

Montageanleitung
90mm Mono LED Modul

Installation Instruction
90mm Mono LED Module

Instructions de Montage
90mm Mono LED Module

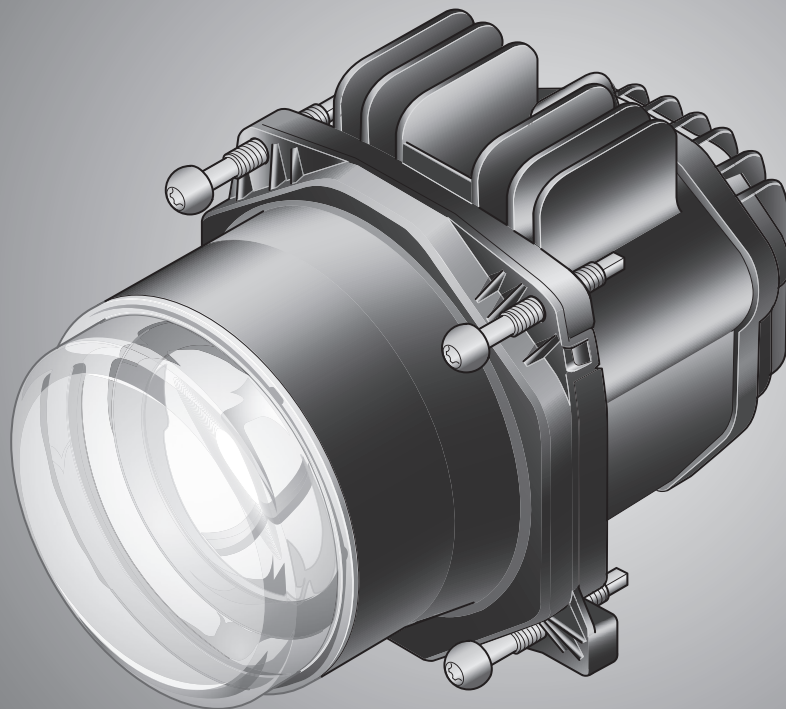
Monteringsanvisning
90mm Mono LED Modul

Montagehandleiding
90mm Mono LED Module

Instrucciones de Montaje
90 mm Mono Módulo LED

Istruzioni di Montaggio
90mm Mono LED Module

Asennusohje
90mm Mono LED Module



DE Technische Änderungen vorbehalten

EN Subject to alteration without notice

FR Sous réserve de modifications techniques

SV Vi reserverar oss för tekniska ändringar

NL Technische wijzigingen voorbehouden

ES Reservadas modificaciones técnicas

IT Con riserva di modifiche tecniche

FI Oikeus teknisiin muutoksiin pidätetään

Zeichenerklärung
Explanation of symbols
Explication des symboles



- (DE)** Richtig
- (EN)** Correct
- (FR)** Correct
- (SV)** Rätt
- (NL)** Goed
- (ES)** Correcto
- (IT)** Giusto
- (FI)** Oikein



- (DE)** Bewegungspfeil
- (EN)** Movement Arrow
- (FR)** Flèche indiquant sens du mouvement
- (SV)** Rörelsepil
- (NL)** Richtingspijl
- (ES)** Flecha de movimiento
- (IT)** Freccia di movimento
- (FI)** Liikesuuntanuoli

Symbolförklaring
Legenda
Aclaración de símbolos



- (DE)** Falsch
- (EN)** Incorrect
- (FR)** Incorrect
- (SV)** Fel
- (NL)** Fout
- (ES)** Erróneo
- (IT)** Sbagliato
- (FI)** Väärin



- (DE)** Achtung
- (EN)** Warning
- (FR)** Attention
- (SV)** Varning
- (NL)** Let op
- (ES)** Atención
- (IT)** Attenzione
- (FI)** Huomio

Legenda
Piirroksen selitys



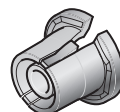
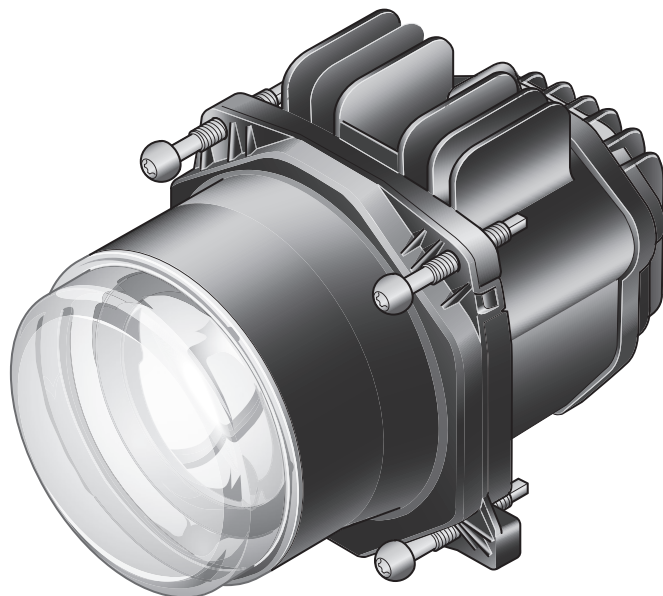
- (DE)** Positionspfeil
- (EN)** Location/Position Arrow
- (FR)** Flèche de Position
- (SV)** Positionpil
- (NL)** Lokatie/Positie pijl
- (ES)** Flecha de posición
- (IT)** Freccia di posizione
- (FI)** Paikannusnuoli

Lieferumfang
Kit Includes
Fourniture

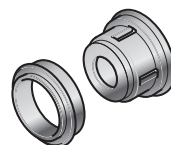
Leveransomfattning
Inhoud Set
Volumen del Suministro

Dotazione di Fornitura
Osaluettelo

1BL 010 820-00X
1ML 010 820-01X



3x

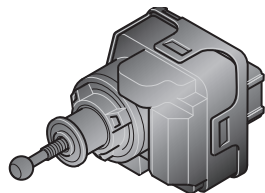


3x

Zubehör
Accessories
Accessories

Tillbehör
Tillbehören
Accessorios

Accessori
Lisätarvikkeet



6NM 007 282-221 (12V)
6NM 008 299-501 (24V)



8HG 138 619-007



8HG 138 620-007



8JA 746 184-032



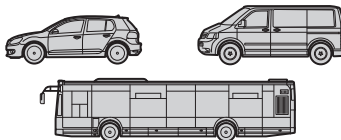
8KW 744 837-002



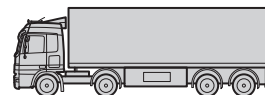
9GD 746 185-002



9AH 169 580-011



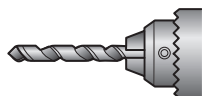
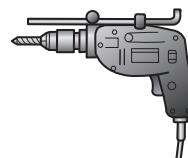
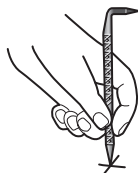
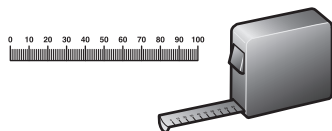
9AH 185 978-011



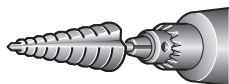
Benötigte Montagewerkzeuge
Installation tools required
Outils de montage requis

Nödvändiga monteringsverktyg
Benodigde montagewerktuigen
Herramientas de montaje necesarias

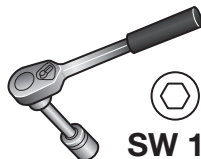
Attrezzi necessari per il montaggio
Tarvittavat asennustyökalut



