

Adaptivt stoplys | HELLA

Generelt "Adaptivt stoplys", også kaldet "Aktivt stoplys" og "Dynamisk stoplys", er allerede integreret på mange moderne biler som en ekstra sikkerhedsfunktion. Denne adaptive stoplysfunktion skaber større opmærksomhed blandt andre trafikanter og reducerer risikoen for harmonikasammenstød. Funktion Når føreren under kørslen foretager en „normal“ opbremsning, som det forekommer i trafikken, lyser stoplygterne på normal måde. Hvis der imidlertid foretages en katastrofeopbremsning fra en hastighed over 50 km/t, aktiverer styreenheden det adaptive stoplys for at advare de bagvedkørende trafikanter om den risikable situation. Alt efter bilmærke og risikosituation kan følgende funktioner blive aktiveret: Stoplyset blinker hurtigt Det lysende areal for stoplyset forstørres Havariblinket tændes, når bilen holder stille Registrering af katastrofeopbremsning Styreenheden har brug for følgende basisinformationer for at udløse nødsignalet: Trykket på bremsepedalen Bremsepedalens hastighed Kørehastigheden Retardationen Information om ABS/ESP-indgreb Samtidig kan der alt efter bilens udstyr tillige inddrages sensor-informationer fra regnsensor, lyssensor og synsviddesensor.

The "adaptive stop light," which is also known as an "active stop light" or "dynamic stop light," is already built into many modern vehicles as an additional safety function.

This adaptive stop light function increases the awareness of other road users and reduces the risk of a rear-end collision.

Function

If the driver performs a "normal" braking operation during driving as a response to the traffic situation, the stop lights light up as normal. However, if emergency braking is performed at a speed of over 50km/h, the control unit activates the adaptive stop light in order to warn drivers behind the vehicle of the danger. Depending on the vehicle manufacturer and driving situation, the following functions can be activated:

- Stop light flashes fast
- Visible, illuminated brake light area increases
- Hazard warning light switches on when vehicle comes to a standstill

Emergency braking detection

In order to trigger an emergency signal, the control unit needs the following basic information:

- Brake pedal pressure
- Brake pedal speed
- Vehicle speed
- Vehicle deceleration
- ABS/ESP control information

Depending on the features of the vehicle, the sensor information from the rain sensor, brightness sensor and visibility sensor may also come into play.

Important safety note

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