13	2W57		182 (1) \183 (2)	20.16	122.82
Liverpool St	13.56	14.17	2C56		183 (1) \182 (2)	13.53	136.35
Gidea Park	14.46	14+47	5C56		183 (1) \182 (2)	0.53	136.88
Gidea Pk Mid Sdg	14+49	15+08	5C71		182 (1) \183 (2)	0.53	137.41
Gidea Park	15+10	15.11	2C71		182 (1) \183 (2)	13.53	150.94
Liverpool St	15.41	16.05	2W70		183 (1) \182 (2)	20.16	171.10
Shenfield	16.48	17.13	2W89		182 (1) \183 (2)	20.16	191.26
Liverpool St	17.56	18.17	2C88		183 (1) \182 (2)	13.53	204.79
Gidea Park	18.46	18+47	5C88		183 (1) \182 (2)	0.53	205.32
Gidea Pk Mid Sdg	18+49	19+08	5C03		182 (1) \183 (2)	0.53	205.85
Gidea Park	19+10	19.11	2C03		182 (1) \183 (2)	13.53	219.38
Liverpool St	19.41	20.05	2W02		183 (1) \182 (2)	20.16	239.54
Shenfield	20.48	21.13	2W21		182 (1) \183 (2)	20.16	259.70
Liverpool St	21.56	22.17	2C20		183 (1) \182 (2)	13.53	273.23
Gidea Park	22.46	22+47	5C20		183 (1) \182 (2)	0.53	273.76
Gidea Pk CS	22+49						
						Loaded	269.52
						Empty	4.24
						Total	273.76

IF 183 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		07+08	5C07		182 (1) \183 (2)	0.53	0.53
Gidea Park	07+10	07.11	2C07		182 (1) \183 (2)	13.53	14.06
Liverpool St	07.41	08.05	2W06		183 (1) \182 (2)	20.16	34.22
Shenfield	08.48	09.13	2W25		182 (1) \183 (2)	20.16	54.38
Liverpool St	09.56	10.17	2C24		183 (1) \182 (2)	13.53	67.91
Gidea Park	10.46	10+47	5C24		183 (1) \182 (2)	0.53	68.44
Gidea Pk Mid Sdg	10+49	11+08	5C39		182 (1) \183 (2)	0.53	68.97
Gidea Park	11+10	11.11	2C39		182 (1) \183 (2)	13.53	82.50
Liverpool St	11.41	12.05	2W38		183 (1) \182 (2)	20.16	102.66
Shenfield	12.48	13.13	2W57		182 (1) \183 (2)	20.16	122.82
Liverpool St	13.56	14.17	2C56		183 (1) \182 (2)	13.53	136.35
Gidea Park	14.46	14+47	5C56		183 (1) \182 (2)	0.53	136.88
Gidea Pk Mid Sdg	14+49	15+08	5C71		182 (1) \183 (2)	0.53	137.41
Gidea Park	15+10	15.11	2C71		182 (1) \183 (2)	13.53	150.94
Liverpool St	15.41	16.05	2W70		183 (1) \182 (2)	20.16	171.10
Shenfield	16.48	17.13	2W89		182 (1) \183 (2)	20.16	191.26
Liverpool St	17.56	18.17	2C88		183 (1) \182 (2)	13.53	204.79
Gidea Park	18.46	18+47	5C88		183 (1) \182 (2)	0.53	205.32
Gidea Pk Mid Sdg	18+49	19+08	5C03		182 (1) \183 (2)	0.53	205.85
Gidea Park	19+10	19.11	2C03		182 (1) \183 (2)	13.53	219.38
Liverpool St	19.41	20.05	2W02		183 (1) \182 (2)	20.16	239.54
Shenfield	20.48	21.13	2W21		182 (1) \183 (2)	20.16	259.70
Liverpool St	21.56	22.17	2C20		183 (1) \182 (2)	13.53	273.23
Gidea Park	22.46	22+47	5C20		183 (1) \182 (2)	0.53	273.76
Gidea Pk CS	22+49						
						Loaded	269.52
						Empty	4.24
						Total	273.76

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 184 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		08+56	5V71		184(1)\185(2)	5.93	5.93
Ilford EMUD	09+18						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 185 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Gidea Pk CS		08+56	5V71		184(1)\185(2)	5.93	5.93
Ilford EMUD	09+18						
						Loaded	0.00
						Empty	5.93
						Total	5.93