3,5 mm
5 mm
6,5 mm



14 mm
16 mm
17 mm
24 mm



SW 10



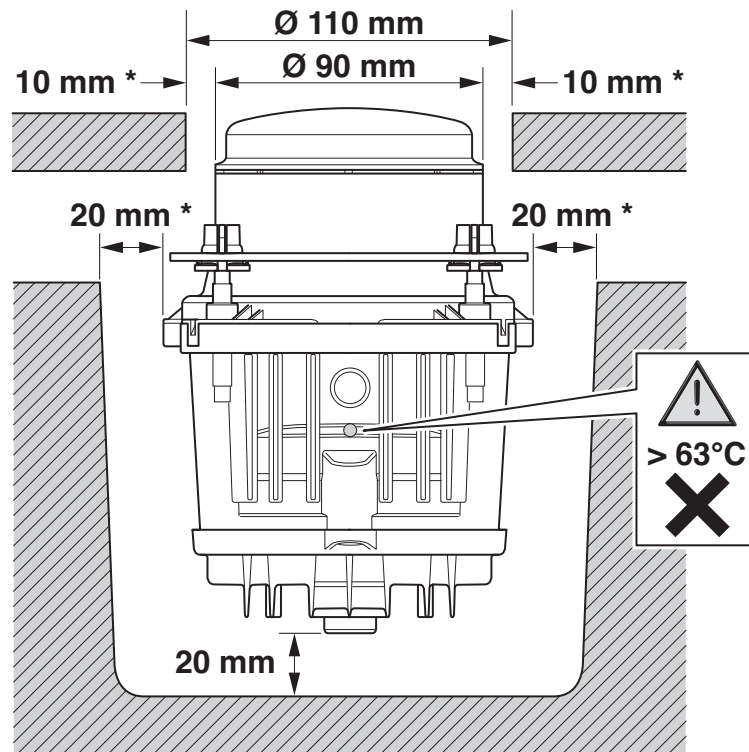
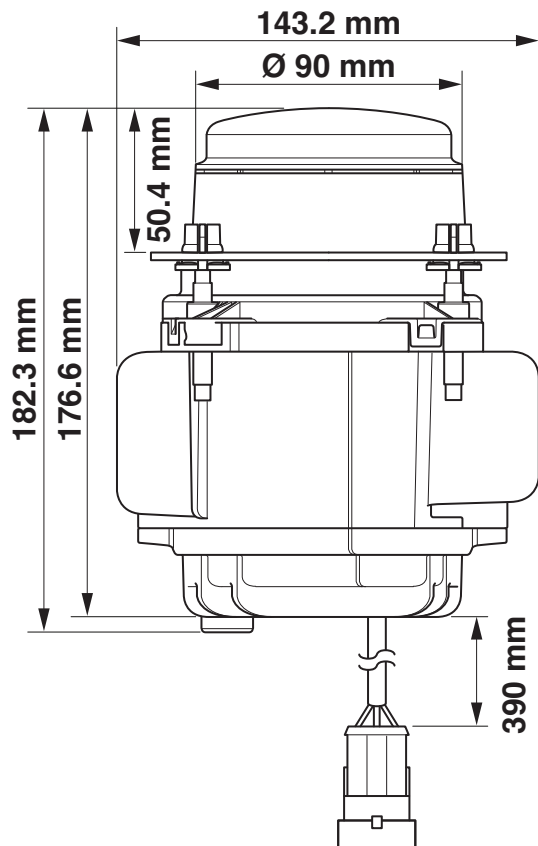
Torx 20



Montage
Mounting
Montage Général

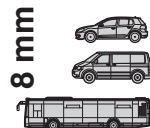
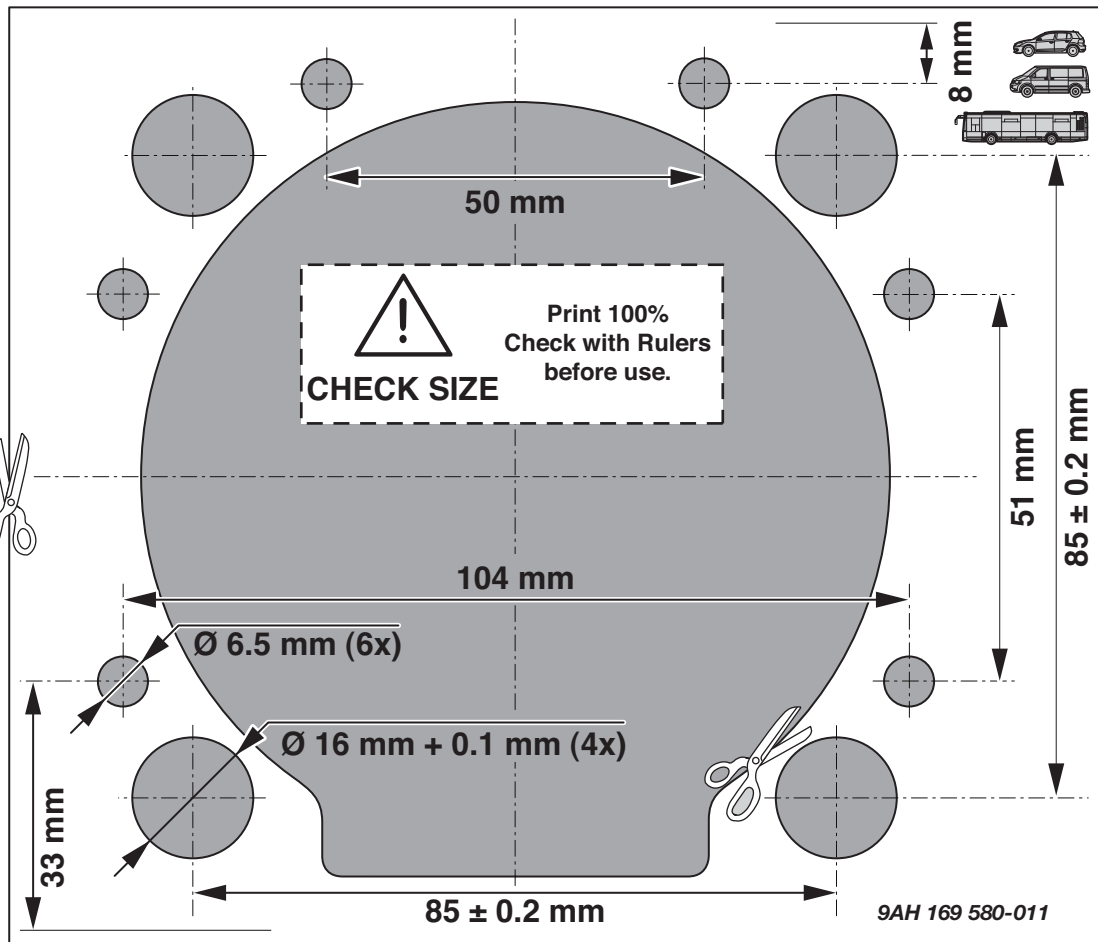
Montering
Montage
Montaje

Montaggio
Asennus

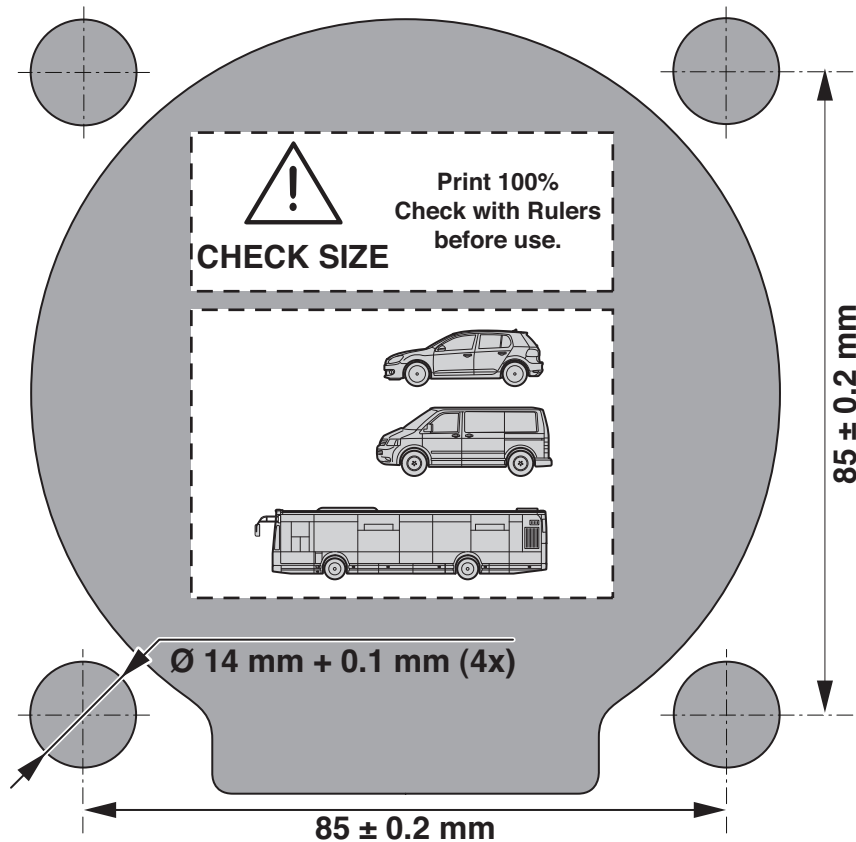
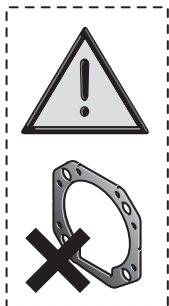


