

Battersea Depot

Route Guide

159

DRIVING HOURS

DRIVING HOUR RULE	LEGAL LIMIT	COMPANY RULE
Continuous driving in one spell	5 ½ hours (330 Minutes)	5 ½ hours (330 minutes) – call iBus at 270 & 300 per driving spell
Total driving in a day	10 hours (600 minutes)	9 ½ hours (570 minutes) – call iBus at 540 minutes
Total hours worked in a day	16 hours (960 minutes)	14 hours (840 minutes)
Consecutive days worked	13 days & then 24 hours rest	13 days & then 1 whole calendar day's rest
Rest between duties	10 hours (600 minutes) (can be reduced 3 times per week)	10 hours minimum

**DO NOT FORGET TO SIGN ON & OFF
FOR YOUR DUTY**

**Drivers must carry their
driving licence and DQC cards
with them at all times.**

NRM Cab familiarisation

LED Warning Lights



1. Stop. If this light comes on, stop immediately but safely



2. Low air pressure



3. ABS Braking System



4. Headlights on – Low



5. Left Indicator on



6. Check at the next stop



7. Parking brake is applied



8. Door brake status



9. Headlights on – Full



10. Right Indicator on



11. Speedometer



12. Keypad to navigate LCD Display area

Vehicle Filler Locations

1. Engine Oil
2. Engine Coolant
3. Hybrid Coolant
4. Adblue
5. Diesel
6. Steering Fluid
7. Screen Wash
8. Battery Coolant































If any of the following symbols appear, you should proceed with caution and report the fault on your Vehicle Defect Card.

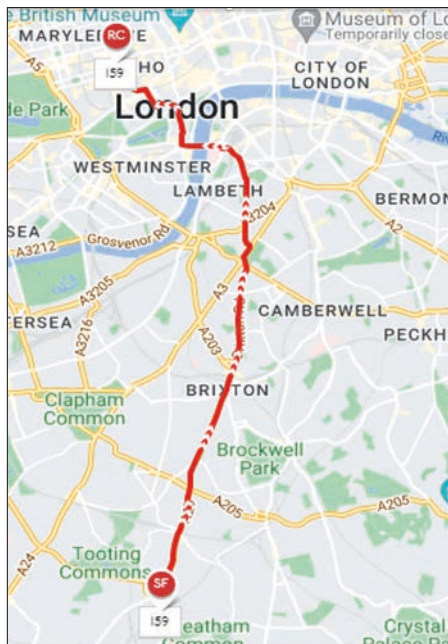
Icon	Description
	Transmission fault amber warning
	Power steering oil level low warning
	Fan oil level low warning
	Battery voltage low or BPS system activated warning
	Fuel level low warning
	Engine ECU fault amber warning
	Engine emission fault amber warning
	EBS fault amber warning
	Compressor fault warning
	Power steering fault warning
	Kneeling inhibit warning
	Crew mode warning
	Coolant level low warning
	Door override warning
	HV battery critically discharged
	HV battery low capacity
	MUX warning
	Windscreen washer bottle level low warning
	Oil level warning
	Oil warning
	DICO warning

Icon	Description
	ECAS fault amber warning
	Brake lining wear sensor warning
	Water in fuel warning
	AdBlue tank level low warning
	Vehicle not at correct ride height warning
	Rear fog light active warning
	Engine rear start mode warning
	Engine hatch open warning
	HV over-temp warning
	HV over-voltage warning
	HV battery off (DE mode) warning
	HV battery module lost warning
	HV battery BMU timeout warning
	Time approaching shutdown warning
	E-Stop warning
	HV battery contactor fault
	Motor1 warning
	Generator warning
	Drive System warning
	Drive Coolant warning

If any of the following symbols appear, you should proceed with caution and stop at a safe location, turning off the engine to prevent damage and call ibus.