IF 186 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		06.43	2W05		186(1)\187(2)	20.16	20.16
Liverpool St	07.26	07.35	2W04		187(1)\186(2)	20.16	40.32
Shenfield	08.18	08.43	2W21		186(1)\187(2)	20.16	60.48
Liverpool St	09.26	09.47	2C20		187(1)\186(2)	13.53	74.01
Gidea Park	10.16	10+17	5C20		187(1)\186(2)	0.53	74.54
Gidea Pk Mid Sdg	10+19	10+38	5C35		186(1)\187(2)	0.53	75.07
Gidea Park	10+40	10.41	2C35		186(1)\187(2)	13.53	88.60
Liverpool St	11.11	11.35	2W34		187(1)\186(2)	20.16	108.76
Shenfield	12.18	12.43	2W53		186(1)\187(2)	20.16	128.92
Liverpool St	13.26	13.47	2C52		187(1)\186(2)	13.53	142.45
Gidea Park	14.16	14+17	5C52		187(1)\186(2)	0.53	142.98
Gidea Pk Mid Sdg	14+19	14+38	5C67		186(1)\187(2)	0.53	143.51
Gidea Park	14+40	14.41	2C67		186(1)\187(2)	13.53	157.04
Liverpool St	15.11	15.35	2W66		187(1)\186(2)	20.16	177.20
Shenfield	16.18	16.43	2W85		186(1)\187(2)	20.16	197.36
Liverpool St	17.26	17.47	2C84		187(1)\186(2)	13.53	210.89
Gidea Park	18.16	18+17	5C84		187(1)\186(2)	0.53	211.42
Gidea Pk Mid Sdg	18+19	18+38	5C99		186(1)\187(2)	0.53	211.95
Gidea Park	18+40	18.41	2C99		186(1)\187(2)	13.53	225.48
Liverpool St	19.11	19.35	2W98		187(1)\186(2)	20.16	245.64
Shenfield	20.18	20.43	2W17		186(1)\187(2)	20.16	265.80
Liverpool St	21.26	21.47	2C16		187(1)\186(2)	13.53	279.33
Gidea Park	22.16	22+17	5C16		187(1)\186(2)	0.53	279.86
Gidea Pk CS	22+19						
						Loaded	276.15
						Empty	3.71
						Total	279.86

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 187 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield		06.43	2W05		186(1)\187(2)	20.16	20.16
Liverpool St	07.26	07.35	2W04		187(1)\186(2)	20.16	40.32
Shenfield	08.18	08.43	2W21		186(1)\187(2)	20.16	60.48
Liverpool St	09.26	09.47	2C20		187(1)\186(2)	13.53	74.01
Gidea Park	10.16	10+17	5C20		187(1)\186(2)	0.53	74.54
Gidea Pk Mid Sdg	10+19	10+38	5C35		186(1)\187(2)	0.53	75.07
Gidea Park	10+40	10.41	2C35		186(1)\187(2)	13.53	88.60
Liverpool St	11.11	11.35	2W34		187(1)\186(2)	20.16	108.76
Shenfield	12.18	12.43	2W53		186(1)\187(2)	20.16	128.92
Liverpool St	13.26	13.47	2C52		187(1)\186(2)	13.53	142.45
Gidea Park	14.16	14+17	5C52		187(1)\186(2)	0.53	142.98
Gidea Pk Mid Sdg	14+19	14+38	5C67		186(1)\187(2)	0.53	143.51
Gidea Park	14+40	14.41	2C67		186(1)\187(2)	13.53	157.04
Liverpool St	15.11	15.35	2W66		187(1)\186(2)	20.16	177.20
Shenfield	16.18	16.43	2W85		186(1)\187(2)	20.16	197.36
Liverpool St	17.26	17.47	2C84		187(1)\186(2)	13.53	210.89
Gidea Park	18.16	18+17	5C84		187(1)\186(2)	0.53	211.42
Gidea Pk Mid Sdg	18+19	18+38	5C99		186(1)\187(2)	0.53	211.95
Gidea Park	18+40	18.41	2C99		186(1)\187(2)	13.53	225.48
Liverpool St	19.11	19.35	2W98		187(1)\186(2)	20.16	245.64
Shenfield	20.18	20.43	2W17		186(1)\187(2)	20.16	265.80
Liverpool St	21.26	21.47	2C16		187(1)\186(2)	13.53	279.33
Gidea Park	22.16	22+17	5C16		187(1)\186(2)	0.53	279.86
Gidea Pk CS	22+19						
						<b>Loaded</b>	<b>276.15</b>
						<b>Empty</b>	<b>3.71</b>
						<b>Total</b>	<b>279.86</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 188 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+10	5W09		188(1)\189(2)	0.30	0.30
Shenfield	07+12	07.13	2W09		188(1)\189(2)	20.16	20.46
Liverpool St	07.56	08.17	2C08		189(1)\188(2)	13.53	33.99
Gidea Park	08.46	08+47	5C08		189(1)\188(2)	0.53	34.52
Gidea Pk Mid Sdg	08+49	09+08	5C23		188(1)\189(2)	0.53	35.05
Gidea Park	09+10	09.11	2C23		188(1)\189(2)	13.53	48.58
Liverpool St	09.41	10.05	2W22		189(1)\188(2)	20.16	68.74
Shenfield	10.48	11.13	2W41		188(1)\189(2)	20.16	88.90
Liverpool St	11.56	12.17	2C40		189(1)\188(2)	13.53	102.43
Gidea Park	12.46	12+47	5C40		189(1)\188(2)	0.53	102.96
Gidea Pk Mid Sdg	12+49	13+08	5C55		188(1)\189(2)	0.53	103.49
Gidea Park	13+10	13.11	2C55		188(1)\189(2)	13.53	117.02
Liverpool St	13.41	14.05	2W54		189(1)\188(2)	20.16	137.18
Shenfield	14.48	15.13	2W73		188(1)\189(2)	20.16	157.34
Liverpool St	15.56	16.17	2C72		189(1)\188(2)	13.53	170.87
Gidea Park	16.46	16+47	5C72		189(1)\188(2)	0.53	171.40
Gidea Pk Mid Sdg	16+49	17+08	5C87		188(1)\189(2)	0.53	171.93
Gidea Park	17+10	17.11	2C87		188(1)\189(2)	13.53	185.46
Liverpool St	17.41	18.05	2W86		189(1)\188(2)	20.16	205.62
Shenfield	18.48	19.13	2W05		188(1)\189(2)	20.16	225.78
Liverpool St	19.56	20.17	2C04		189(1)\188(2)	13.53	239.31
Gidea Park	20.46	20+47	5C04		189(1)\188(2)	0.53	239.84
Gidea Pk Mid Sdg	20+49	21+08	5C19		188(1)\189(2)	0.53	240.37
Gidea Park	21+10	21.11	2C19		188(1)\189(2)	13.53	253.90
Liverpool St	21.41	22.05	2W18		189(1)\188(2)	20.16	274.06
Shenfield	22.48	23.13	2W29		188(1)\189(2)	20.16	294.22
Liverpool St	23.56	00.05	2C28		189(1)\188(2)	13.53	307.75
Gidea Park	00.35	00+36	5C28		189(1)\188(2)	0.53	308.28
Gidea Pk Mid Sdg	00+38	00+45	5V77		188(1)\189(2)	5.93	314.21
Ilford EMUD	01+04						
						<b>Loaded</b>	<b>303.21</b>
						<b>Empty</b>	<b>11.00</b>
						<b>Total</b>	<b>314.21</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IF 189 Class 315/0