* ➔ 31, 32

1:1



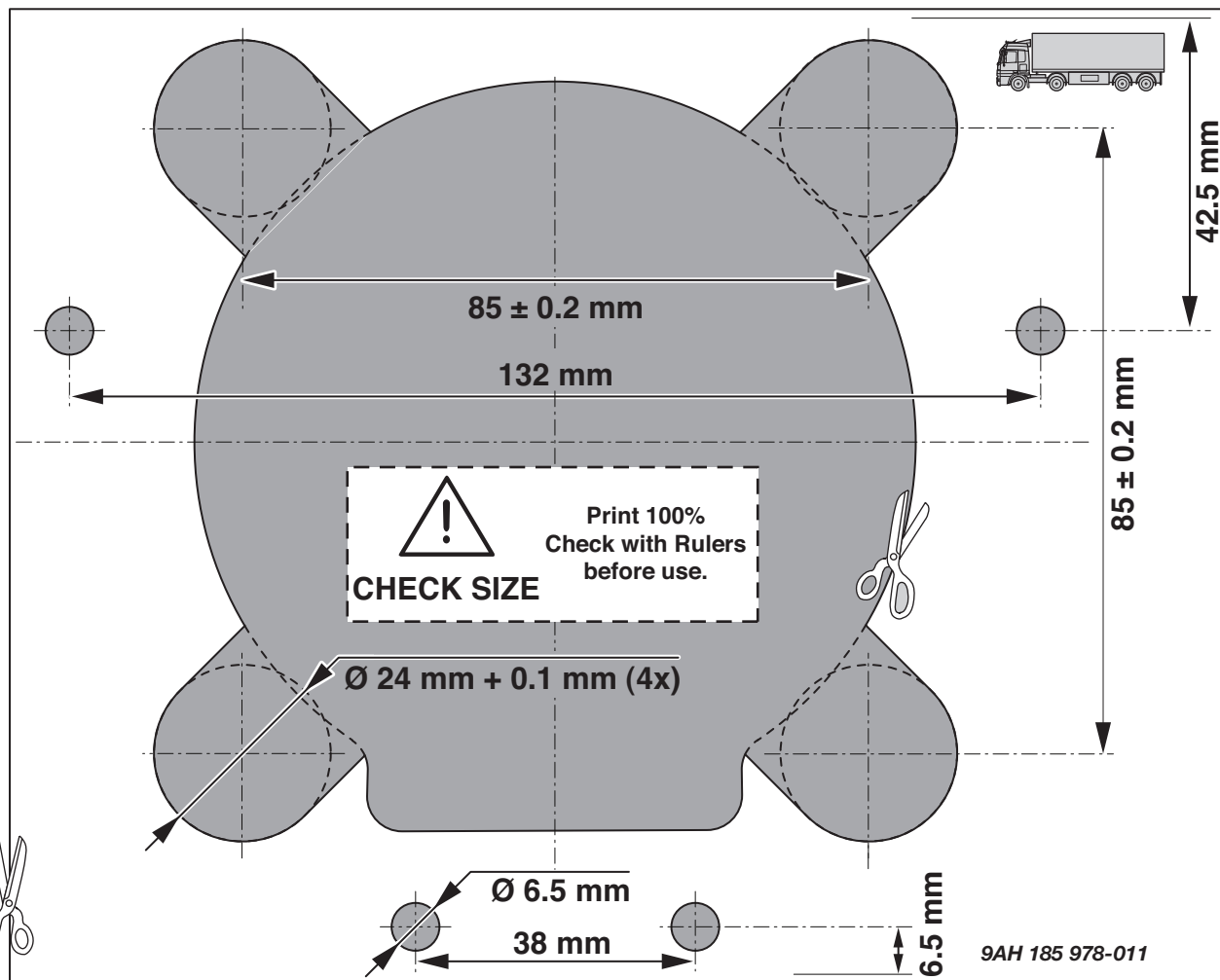
1:1



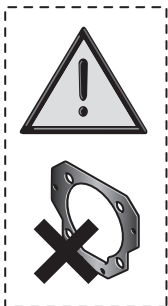
1:1



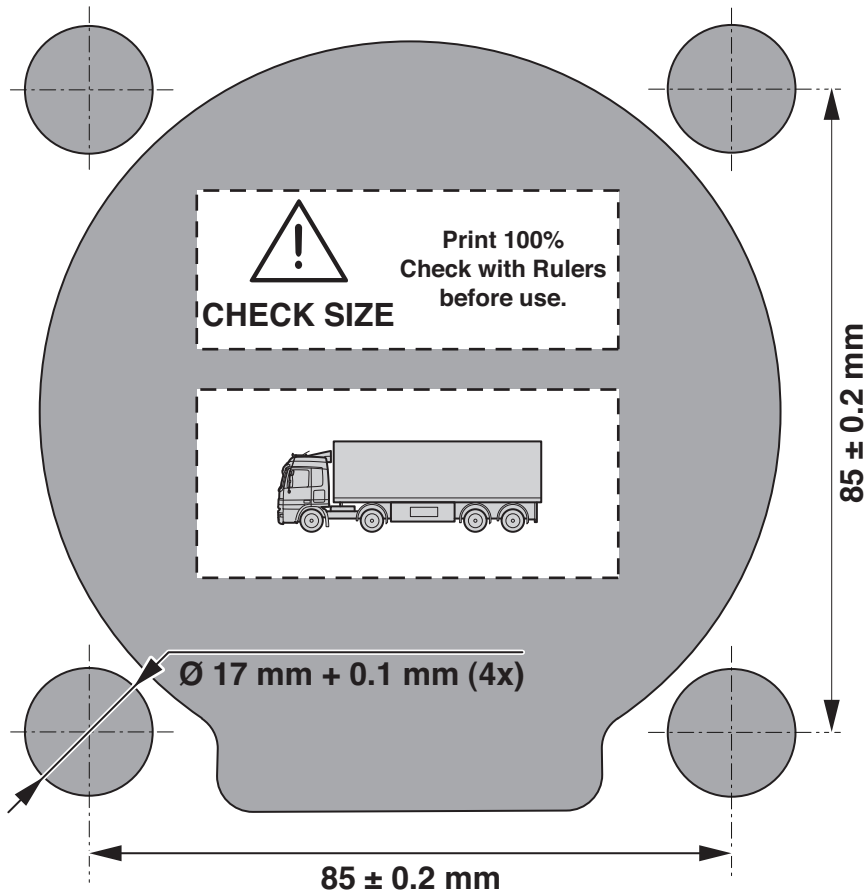
10



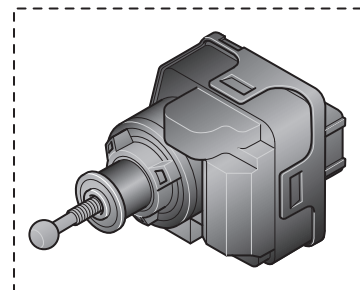
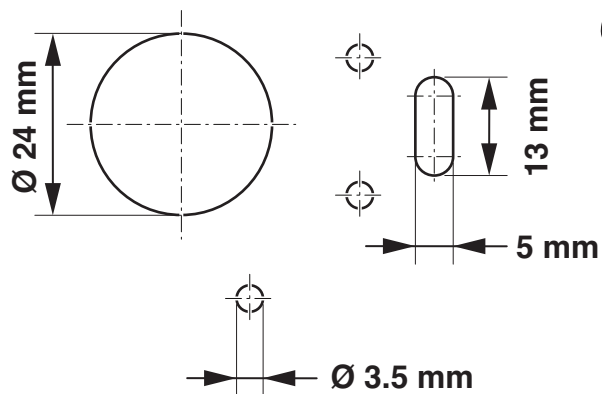
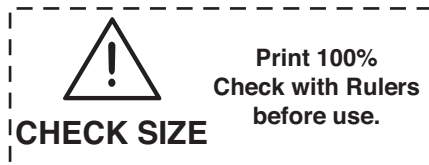
1:1

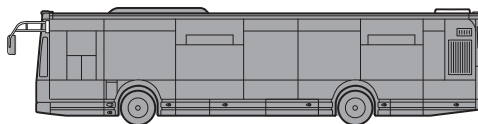
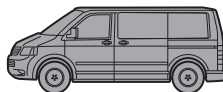
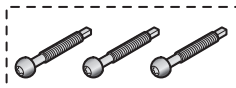
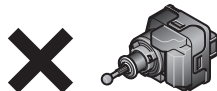
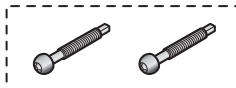
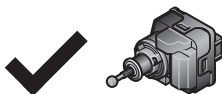


11

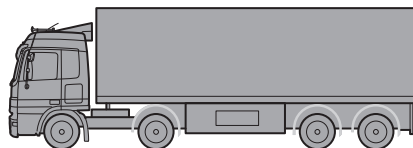


1:1

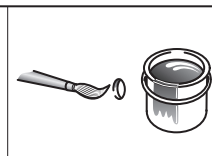
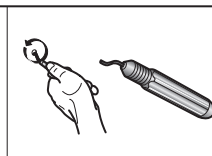
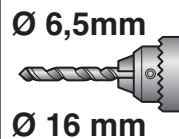
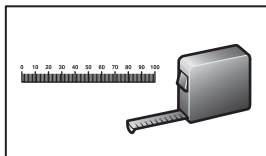
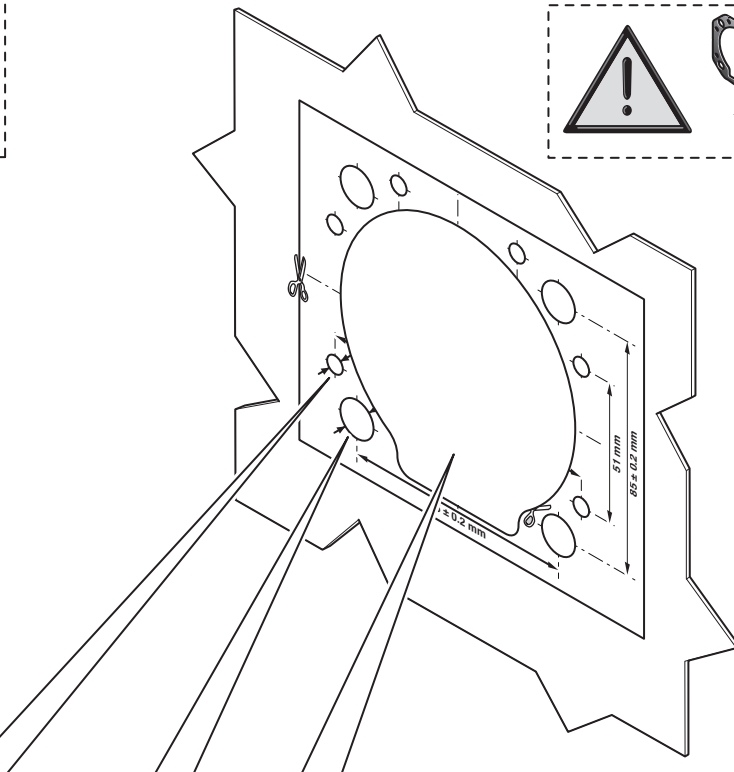
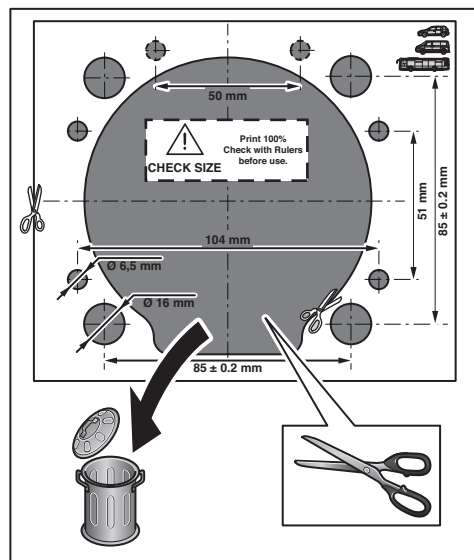
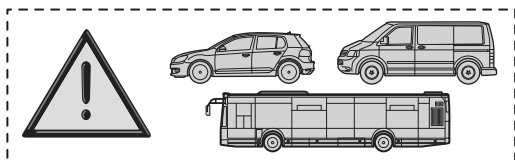


