Position the Beamsetter
in front of the headlight no
less than 12 in. and no
more than 28 in. from
the light.

Set the inclination % to
0.7% by turning the dial at
the back of the box.
The % indicated in the
molding of the headlight
is for Europe ONLY.

Align the Beamsetter
box so it is centered on
the **low beam** light bulb.
Use the arrows molded
vertically and laterally on
the Beamsetter box to
ensure the alignment is
within 1.2 in.

Align the Beamsetter
box parallel to the front of
the vehicle (Steps 4a–4d).
**NOTE:** This is the most
critical step in the entire
set-up procedure.

4a. Place a straightedge
across the front of the
vehicle so that it aligns with
two similar points on either
side (fender bolts, headlight
bolts, etc.).

4b. Slide the Broadband
Sight towards the center of
the vehicle.

4c. Loosen the handwheel
that locks the column,
allowing the Beamsetter
box to rotate.

4d. Sighting down through
the slit in the Broadband,
slowly rotate the box on
the column until the straightedge
is **PERFECTLY** in line and
parallel with the slit in the
Broadband. Once the
visual alignment is perfect,
carefully lock the column
wheel in place.

NOTE: This alignment has a critical influence on
the screen image positioning about to take place,
and if not performed exactly, will result in an
incorrect headlight aim.
Headlight Adjustment
Instructions Using the VAS 5107 Hella Universal Beamsetter IV

Adjusting the Headlight

5. Turn on the headlights to the low beam position. Look at the image shown in the Beamsetter. Based on the vehicle type, an image similar to the examples shown below should align in relation to the target indicator.

6. Align the vertical and horizontal position of the headlight utilizing the headlight setting screws to match the corresponding left and right beam images. Beam images for each vehicle type are shown below.

7. Repeat the entire Beamsetter set-up procedure to adjust the other headlight. NOTE: DO NOT roll the Beamsetter across to the other headlight and assume the settings remain accurate. The settings DO NOT remain accurate. You must fully repeat the Beamsetter Set-Up procedure for left and right lamps (steps 1-4d).

Recommended Beamsetter Images

NOTE: When viewing any image from left to right, the image should “step up” just to the right edge of the target box.