Days Su  
From 11/02/2018  
To 13/05/2018

	Arrive	Depart	Code	Route	Coupled	Leg	Mileage
Shenfield CS		07+10	5W09		188(1)\189(2)	0.30	0.30
Shenfield	07+12	07.13	2W09		188(1)\189(2)	20.16	20.46
Liverpool St	07.56	08.17	2C08		189(1)\188(2)	13.53	33.99
Gidea Park	08.46	08+47	5C08		189(1)\188(2)	0.53	34.52
Gidea Pk Mid Sdg	08+49	09+08	5C23		188(1)\189(2)	0.53	35.05
Gidea Park	09+10	09.11	2C23		188(1)\189(2)	13.53	48.58
Liverpool St	09.41	10.05	2W22		189(1)\188(2)	20.16	68.74
Shenfield	10.48	11.13	2W41		188(1)\189(2)	20.16	88.90
Liverpool St	11.56	12.17	2C40		189(1)\188(2)	13.53	102.43
Gidea Park	12.46	12+47	5C40		189(1)\188(2)	0.53	102.96
Gidea Pk Mid Sdg	12+49	13+08	5C55		188(1)\189(2)	0.53	103.49
Gidea Park	13+10	13.11	2C55		188(1)\189(2)	13.53	117.02
Liverpool St	13.41	14.05	2W54		189(1)\188(2)	20.16	137.18
Shenfield	14.48	15.13	2W73		188(1)\189(2)	20.16	157.34
Liverpool St	15.56	16.17	2C72		189(1)\188(2)	13.53	170.87
Gidea Park	16.46	16+47	5C72		189(1)\188(2)	0.53	171.40
Gidea Pk Mid Sdg	16+49	17+08	5C87		188(1)\189(2)	0.53	171.93
Gidea Park	17+10	17.11	2C87		188(1)\189(2)	13.53	185.46
Liverpool St	17.41	18.05	2W86		189(1)\188(2)	20.16	205.62
Shenfield	18.48	19.13	2W05		188(1)\189(2)	20.16	225.78
Liverpool St	19.56	20.17	2C04		189(1)\188(2)	13.53	239.31
Gidea Park	20.46	20+47	5C04		189(1)\188(2)	0.53	239.84
Gidea Pk Mid Sdg	20+49	21+08	5C19		188(1)\189(2)	0.53	240.37
Gidea Park	21+10	21.11	2C19		188(1)\189(2)	13.53	253.90
Liverpool St	21.41	22.05	2W18		189(1)\188(2)	20.16	274.06
Shenfield	22.48	23.13	2W29		188(1)\189(2)	20.16	294.22
Liverpool St	23.56	00.05	2C28		189(1)\188(2)	13.53	307.75
Gidea Park	00.35	00+36	5C28		189(1)\188(2)	0.53	308.28
Gidea Pk Mid Sdg	00+38	00+45	5V77		188(1)\189(2)	5.93	314.21
Ilford EMUD	01+04						
						<b>Loaded</b>	<b>303.21</b>
						<b>Empty</b>	<b>11.00</b>
						<b>Total</b>	<b>314.21</b>

DRAFT MTR Crossrail Electric Multiple Unit Diagrams  
Monday 5 February 2018 to Saturday 19 May 2018

IL 600 Class 317/8

Days Su  
From 10/12/2017  
To 13/05/2018

Extract from Arriva Rail London diagrams

	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