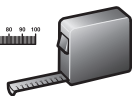
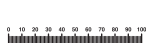
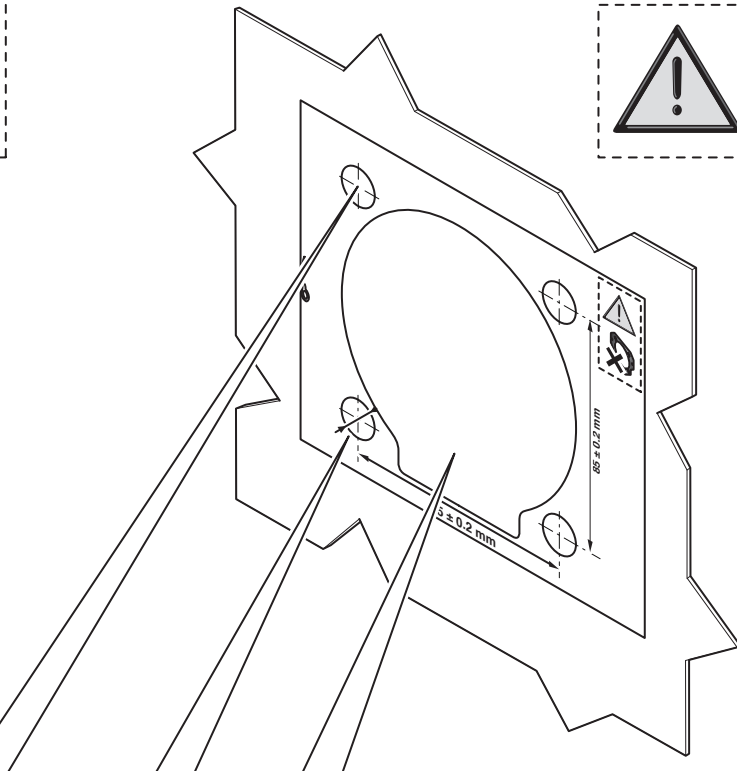
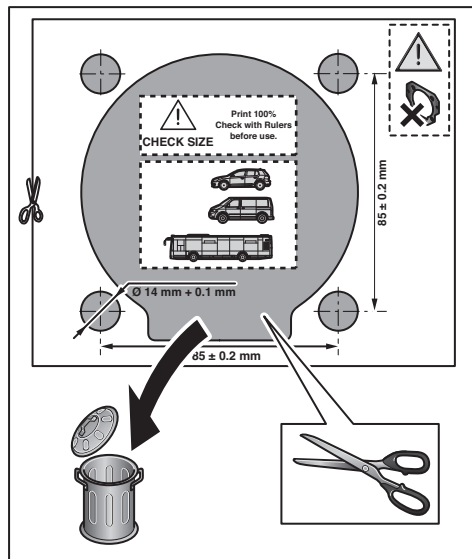
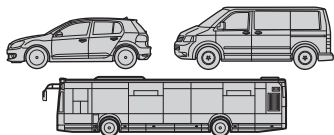


➔ **14 - 18**



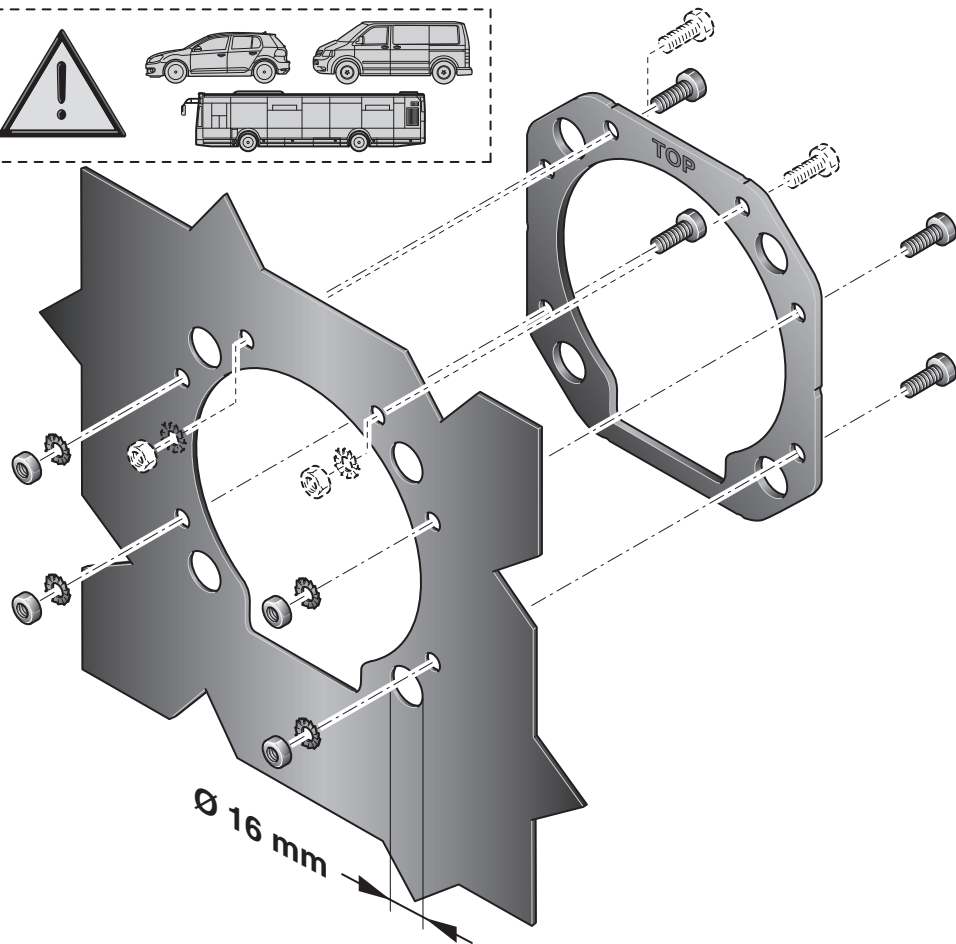
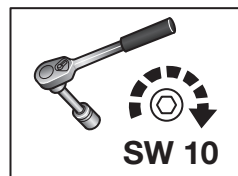
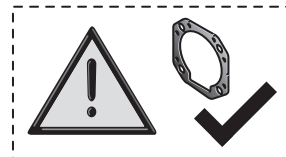
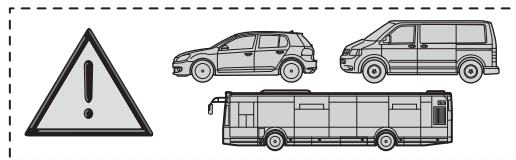
➔ **19 - 23**

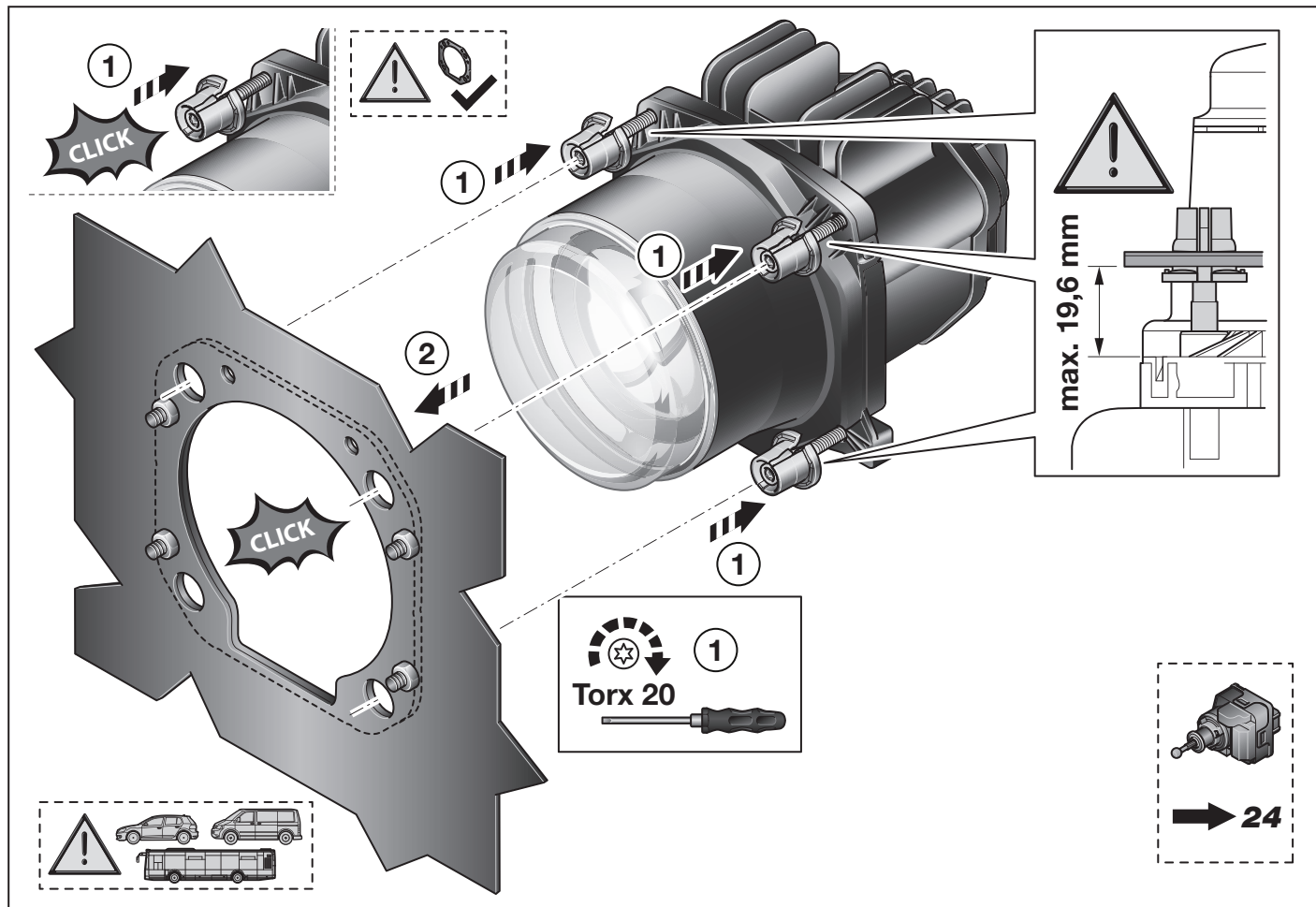


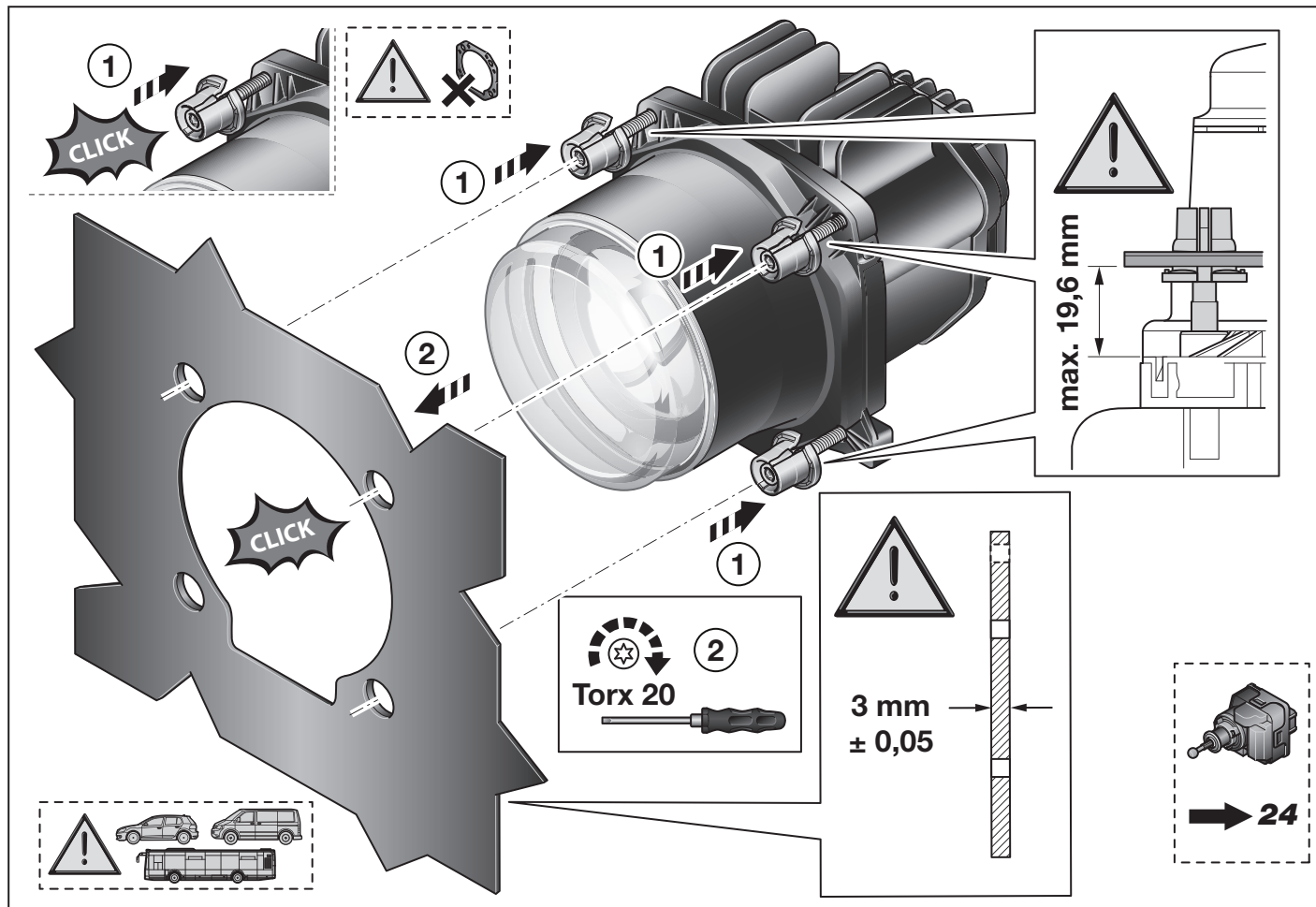


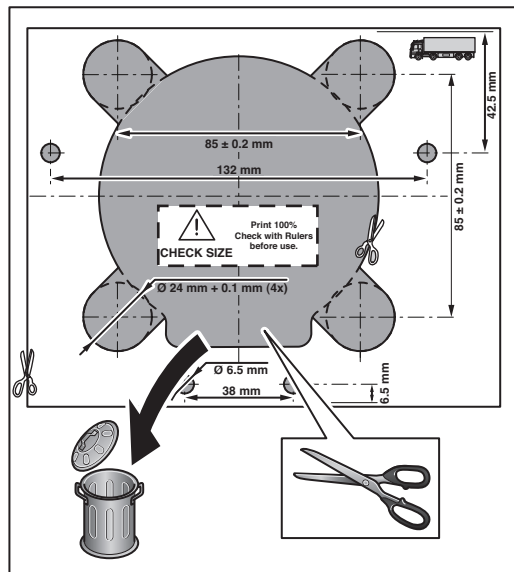
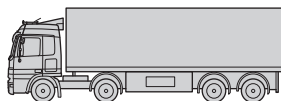
$\varnothing 14 \text{ mm}$
 $+ 0.1 \text{ mm}$









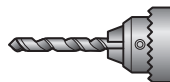
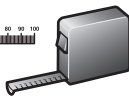
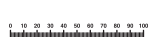
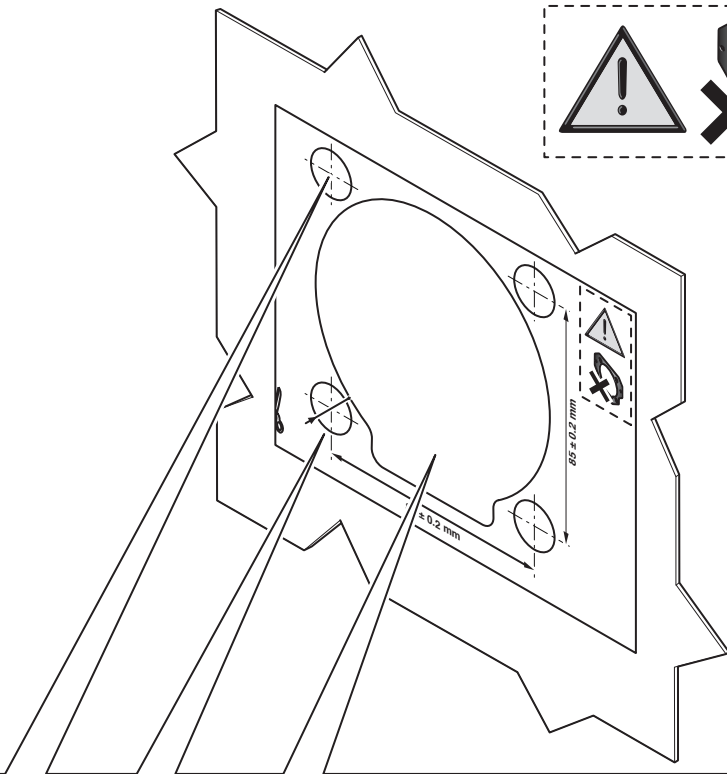
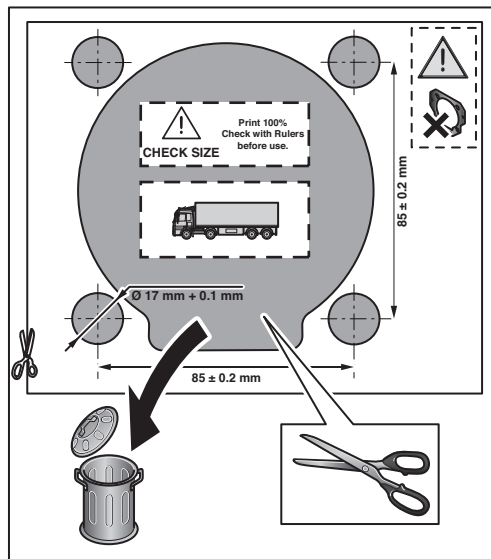
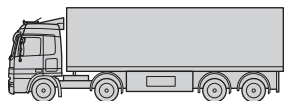