Icon	Description
	Air pressure circuit 1 low (extinguished when air pressure is built up)
	Air pressure circuit 2 low (extinguished when air pressure is built up)
	Engine Oil pressure low warning
	Engine coolant level low warning
	Engine coolant temperature high warning
	Engine compartment temperature high warning
	Brake pedal error warning
	Compressor stop warning
	Power steering stop warning
	DICO stop warning
	Motor 1 inverter stop warning
	Generator inverter stop warning
	Drive system stop warning
	Generator charging error warning

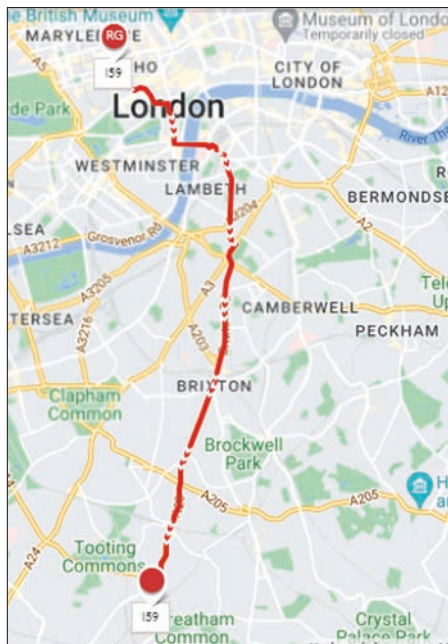
Icon	Description
	Engine ECU fault red stop warning
	EBS fault red stop warning
	Multiplex fault red stop warning
	Battery charge error warning
	Fuel level sensor warning
	Electrical compartment temperature high warning
	Drive coolant temp high warning
	Fuel level critical warning
	LV battery warning
	Engine protection fault warning
	HV battery contactor fault
	Drive coolant low warning
	Vehicle approaching shutdown
	ECAS Red stop warning



Route 159

Towards Oxford Circus

Streatham Station Bus Stand, Streatham High Road, Station Approach, Streatham High Road, Streatham Hill, Brixton Hill, Brixton Road, Kennington Park Road, Kennington Road, Westminster Bridge Road, Westminster Bridge, Bridge Street, Bus-Only Right Turn, Parliament Street, Whitehall, Charing Cross, Trafalgar Square (south Side), Cockspur Street, Pall Mall, Waterloo Place, Regent Street St. James, Regent Street, Piccadilly Circus, Regent Street, Margaret Street, **John Prince's Street**.



Route 159

Towards Streatham Station

John Prince's Street, Oxford Street, Regent Street, Piccadilly Circus, Haymarket, Cockspur Street, Trafalgar Square (south Side), Whitehall, Parliament Street, Bridge Street, Westminster Bridge, Westminster Bridge Road, Kennington Road, Kennington Park Road, Brixton Road, Brixton Hill, Streatham Hill, Streatham High Road, Streatham Station Bus Stand.

Route 159 towards Oxford Circus

- 
- **Streatham Station**
 - St Leonard's Church
 - Becmead Avenue
 - Kingscourt Road
 - Mount Ephraim Road
 - Streatham Hill Station / Streatham Hill
 - Barrhill Road
 - Telford Avenue
 - Christchurch Road
 - Holmewood Road
 - New Park Road
 - Jebb Avenue / Brixton Prison
 - Blenheim Gardens
 - Rush Common
 - Lambeth Town Hall
 - Brixton Station
 - Brixton Road / Brixton Police Station
 - Villa Road
 - Loughborough Road
 - Groveway
 - Hillyard Street
 - Vassall Road
 - St Mark's Church
 - Kennington Park Post Office
 - Windmill Row
 - Kennington Lane
 - Fitzalan Street
 - Kennington Road / Imperial War Museum
 - Lambeth North Station
 - Lower Marsh
 - St Thomas' Hospital / County Hall
 - Westminster Station / Parliament Square
 - Horse Guards Parade
 - Trafalgar Square
 - Regent Street / St James's
 - Piccadilly Circus
 - Conduit Street / Hamleys Toy Store
 - **Oxford Circus Station**

