



Kia Rio
Standard Safety Equipment

2017 ★★☆☆☆



Adult Occupant



85%

Child Occupant



84%

Pedestrian Impact Protection



62%

Safety Assist



25%

SPECIFICATION

| | |
|-------------------------------|----------------------|
| Tested Model | Kia Rio 1.2 GLS, LHD |
| Body Type | - 5 door hatchback |
| Year Of Publication | 2017 |
| Kerb Weight | 1040kg |
| VIN From Which Rating Applies | - all Rios |
| Class | Small Family Car |

SAFETY EQUIPMENT

| | Driver | Passenger | Rear |
|---------------------------------|--------|-----------|------|
| FRONTAL CRASH PROTECTION | | | |
| Frontal airbag | ● | ● | ✘ |
| Belt pretensioner | ● | ● | ● |
| Belt loadlimiter | ● | ● | ● |
| Knee airbag | ✘ | ✘ | ✘ |
| SIDE CRASH PROTECTION | | | |
| Side head airbag | ● | ● | ● |
| Side chest airbag | ● | ● | ✘ |
| Side pelvis airbag | ● | ● | ✘ |

Version 300419

SAFETY EQUIPMENT (NEXT)

| | Driver | Passenger | Rear |
|-----------------------|--------|-----------|------|
| CHILD PROTECTION | | | |
| Isofix | — | ✗ | ● |
| Integrated CRS | — | ✗ | ✗ |
| Airbag cut-off switch | — | ● | — |
| SAFETY ASSIST | | | |
| Seat Belt Reminder | ● | ● | ● |

| OTHER SYSTEMS | |
|-------------------------|---|
| Active Bonnet (Hood) | ✗ |
| AEB Pedestrian | ○ |
| AEB City | ○ |
| AEB Inter-Urban | ○ |
| Speed Assistance System | ○ |
| Lane Assist System | ○ |

Note: Other equipment may be available on the vehicle but was not considered in the test year.

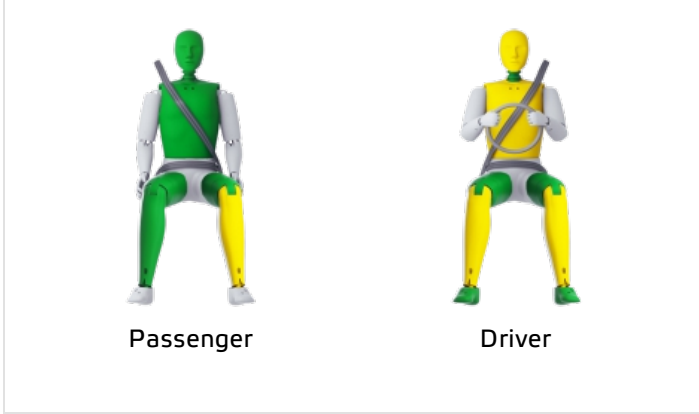
- Fitted to the vehicle as standard
 ○ Fitted to the vehicle as part of the safety pack
○ Not fitted to the test vehicle but available as option or as part of the safety pack
 ✗ Not available
 — Not applicable

 ADULT OCCUPANT

Total 32.5 Pts / 85%

 GOOD  ADEQUATE  MARGINAL  WEAK  POOR

Frontal Offset Deformable Barrier 6.8 Pts



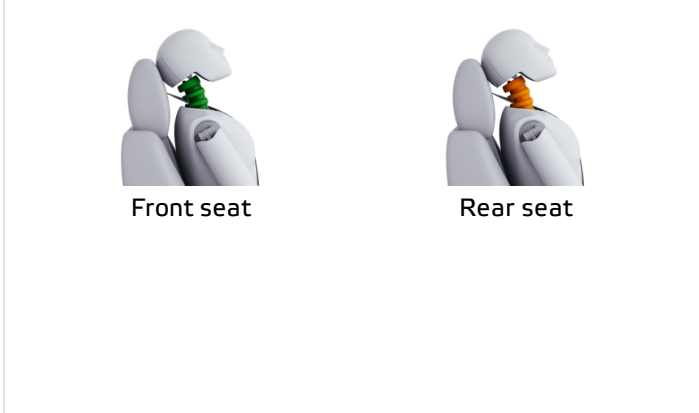
Passenger Driver

Frontal Full Width 7.6 Pts




Rear Passenger Driver

Whiplash Rear Impact 2 Pts




Front seat Rear seat

Lateral Impact 16 Pts



Car Pole

AEB City 0

Performance: 

