



TF277 (GLOSS BLACK) & TF288 (SATIN BLACK): ALL DEFENDERS

TERRAFIRMA TVX FRONT GRILL & HEADLIGHT SURROUNDS

FITTING INSTRUCTIONS

Please note that both TF277 & TF278 are designed to work with 95mm diameter NAS spec LED indicators and sidelights. You'll need to enlarge the holes if you want to fit non-LED lights.

In the box

2 x metal brackets – handed

2 x headlight surrounds – handed

1 x front grille

Fitting kit

Fitting kit for TVX Front Grille

12 per pack (6 per bracket) x U-Clips for No. 10 screw (Small Clips)

2 per pack (1 per bracket) x U-Clips for No. 14 screw (Large Clips)

2 per pack (1 per bracket) x self-tapping screws pan posidrive zinc 14x2" (6.3 x 50mm)

24 per pack (10 per bracket 4 per grille) x self-tapping screws posidrive flange black zinc 10 x3/4" (4.8 x19mm) (black flanged screws)

2 per pack (1 per bracket) x washer flat A2 M6 form c (for the large front grille screw)

2 length rubber strip

2 spacers per pack (1 per headlight surround – for the large front grille screw)

1. Remove existing front grille
2. Remove existing headlight surrounds
3. Disconnect lamp units
4. Remove headlight
5. Remove headlight bowl/mount
6. Install new headlight bracket – these are handed with the large legs to the inside, alongside the grille and the side with the cut outs along the outer edge of the vehicle. The 4 smaller legs are to be facing out; the bracket lies flat against the body. The bracket creates a spacer for the headlight to sit out from the body.

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**TF277 / TF278
DEFENDER**



7. Feed the headlight bowl/mount through the bracket
8. Attach the bracket to the body using 4 black flange No.10 screws through the top 4 holes - line up the hole and screw to the body (the two holes at the bottom of the bracket can be used to further attached to the body work using Rivnuts for additional security - these are not provided, see guide below)
9. Remount the headlight bowl/mount to the 4 legs facing out. 4 small U clips are provided to attach to each leg with 4 black flanged self-tapping screws.
10. You may need to remove the excess body work from behind the bracket, cut or bend behind; if using with headlight adjustment motor
11. Re-fit the headlamp
12. Repeat 6-11 on the other side
13. Remove front panel. The grille replaces the front panel.
14. Fit the headlight surrounds on both sides. The indicator is the top smaller recess. Reattach all lights. 2 small U clips provided for top leg and bottom hole. Screw to top leg on bracket and the body through the surround; using black flanged self-tapping screws provided. 1 large U clip No. 14 for the bottom outer leg for the grill to attach to.
15. Use the rubber strip along the inner edge of the grille frame; forms an additional seal with the headlight surround.
16. Fit front grille panel – slot under both headlight surrounds and line up with 4 holes along the top, using the 4 black flanged self-tapping screws fix the grille to the body.
17. Using the spacer provided, attach the grille to the headlight finisher – this goes behind the headlight finisher and the metal bracket - with the long screw and washer. May need to hold spacer in place to ensure screw finds the U-clip.

Rivnut Installation Guide & Links

Install the Rivnuts, preferably using a Rivnut tool. If the correct tool is not available, you can install them using the methods shown in the links below, the idea is to compress the insert up on itself from the inside – tight enough to prevent the insert from spinning in place but not so tight that you strip the thread. Remember to de-burr all drilled holes to allow the insert to sit square to the hole.

<https://www.youtube.com/watch?v=FJ4gF2tXRBE>

<https://youtu.be/gmZBVSMBs0E>