Route 159 towards Streatham Station

- 
- Oxford Circus Station**
 - Conduit Street / Hamleys Toy Store
 - Piccadilly Circus
 - Haymarket / Charles li Street
 - Trafalgar Square /
Charing Cross Station
 - Whitehall / Trafalgar Square
 - Whitehall / Horseguards Avenue
 - Horse Guards Parade
 - Westminster Station /
Parliament Square
 - St Thomas' Hospital / County Hall
 - Lower Marsh
 - Lambeth North Station
 - Kennington Road /
Imperial War Museum
 - Fitzalan Street
 - Kennington Lane
 - Windmill Row
 - Kennington Park Post Office
 - St Mark's Church
 - Vassall Road
 - Grovelway
- 
- Loughborough Road
 - Villa Road
 - Brixton Road /
Brixton Police Station
 - Brixton Station
 - Rush Common
 - Brixton Water Lane
 - Blenheim Gardens
 - Jebb Avenue / Brixton Prison
 - New Park Road
 - Holmewood Road
 - Streatham Hill / Christchurch Road
 - Telford Avenue
 - Streatham Hill Station /
Streatham Hill
 - Leigham Court Road
 - Mount Ephraim Road
 - Kingscourt Road
 - Becmead Avenue
 - St Leonard's Church
 - Streatham Station**

Streatham Bus Station / Tesco's Extra Superstore



REMEMBER – It is a legal and contractual requirement to switch off the engine when on any Bus Stand

Care and caution when entering and exiting the bus station, there is a high kerb which could possibly cause severe damage to the bus. Also, the area has a high volume of pedestrians that have a habit of walking in the middle of the road.

Solution:

- Extreme Care and Caution
- Take a wide berth when entering and exiting Stand
- Ensure mirror checks are done
- Follow the 3 "Sees"

St. Leonard's Church



Extreme care and caution while navigating through this junction. It can get very congested and two lanes merge into one.

Solution:

- Be observant of other vehicles trying to cut in front as the lanes merge
- Indicate early making your actions clear
- Straddle both lanes
- Follow the 3 "Sees"

Streatham Hill Station / Marks & Spencer's



This stop has a canopy (Street Furniture) that protrudes into the carriageway.

Please do not pull into the Bus Stop at an angle as this will cause a possible collision. If there is a vehicle serving the stop wait behind before serving your allocated bus stop.

Solution:

- Proceed with caution and show extra care for pedestrians that might be standing under the canopy
- DO NOT pull into the bus stop at an angle, if a vehicle is obstructing the bus stop please be patient and wait until clear



Brixton Station



Heavy vehicle and pedestrian presence.

Pedestrians may wander into the road to pass other pedestrians or attempt to cross at undesignated crossings.

Solution:

- Take great care and attention while navigating through this location
- Forward planning is essential here
- Follow the 3 "Sees"



Kennington Road Junction / Kennington Park Road



Heavy vehicle and cyclist presence. Vehicles/Cyclists may change lanes without warning.

The lanes are narrow at the traffic lights so extra care must be given when turning onto Kennington Road.

Extra caution must be given as cyclists come from the left cycle lane.

Solution:

- Be extra vigilant as this is a very busy location.
- Straddle both lanes at the junction of Kennington Road Lambeth
- Follow the 3 "Sees"

Kennington Park Road, Lambeth / Post Office



Caution – There are a number of trees which are placed close to the road side or have started to lean into the road, a collision might occur if the bus is positioned too close to kerb.

Solution:

- Follow the 3 “Sees”
- Approach stops slowly
- Ensure that you don’t travel too close to the kerb and look out for overhanging branches
- Report any concerns to an Transport UK Official as soon as possible

Westminster Bridge Road / Waterloo Rail Bridge



Care and caution, Arched Railway Bridge with Bus Lane clearance of 14'6".

At this particular junction, there is a raised surface on entry to the bridge which means buses can drive onto the pavement without realising.

Bollards have been installed to stop this happening.

Solution:

- Forward planning
- Under no circumstances mount the kerb
- Do not obstruct Yellow Box Junction
- Care and caution

Piccadilly Circus / Regent Street / Lower End



High volume of vehicle and pedestrian presence.

This area is known to be a tourist hotspot and therefore their unpredictable actions from them can lead to a collision.

The junction is generally busy with vehicles and can be confusing, causing vehicles to change lanes which could lead to collisions with vehicles.



Solution:

- Care and caution
- Plan ahead
- Make sure you are in the correct lane. (Middle Lane)
- Follow the 3 "Sees"

Regent Street



Heavy vehicle and pedestrian presence.

Be aware of pedestrians stepping into the road.

Solution:

- Remain cautious of vehicles turning in from Piccadilly or emerging from side roads along Regent Street
- Heavily pedestrianised area, watch out for pedestrians crossing or emerging from behind stationary vehicles
- Unpredictable actions by others (i.e. Taxis and Tourists)
- Follow the 3 "Sees"



Regent Street (Top End)



Due to the width and length of NRM's straddle both lanes when turning into Oxford Street.

The area is known to be a very heavy pedestrian area, due to the Oxford Street tube station and is renowned retail shops.



Solution:

- Straddle both lanes
- Apply care and caution.
- Follow the 3 "Sees"

Oxford Street (Towards Streatham)



Extra care & caution throughout all of Oxford Street, as this location is very busy with pedestrians and vehicle, and it is also a Hotspot for shoppers and Tourists.

Solution:

- Slow and steady
- Follow the 3 "Sees"
- Be extra vigilant with regards to pedestrians and Taxis performing U-Turns

Light Running

Depot – Streatham Station

(Depot) Silverthorne Road, Old Town, The Pavement, Clapham Common South Side, Cavendish Road South Circular, South Circular Poynders Road, Streatham Hill, Streatham High Road **(Stand)**

Streatham Station – Depot

(Stand) Streatham High Road, South Circular Streatham Place, South Circular Poynders Road, South Circular Clapham Common South, South Circular the Avenue, Clapham Common South Side, Rookery Road, Long Road, Cedars Road, Queenstown Road, Silverthorne Road **(Depot)**

Depot – Oxford Circus

(Depot) Silverthorne Road, Broughton Street, Queenstown Road, Chelsea Bridge, Ebury Bridge Road, Buckingham Palace Road, Grosvenor Gardens, Duke of Wellington Place, Park Lane, Cumberland Gate, Marble Arch, Oxford Street, Regent Street, Margaret Street, John Prince's Street **(Stand)**

Oxford Circus - Depot

(Stand) John Prince's Street, Oxford Street, Park Lane, Piccadilly, Duke of Wellington Place, Grosvenor Place, Buckingham Palace Road, Ebury Bridge Road, Chelsea Bridge Road, Queenstown Road, Silverthorne Road **(Depot)**

Low Bridge Warning (Battersea Depot)

The bridge height is 13 feet 2 inches therefore the bridge is to be avoided and no attempt to pass underneath or pass near the bridge.

Under no circumstances are you to overtake stationary vehicles waiting to enter the depot as there is significant risk of making contact with the bridge or the bridge supports.



Curtailment Points

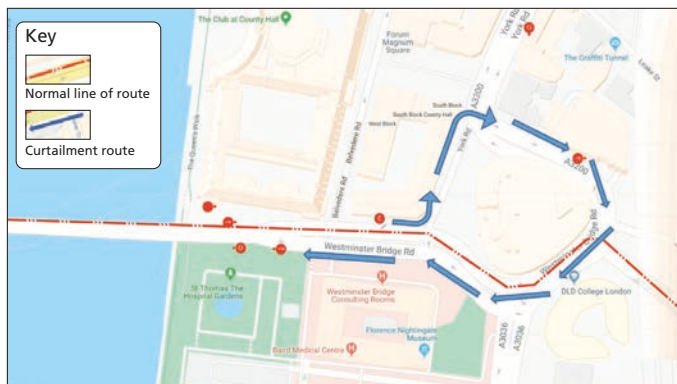
From Marble Arch to Streatham Station:

- Westminster Bridge Road, County Hall (Turning Point Only – Buses must not stand)
- Kennington, Vassall Road
- Brixton, Lambeth Town Hall, Effra Road
- Brixton Hill, Holmewood Road (Turning Point Only – Buses must not stand)

From Streatham Station to Marble Arch:

- Brixton, Stockwell Park Walk
- Westminster Bridge Road, Lower Marsh (Turning Point Only – Buses must not stand)
- Trafalgar Square, Northumberland Avenue, South Side
- Piccadilly Circus (Turning Point Only – Buses must not stand)