 ADULT OCCUPANT

Total 32.5 Pts / 85%



| | | | | |
|--|--|--|--|--|
|  GOOD |  ADEQUATE |  MARGINAL |  WEAK |  POOR |
|--|--|--|--|--|

 ADULT OCCUPANT

Total 32.5 Pts / 85%

Comments

The passenger compartment remained stable in the frontal offset test. There was insufficient pressure in the driver's airbag to prevent the head from 'bottoming out' the airbag. Protection of the head was downgraded to adequate as a result. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Kia showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. In the full-width rigid barrier test, protection of critical body areas was good or adequate for the driver and rear passenger. In the side barrier test and in the more severe side pole impact, protection of all critical parts of the body was good and the Rio scored maximum points in these tests. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision while a geometric assessment of the rear seats indicated marginal whiplash protection. The Rio has, as part of its optional safety pack, an autonomous emergency braking system but the results of those tests are not included in this rating.

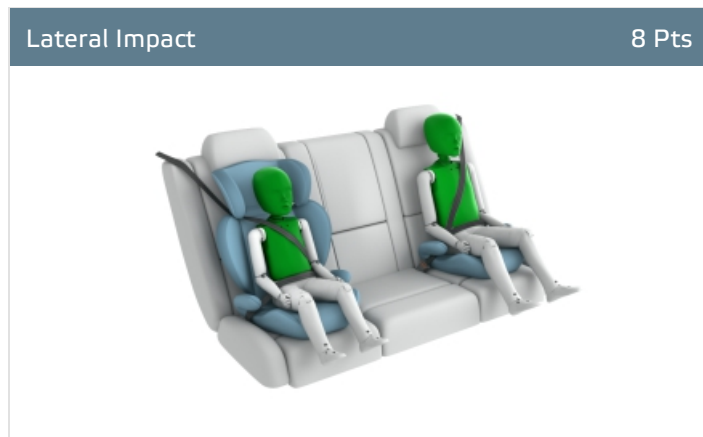
CHILD OCCUPANT

Total 41.2 Pts / 84%

GOOD ADEQUATE MARGINAL WEAK POOR

Crash Test Performance based on 6 & 10 year old children

22.4 Pts



Restraint for 6 year old child: *Britax Römer KidFix II XP*

Restraint for 10 year old child: *Graco Junior III*

Safety Features

7 Pts

| | Front Passenger | 2nd row outboard | 2nd row center |
|----------------|-----------------|------------------|----------------|
| Isofix | ✗ | ● | ✗ |
| i-Size | ✗ | ● | ✗ |
| Integrated CRS | ✗ | ✗ | ✗ |

● Fitted to test car as standard ○ Not on test car but available as option ✗ Not available

CRS Installation Check

11.8 Pts

● Install without problem ○ Install with care ● Safety critical problem ✗ Installation not allowed

■ i-Size CRS



CHILD OCCUPANT

Total 41.2 Pts / 84%

■ **ISOFIX CRS**

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)



■ **Universal Belted CRS**

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



CHILD OCCUPANT

Total 41.2 Pts / 84%

| | Seat Position | | | |
|---|---------------|---------|--------|-------|
| | Front | 2nd row | | |
| | PASSENGER | LEFT | CENTER | RIGHT |
| Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize) | □ | ● | □ | ● |
| Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize) | □ | ● | □ | ● |
| BeSafe iZi Kid X2 i-Size (iSize) | □ | ● | □ | ● |
| Maxi Cosi Cabriofix & FamilyFix (ISOFIX) | □ | ● | □ | ● |
| BeSafe iZi Kid X4 ISOfix (ISOFIX) | □ | ● | □ | ● |
| Britax Römer Duo Plus (ISOFIX) | □ | ● | □ | ● |
| Britax Römer KidFix XP (ISOFIX) | □ | ● | □ | ● |
| Maxi Cosi Cabriofix (Belt) | ● | ● | ● | ● |
| Maxi Cosi Cabriofix & EasyBase2 (Belt) | ● | ● | ✘ | ● |
| Britax Römer King II LS (Belt) | ● | ● | ● | ● |
| Britax Römer KidFix XP (Belt) | ● | ● | ● | ● |

● Install without problem
 ● Install with care
 ● