

**Camera Installation**

See OnLaneALERT™ Lane Departure Warning (LDW) System Maintenance Manual MM-1814 for detailed installation instructions.

**Harness Connector Pin Assignment**

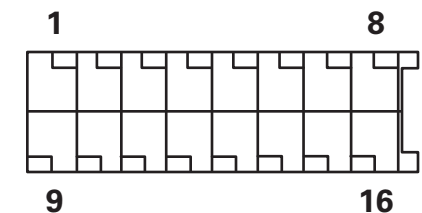
Pin #	Signal Name	Pin #	Signal Name
1	Key 30 (Battery)	9	Left Turn Signal
2	Key 31 (Ground)	10	Right Turn Signal
3	Key 15 (Ignition)	11	Status Lamp
4	CAN J1939 High	12	Enabled Lamp/Radio Mute
5	CAN J1939 Low	13	Left Speaker +
6	Private CAN High	14	Left Speaker – /Left Haptic
7	Private CAN Low	15	Right Speaker +
8	Switch Input	16	Right Speaker – /Right Haptic

**Bracket Installation**

**CAUTION:** Do not install the bracket if the surface temperature of the windshield glass is less than 60°F.

**NOTE:** Prior to installing the bracket, ensure that the windshield glass surface temperature ranges between 70° and 100°F.

- 1) The windshield should be cleaned with a 50/50 mixture of isopropyl alcohol and water prior to applying the 3M VHB 4991B tape.
- 2) The windshield surface should be dry and free of condensed moisture. A Silane promoter can also be used to improve adhesion.
- 3) Ideal application temperature for the tape ranges from 21°C to 38°C. Minimum suggested application temperature is 15°C.
- 4) If required, the tape (attached to the bracket) could be warmed up to the ideal temperature range before applying it to the windshield. This may help to obtain full contact between the tape and the windshield.
- 5) Once the bracket is located in its installation position, the bracket shall be gently pressed to the glass surface to increase adhesion. Pressure up to 30N/cm<sup>2</sup> (related to adhesive tape area) can be applied but care has to be taken that only the flat surface of the bracket is pressed (not the area with snaps or air flow ridges). The recommended pressure is 10N/cm<sup>2</sup> (related to the area of adhesive tape). The bracket needs to be pressed to the windshield for 5 seconds before releasing the pressure again to achieve good contact. Repeat this step across all area of contact to avoid formation of any air gaps. A secondary check should be done by viewing from outside the windshield to ensure full contact between the adhesive tape and the windshield is established.
- 6) The installation tolerances of the bracket are:
  - a. Height = ±0.1m
  - b. Offset = ±0.1m



**WABCO**

**OnLaneALERT™ Installation Template**

PB 579, KWT680, PB 567 and KWT880  
One-Piece Windshield