

AUDI FPK2+ HW

COMPARISON OF INSTRUMENT CLUSTER MODEL: AUDI FPK GEN2 +

VARIANTS: Q2 AND Q3

Comparison of FPK2+ Q2 and Q3 for country approvals

Base Units for the comparison:

- ▶ FPK2+ Q2: Model "Audi FPK Gen2 +"



- ▶ FPK2+ Q3: Model "Audi FPK Gen2 +"



Comparison of FPK2+ Q2 and Q3 for country approvals

Similarities between the units Q2 and Q3:

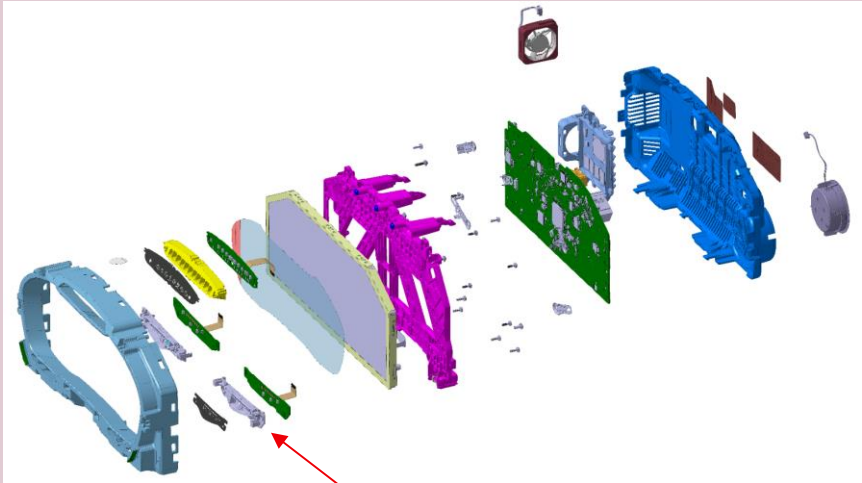
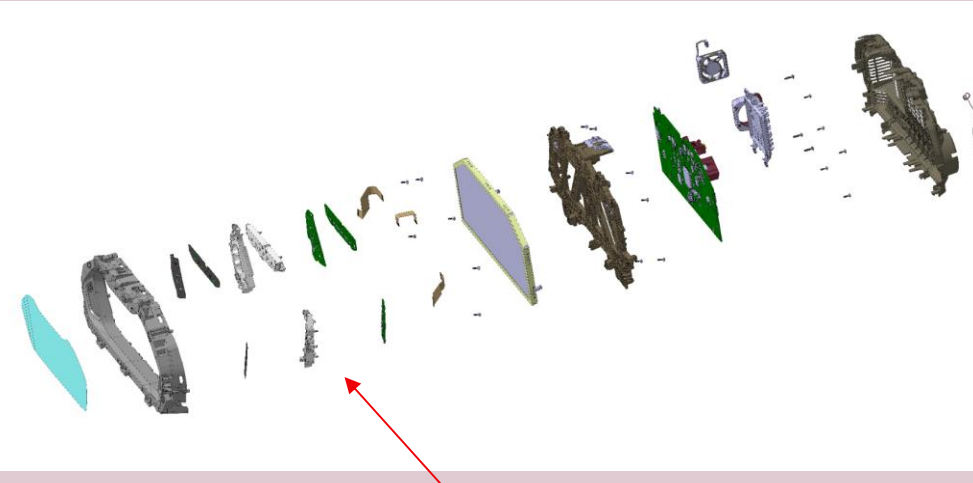
- ▶ Main board circuit diagram and layout is identical within Q2 and within Q3 units
- ▶ Unchanged immobilizer module LRES is used in both units
- ▶ design circuit boards (DLP) circuit diagram is exactly the same
- ▶ Software is identical
- ▶ design circuit boards (DLP) PCB layer stack is exactly the same

