

tennants^{UK}

BSAU 145e

Compliance Pack



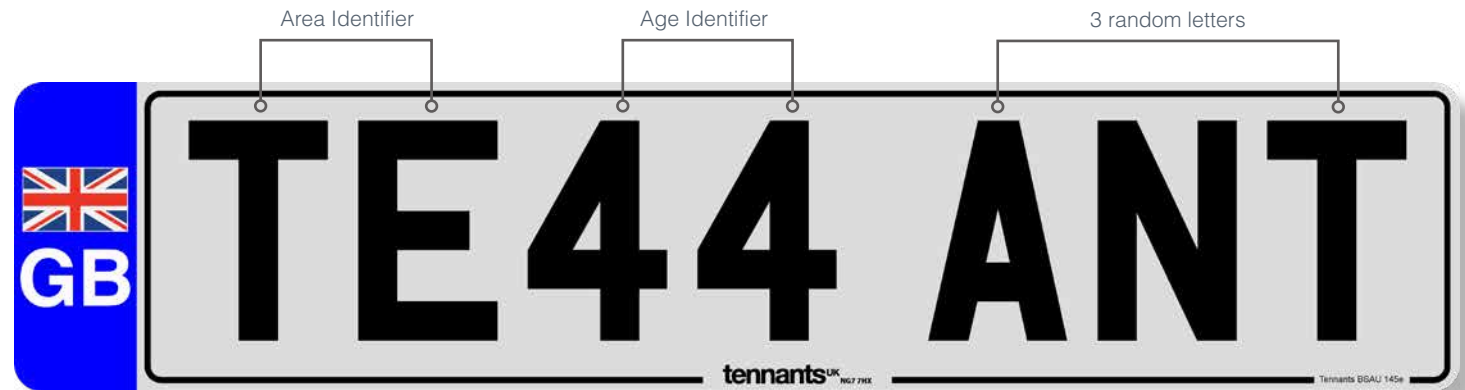
Legal Number Plates

Front plate

White reflective background

Rear plate

Yellow reflective background



1. Side badges

Badges must be integral to the main image and not applied separately. See below our range of standard badges.



Zero Emission Vehicles (ZEVs) are permitted to display green side badges from the following range:



Note: Green side badges must be retro-reflective and closely match PMS 7481.

2. Bottom Line

Dealer name must be displayed, including postcode, in a single, solid colour. Maximum size 178mm x 10mm. Minimum height 3mm

5. Registration Font Style

Laser Charles Wright New standard black only. 3D, Hi-line and Carbon are now illegal. 79mm high with 14mm stroke. 50mm wide (except L and number 1)

3. Borders

Borders of no more than 5mm thick are a permitted option and may be of a single, solid colour. Minimum 10mm space required between registration and border.

6. British Standard

BS No. and manufacturers name must be displayed in the same colour as the bottom line. Maximum size 57mm x 10mm. Minimum height 3mm

4. Fixings

Adhesive pads are to be used wherever possible. If mechanical fixings are absolutely necessary, they must not be positioned anywhere in the readable area or within the 10mm isolation area around the registration