Ø 6,5mm



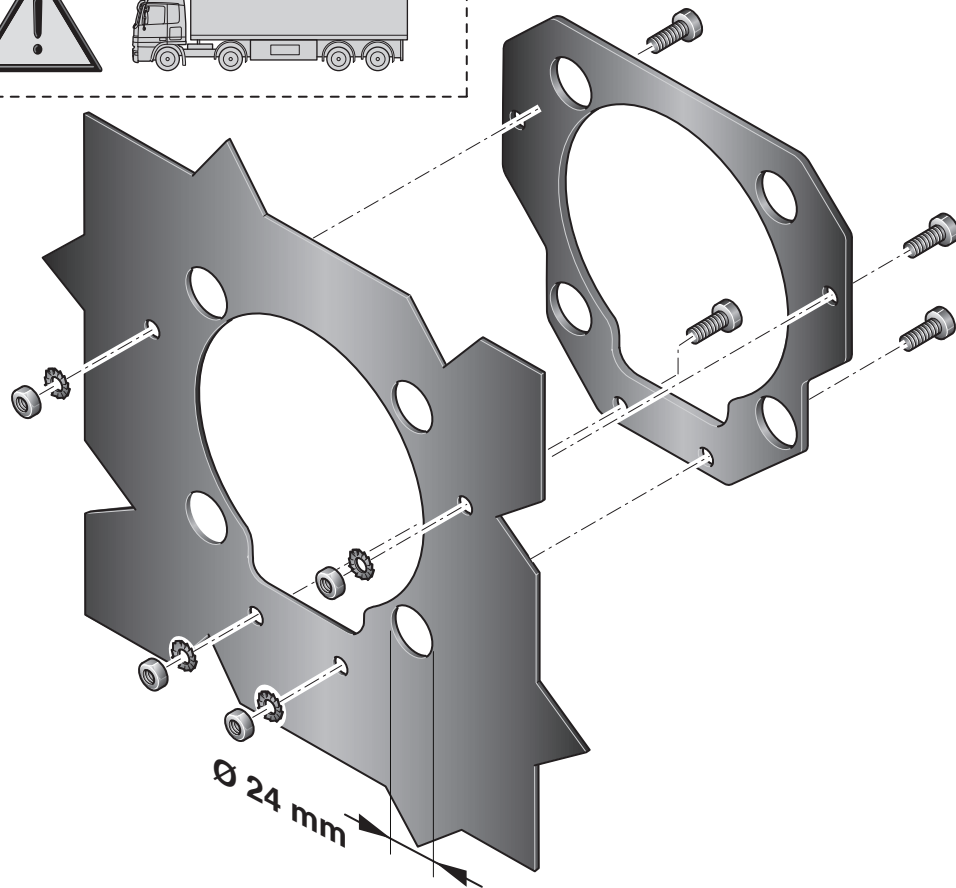
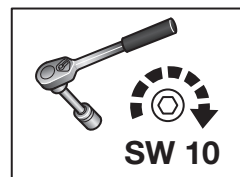
Ø 24 mm

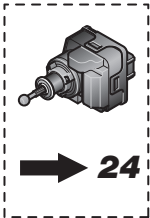


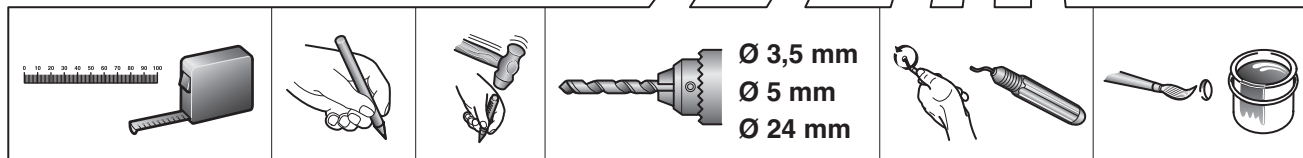
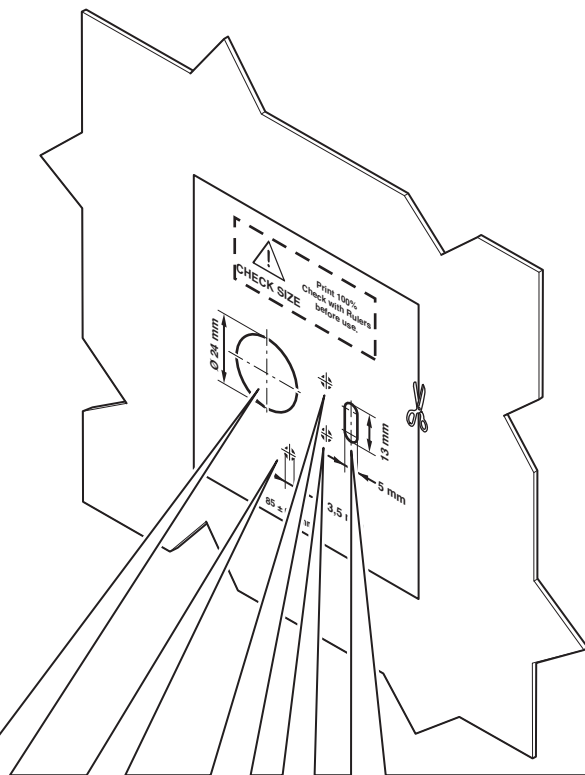
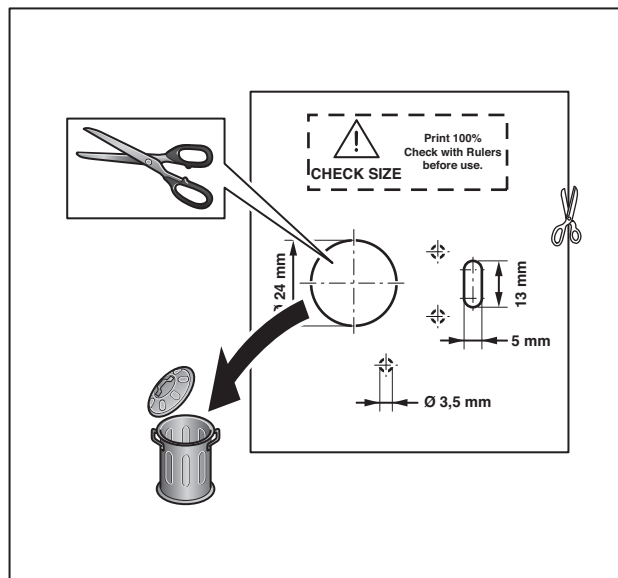


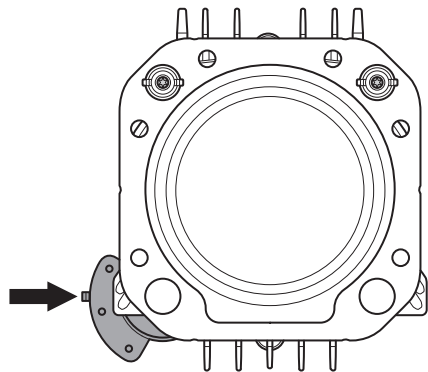
$\text{Ø } 17 \text{ mm}$



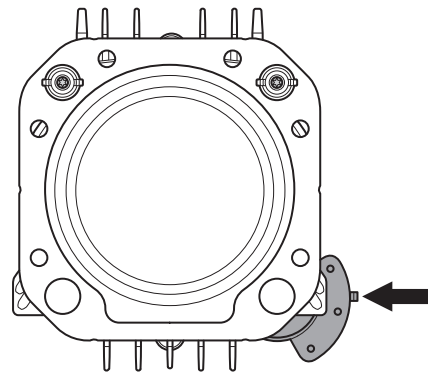
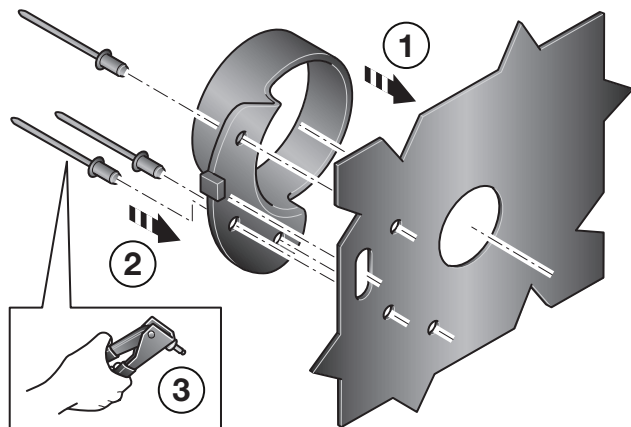