Differences between the units Q2 and Q3:

- ▶ Insertion of main PCB according required variant
 - ▶ Insertion of connector for DLP left and right (Fuel and Temp) is different because different arrangement
- ▶ arrangement of the design circuit boards (LED) is different
- ▶ design circuit boards (DLP) layout is similar

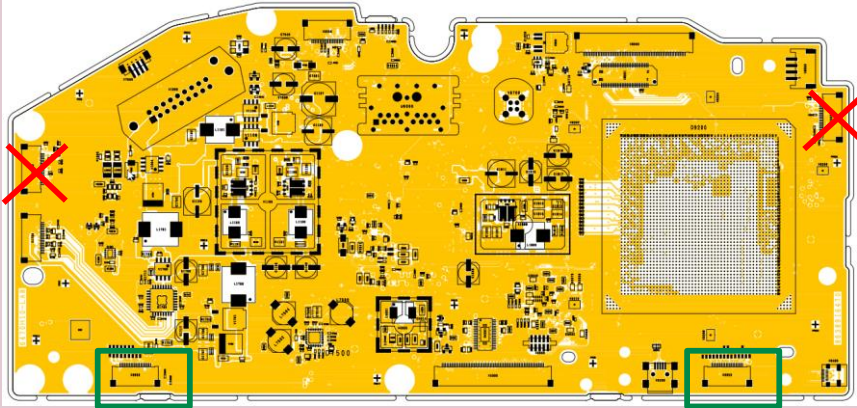
Comparison of FPK2+ Q2 and Q3 for country approvals

Comparison of cluster design:

| Unit | Q2 | Q3 |
|----------------|--|--|
| Explosion view |  An exploded view of the Q2 cluster design. The components are arranged in a lower, more compact area. A red arrow points to a specific component in the lower area. | |
| | arrangement of the design circuit boards in the lower area |  An exploded view of the Q3 cluster design. The components are arranged in a lateral, more spread-out area. A red arrow points to a specific component in the lateral area. |
| | | arrangement of the design circuit boards in the lateral area |

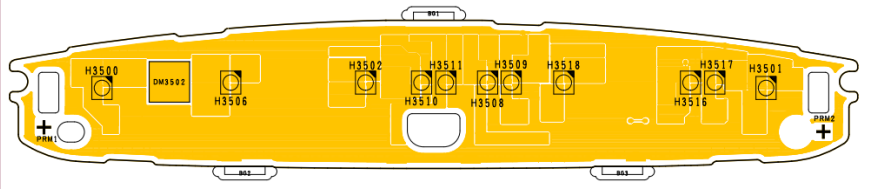
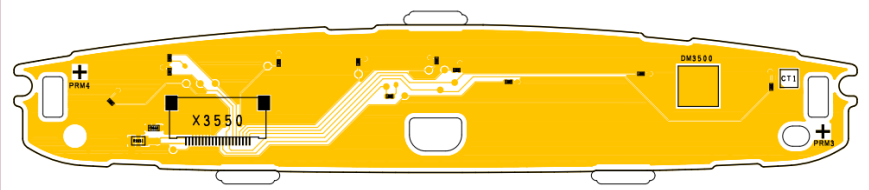
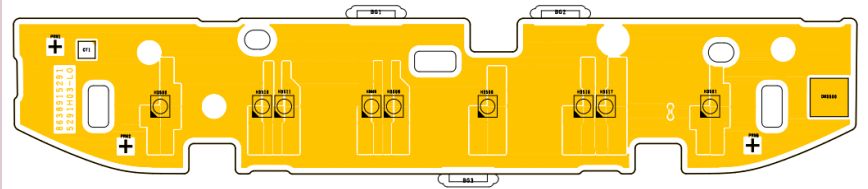
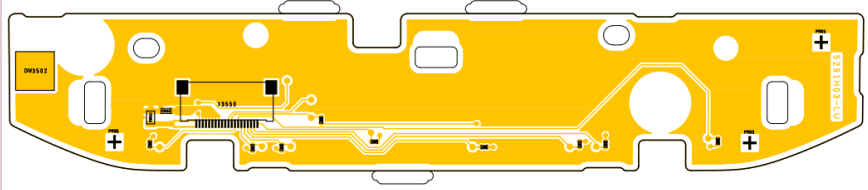
Comparison of FPK2+ Q2 and Q3 for country approvals