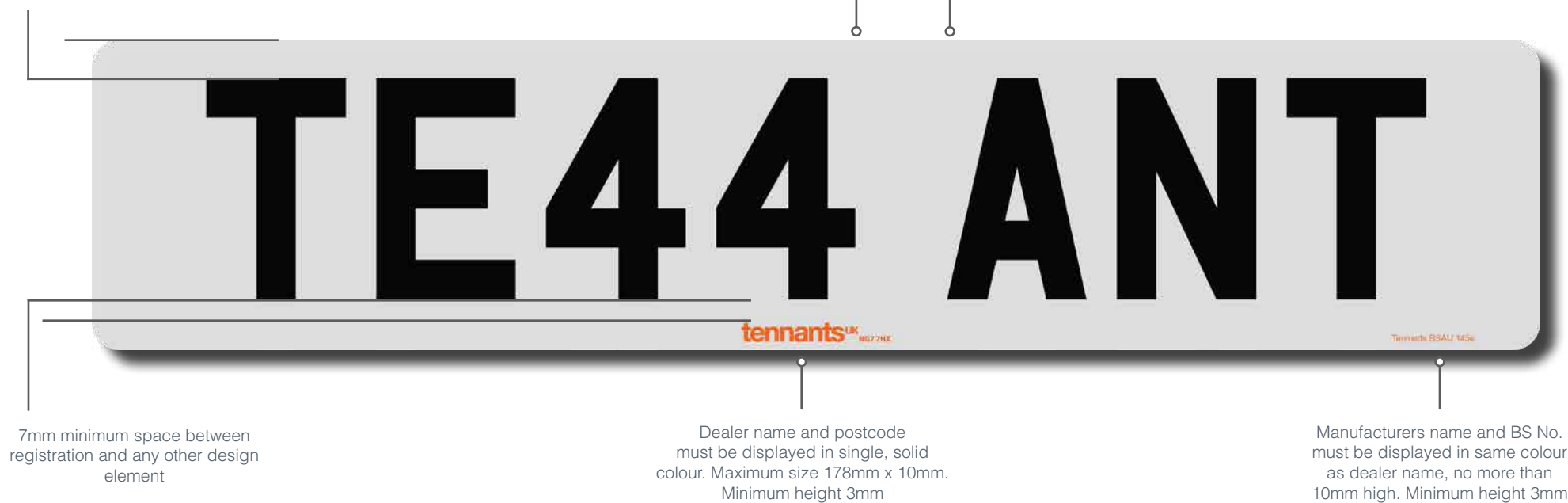
7. Reflective

Reflective material must be plain, not include a pattern or watermarks and must meet photometric requirements.

Spacing

11mm minimum space between registration and edge of plate

Space between groups 33mm



Matched Components

To achieve BSAU 145e and MOT compliance, all number plate suppliers are obliged to source their system, software and components from a single provider, ensuring all elements of supply have been tested and approved to current standards.

Permitted Options

Lipped Plates

The lipped area of the plate must be non-reflective and may be used for personalisation and advertising in any colour.



Oversized Plates

Where it is difficult to achieve the necessary isolation around a 145e compliant registration, oversized plates can be used.

We carry a stock of the following plates with an extra 10mm for this purpose.

- Standard oblong
- Square
- Motorcycle

Black & Silver Plates



Permitted on pre-1980 vehicles only.

True 3D digits



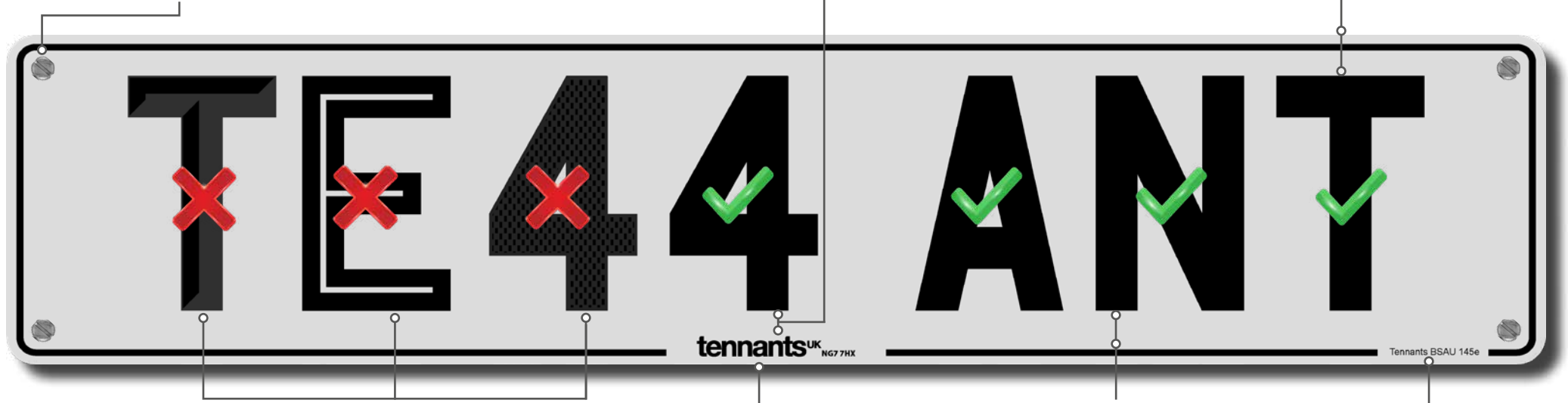
3mm thick solid black plastic digits are permitted when used in conjunction with a printed registration.