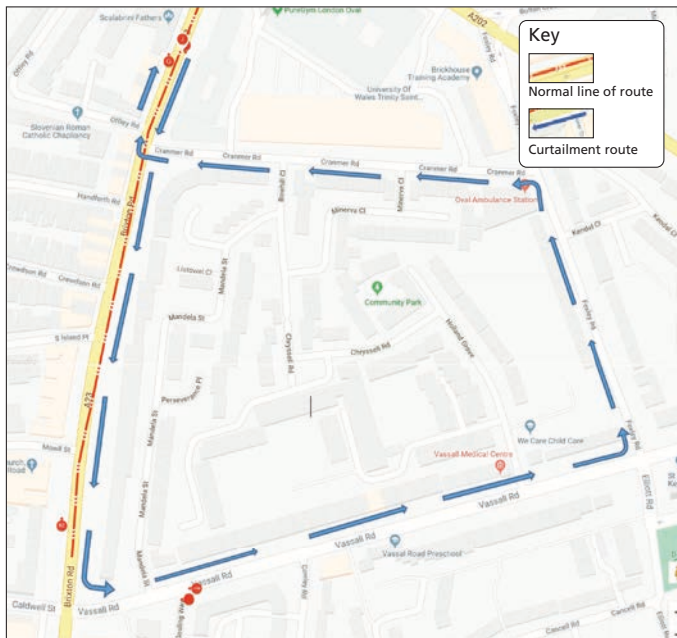
Westminster Bridge Road, County Hall (From Marble Arch to Streatham)



Details of Curtailment route

- Set down in Westminster Bridge, bus stop E
- Turn left into York Road, and then turn right onto Addington Street joining back onto line of route
- Picking up at bus stop D

Kennington, Vassall Road (From Marble Arch to Streatham)



Details of Curtailment route

- Set down in Brixton Road at bus stop J
- Proceed along Brixton Road, turning left into Vassall Road
- Turn left onto Foxley Road, left into Cramner Road, and then turning right back onto Brixton Road
- Picking up from bus stop H

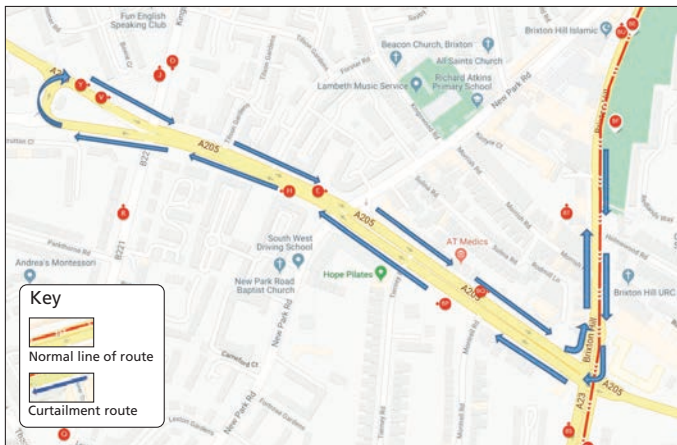
Brixton, Lambeth Town Hall, Effra Road (From Marble Arch to Streatham)



Details of Curtailment route

- Set down in Brixton Road at bus stop P
- At the fork in the road, bear left onto Effra Road, turning right in the one-way system onto St Matthews Road
- Turn right back onto Brixton Hill, picking up at bus stop X

Brixton Hill, Holmewood Road (From Marble Arch to Streatham)



Details of Curtailment route

- Set down at in Brixton Hill at bus stop BF.
- Turn right onto Streatham Place (A205), circumnavigating the route 45 stand, and pick up back on Brixton Hill bus stop BT

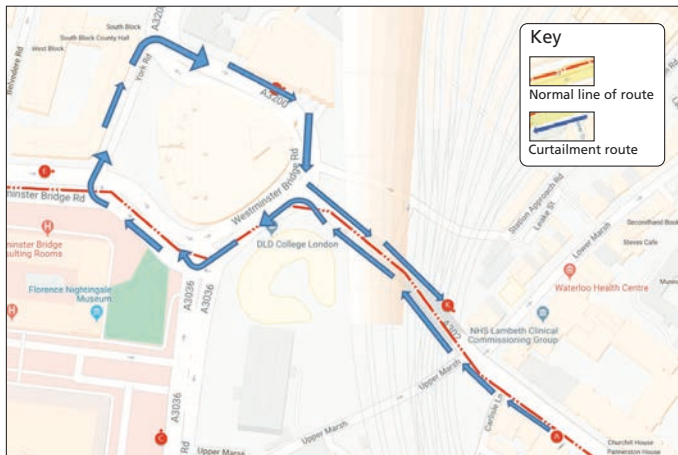
Brixton, Stockwell Park Walk (From Streatham to Marble Arch)



Details of Curtailment route

- Set down in Brixton Road, bus stop
- Turn left into Stockwell Road (Brixton o2 arena), turn right onto Stockwell Park Road, past the 109 stand
- Turn right back onto Brixton Road, picking up at bus stop G

Westminster Bridge (From Streatham to Marble Arch)



Details of Curtailment route

- Set down in Westminster Bridge Road, at bus stop A
- Proceed to Westminster Bridge, and turn right just before onto York Road
- Turn right onto Addington Road, back onto Westminster Bridge Road
- Picking up at bus stop K

Trafalgar Square, Northumberland Avenue (From Streatham to Marble Arch)



Details of Curtailment route

- Set down in Whitehall
- Proceed along Whitehall, circumnavigating Trafalgar Square
- Picking up at bus stop M

Piccadilly Circus (From Streatham to Marble Arch)



Details of Curtailment route

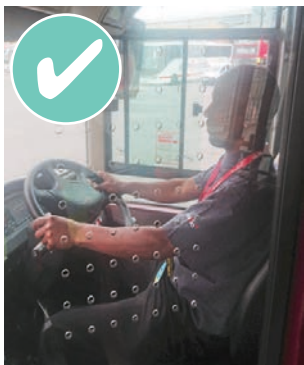
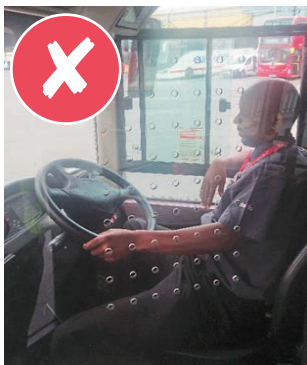
- Set down in Regent Street, bus stop Z
- Turn right onto Coventry Street
- Turn right onto Haymarket, picking up at bus stop P

TWO HANDS ON THE WHEEL

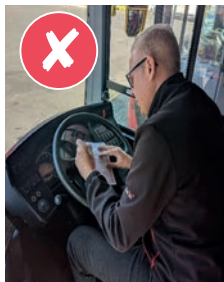
Please remember to keep two hands on the wheel at all times.

Under **NO CIRCUMSTANCES** will one handed driving be tolerated.

If found to be using one hand while being assessed this is an automatic 3A or above.



- No reading of newspaper
- No completing log card or other paperwork
- No eating or drinking



NRM Rear Door Functioning



Please take extra care when opening/closing the rear doors and allow sufficient time. Rear doors on the early model NRM's open inwards increasing the chance of possible contact with standing customers.

We lose on average £100 for every broken mirror incident!

That includes the
cost of the mirror,
labour, lost mileage,
time off the road
for that bus, lost
revenue.



These are to assist
drivers with their
Blind Spots and
minimize accidents
on the road. As
you can see there
is a considerable
difference in the
amount you can see.

Let's aim for Zero Mirror Incidents!

BCES Update: Effort & Communication Is Key

The change aims to put scores back in the control of drivers, it aims to ensure drivers are not penalised when communication is a challenge if the driver has taken steps to improve communication. The measure will no longer focus on how clearly the driver spoke but focus on behaviours. If the driver is having difficulties hearing the assessor, or the assessor has difficulties hearing the driver, the assessor will look

for whether the driver takes any positive action to improve communication. If the driver takes positive action but the assessor is still unable to gain a response to their question, the driver will receive the top score for both Communication and Knowledge. Assessors will play their part, if they don't receive a full response they will repeat their question and / or ask the driver to repeat their response.

Examples of positive actions that assessors will be looking for include:

**Leaning closer
to the screen
to hear better**

**Closing the
window to
hear better**

**Turning cab
fan / blowers off
to reduce noise**

**Asking customer
to repeat their
question**

**Attempting to
confirm customer has
heard / understood**

In situations where communication is a problem and the driver does not take any positive actions, such as those above, the driver will continue to receive low scores for Knowledge and Communication.