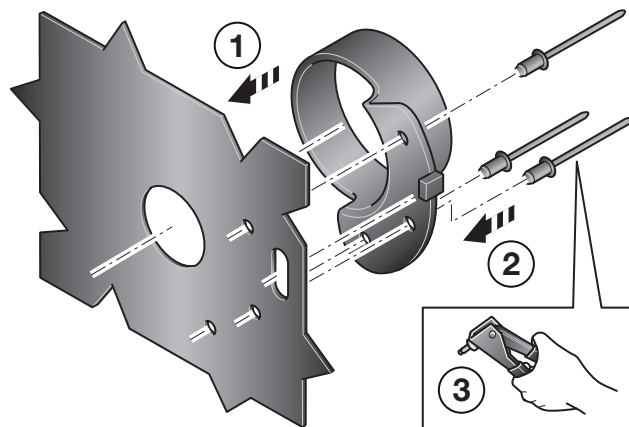


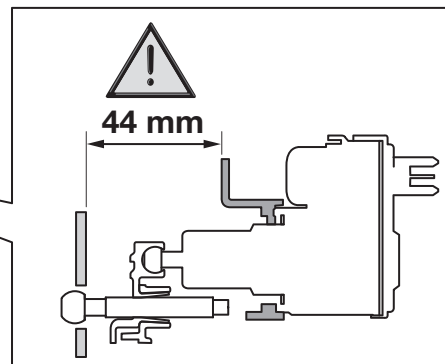
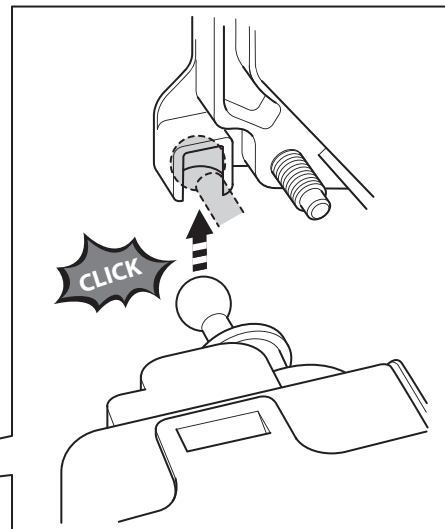
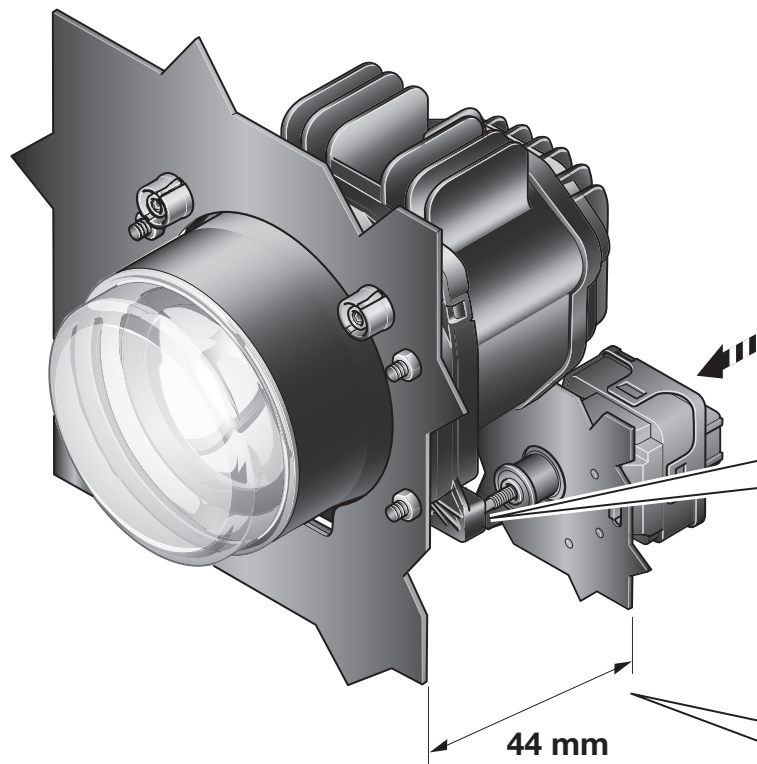


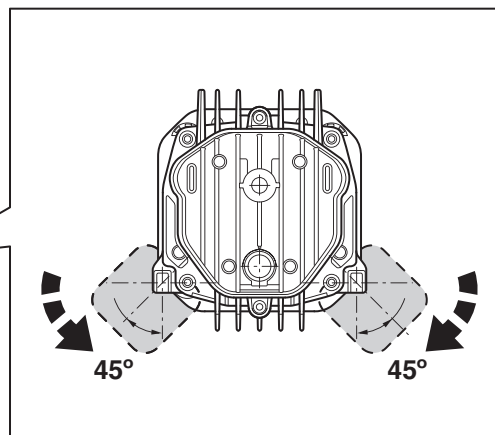
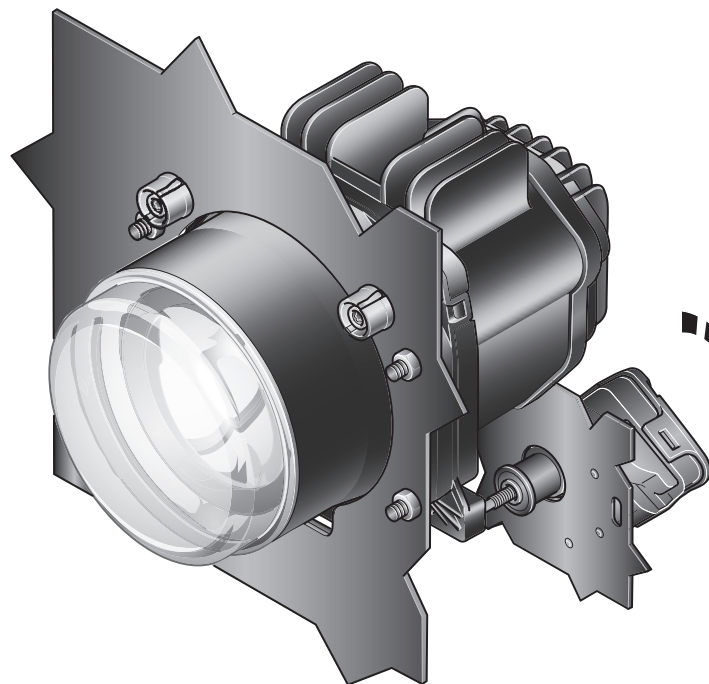
8HG 138 620-007

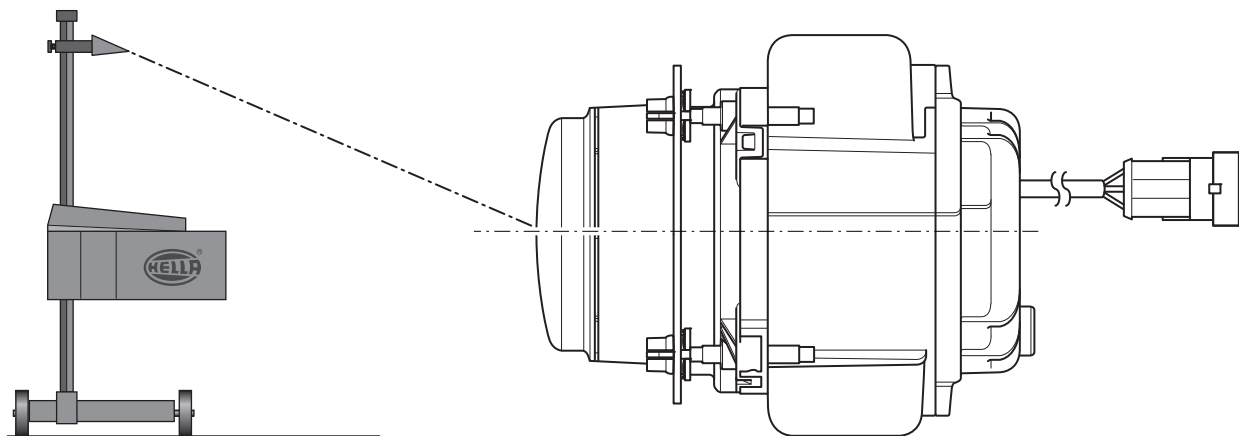
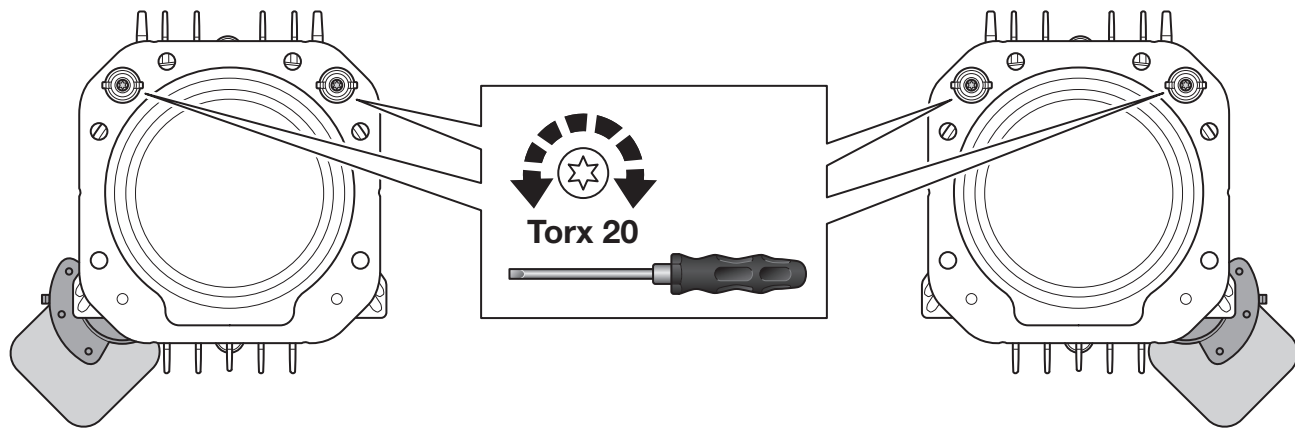