Comparison of main PCB main (only insertion):

| Unit | Q2 | Q3 |
|-----------------------------------|--|-----------------------------------|
| Main PCB Top |  The image shows the top view of a yellow PCB for unit Q2. It features a central square component with a grid of pins. There are two green rectangular boxes highlighting connector areas at the bottom of the board. Two red 'X' marks are placed on the left and right sides of the board, indicating differences or non-compliance. | |
| Different insertion of connectors | Different insertion of connectors | Different insertion of connectors |

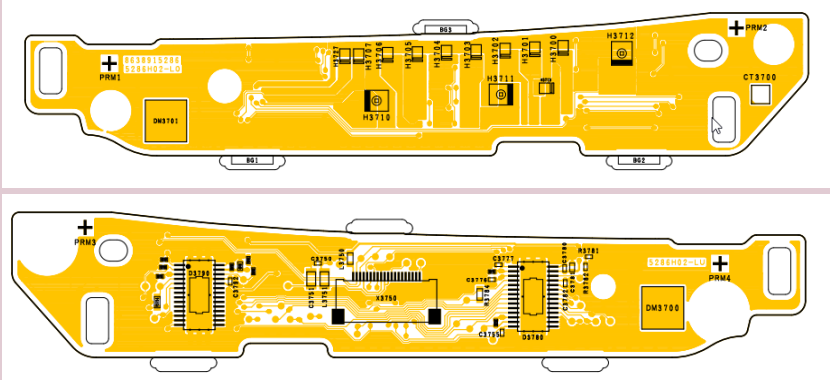
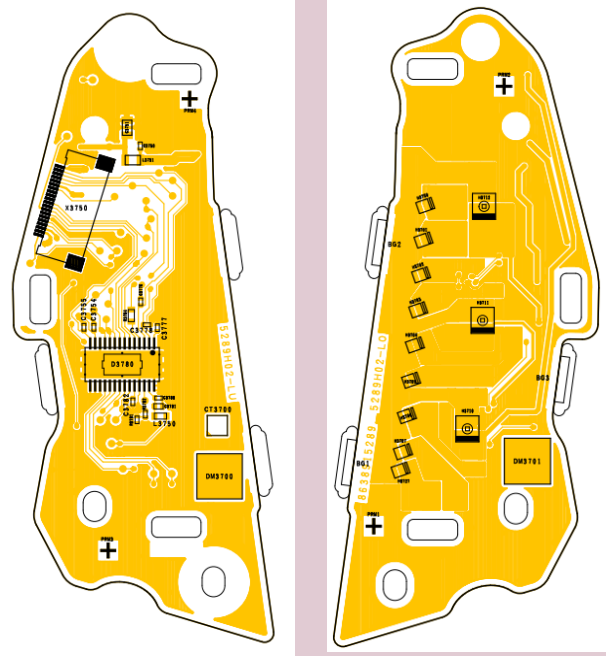
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Comparison of design PCBs “warning lamps”:

| Unit | Q2 | Q3 |
|--------|---|---|
| PCB WL |   |   |

Comparison of FPK2+ Q2 and Q3 for country approvals

Comparison of design PCBs "fuel":

| Unit | Q2 | Q3 |
|----------|--|--|
| PCB fuel |  |  |

Comparison of FPK2+ Q2 and Q3 for country approvals

Comparison of design PCBs "temp":

| Unit | Q2 | Q3 |
|----------|----|----|
| PCB temp | | |