New for BSAU 145e

The use of mechanical fixings is not recommended.
If used, all fixings must be positioned outside of the readable area.

7mm minimum space between registration and any other design element

11mm minimum space between registration and edge of plate



3D, Hi-line and Carbon character styles are no longer permitted (solid black only)

NEW maximum height of 10mm, and minimum height of 3mm
Single colour only

10mm minimum space between registration and coachline

NEW BSAU 145e must be displayed along with manufacturer's name.
Same colour as bottom line

If mechanical fixings are used they must be positioned to avoid the readable area.

It is recommended that adhesive sticky pads are used wherever possible.



In Summary

Feature	BS AU 145d	BS AU 145e	Comments
Fonts	Laser Charles Wright New. Black, 3D, Hi-line and Carbon permitted.	Laser Charles Wright New. Solid Black only.	LG Plates software will enforce compliance.
Bottom line	Dealer name and postcode. Max. 178mm x 13mm. Minimum height 3mm.	Dealer name and postcode. Max. 178mm x 10mm Minimum height 3mm	LG Plates software will enforce compliance.
BS number	System and component supplier name followed by BSAU 145d. Single, solid colour only.	System and component supplier name followed by BSAU 145e. Single, solid colour only	LG Plates software will enforce compliance.
Borders	Borders of no more than 6mm thick are a permitted option and may be coloured if desired.	Borders of no more than 5mm thick are a permitted option and may be coloured if desired.	Borders should not be reflective

Side badges	A wide range of National Flags are permitted and may be non-reflective with the exception of GB / Euro for which the GB text must remain reflective.	Badges with blue background to display national flags and country identifiers. GB Euro side badge no longer permitted. Green badges permitted for use on Zero Emission Vehicles.	Blue badges may be either reflective or non-reflective. Green badges must be reflective
Fixings	Mechanical fixings are permissible as long as screw / bolt heads are not used to intentionally alter the appearance of the registration.	The use of mechanical fixings is not recommended. If used, all fixings must be positioned outside of the readable area.	Tennants supply a comprehensive range of adhesive pads and fixings.
Lipped plates	Integral lip to display advertising and promotional information is permitted.	No change	Information displayed on lip should be non-reflective.
Frames	Frames are permitted (including graphic information to bottom lip) providing they don't encroach on the registration.	No change	Information displayed on frame should be non-reflective.
Testing	All finished plates must have passed every aspect of testing criteria to meet BSAU 145d.	All finished plates must have passed every aspect of testing criteria to meet BSAU 145e.	Testing is undertaken in house and verified independently by authorised testing houses.

Compliance Failure Reasons

1. Delamination 



2. Fixing and Installation 



3. Incorrect spacing **X**



4. Cracked plate **X**



5. New reg on black and silver plate **X**
(permitted on pre-1980 vehicles only)



6. No BS No. **X**



7. No bottom line outlet name **X**



8. Incorrect fonts **X**



9. Stick on vinyl letters **X**



10. Patterned background **X**



NOTE: Includes Gel letters

11. Outlet line too big **X**



12. Outlet line / border encroaching on reg **X**



Top, bottom and side margin
10mm (minimum)

Must have a space of 7mm
between reg and outlet line



13. Dealer stickers over original outlet print **X**



14. Faded image **X**



15. Non legal badges and the use of copyrighted images **X**



16. Undersize font **X**



Technical & **Testing** (new for BS AU 145e)



Near Infrared Contrast

Part of the new testing criteria for BSAU 145e is N&R (Near Infrared) contrast. This is to increase the accuracy of ANPR camera readings (currently 3% of plates are misread, resulting in as many as 1 million vehicles being misidentified every day). As such, legibility and opacity of printed digits and their contrast with plate background is ever more imperative.



Abrasion Testing

Intensive abrasion testing is new for BSAU 145e and measures the continued performance of retro-reflectivity after exposure to dirt, impact and weathering (including jet washing).

In summary, the main focus of BSAU 145e is legibility, forcing traders to ensure all plates they produce are fully compliant and removing the option for stylised designs.

If in doubt, talk to Tennants - we'll help keep you legal.

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