8HG 138 619-007





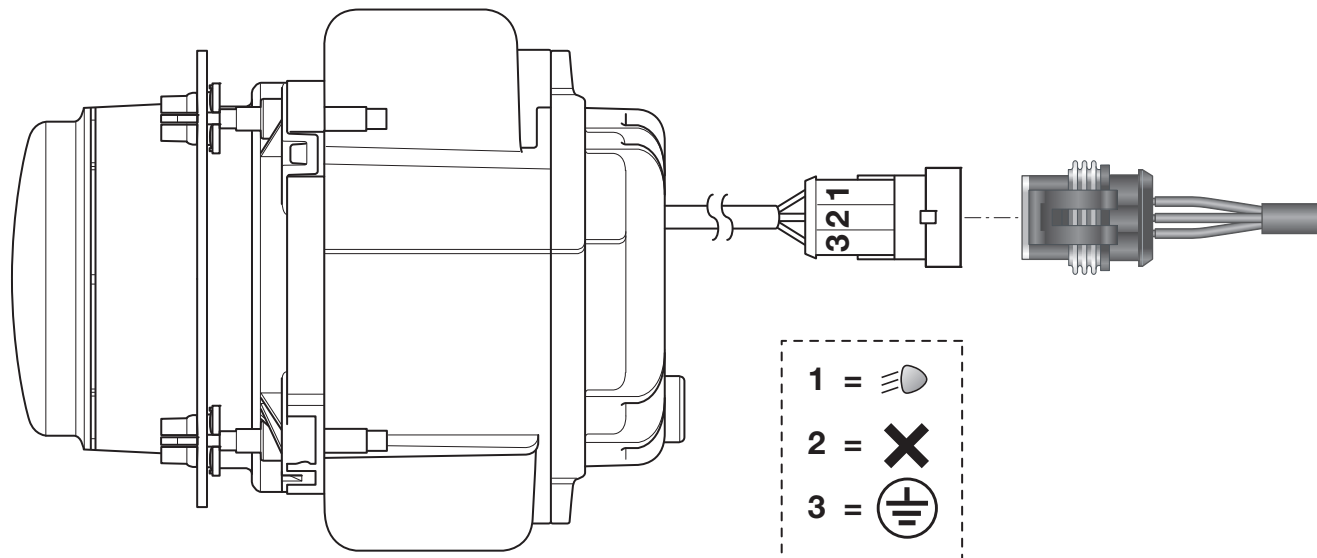




Elektrischer Anschluss
Electrical connection
Branchement électrique

Elektrisk anslutning
Elektrische aansluiting
Conexión eléctrica

Collegamento elettrico
Osaluettelo



DE Informationstext	31
EN Information Text	31
FR Texte d'information	31
SV Informationstext	31
NL Informatie tekst	31
ES Texto informativo	31
IT Informazioni	32
FI Ohjetekstit	32

DE DEUTSCH

Abblendlicht: max. 35 W
 Sicherung: 5 A
 Betriebsspannung: 12-32 V
 Max. Umgebungstemperatur: +50°C

Die im Geltungsbereich der ECE R48 gesetzlich geforderte Ausfallkontrolle für den LED Scheinwerfer ist im Fahrzeug durch geeignete Maßnahmen sicherzustellen.

* Das Maß muss umlaufend um das Modul eingehalten werden.

FR FRANÇAIS

Feux de croisement: max. 35 W
 Fusible: 5 A
 Tension de service: 12-32 V
 Température max. de l'air ambiant: +50°C

La norme ECE R48 impose le montage d'un témoin de panne dans le véhicule lors de l'installation de projecteurs à DEL. Prendre les dispositions nécessaires pour satisfaire à la norme.

* La dimension doit correspondre à la périphérie du module.

NL NEDERLANDS

Dimlicht: max. 35 W
 Zekering: 5 A
 Bedrijfsspanning: 12-32 V
 Max. omgevingstemperatuur: +50°C

De in het toepassingsbereik van de ECE R48 wettelijk vereiste uitvalcontrole voor de LED koplamp dient in het voertuig door de juiste maatregelen te worden gewaarborgd.

* De maat moet rondom de module worden aangehouden.

EN ENGLISH

Low Beam: max. 35 W
 Fuse: 5 A
 Operating Voltage: 12-32 V
 Max. ambient temperature: +50°C

The legally required failure indicator stipulated in the ECE R48 regulation for the LED headlights is to be mounted in the vehicle. Take the necessary precautions in order that these regulations are met.

* The gauge must be kept circulating around the module.

SV SVENSKA

Halvljus: max. 35 W
 Säkring: 5 A
 Driftspänning: 12-32 V
 Max. omgivningstemperatur: +50°C

Den felkontroll som lagen kräver för området ECE R48 för LED-strålkastare ska säkerställas i fordonet genom lämpliga åtgärder.

* Värdet måste hållas konstant för hela modulen.

ES ESPAÑOL

Luz de cruce: max. 35 W
 Fusible: 5 A
 Tensión de régimen: 12-32 V
 Temperatura ambiente máx.: +50°C

El control de fallos que exige la ley dentro del ámbito de aplicación de la normativa ECE R48 para los faros de LED queda garantizado en el vehículo con las medidas adecuadas.

* Las dimensiones deben ajustarse al perímetro del módulo.

IT ITALIANO

Proiettore anabbagliante: max. 35 W
Fusibile: 5 A
Tensione di funzionamento: 12-32 V
Temperatura ambiente max.: + 50 °C

Il controllo dei guasti prescritto per legge nell'ambito di applicazione della norma ECE R48 per il fanale a LED deve essere garantito sul veicolo mediante adeguati provvedimenti.

* La misura deve essere rispettata sull'intero perimetro del modulo.

FI SUOMI

Läihävalot: enint. 35 W
Sulake: 5 A
Käyttöjännite: 12-32 V
Ympäristön enimmäislämpötila: + 50 °C

ECE R48 -standardin voimassaoloalueella lakisääteinen LED-valonheittimien toimintahäiriön valvonta on varmistettava ajoneuvoissa sopivien toimenpiteiden avulla.

* Arvoa on noudatettava moduulin ympärillä.

DE Beleuchtungsanlage auf einwandfreie Funktion hin prüfen

EN Check that the lighting system is working perfectly

FR Contrôler le bon fonctionnement de l'installation d'éclairage

SV Kontrollera att ljussystemet fungerar felfritt

NL Controleer of de verlichting goed functioneert

ES Comprobar que el sistema de iluminación funciona impecablemente

IT Controllare la perfetta funzionalità dell'impianto di illuminazione

FI Tarkasta valaistusjärjestelmän toiminta

DE Bei Fragen oder Einbauproblemen, rufen Sie bitte den HELLA Kundendienst, Großhändler an oder wenden Sie sich an Ihre Werkstatt.

EN If you have questions or installation problems, please call the HELLA Service, wholesaler, or turn to your garage.

FR Pour toutes questions ou problèmes de montage, merci de contacter le service après-vente HELLA, votre distributeur ou votre garage.

SV Vid frågor eller monteringsproblem, kontakta Hellas kundtjänst, återförsäljaren eller din verkstad.

NL In geval van vragen of montageproblemen verzoeken wij u contact met de HELLA-klantenservice, de groothandel of uw dealer op te nemen.

ES En caso de dudas o problemas de montaje, por favor, llame al Servicio postventa de Hella o al mayorista, o bien diríjase a su taller.

IT Per qualsiasi domanda o problemi di montaggio si prega di contattare il servizio assistenza o il proprio grossista HELLA oppure di rivolgersi alla propria officina.

FI Jos sinulla on kysymyksiä tai asennusongelmia, soita HELLA-asiakaspalvelulle tai tukkuliikkeelle tai käänny korjaamon puoleen.

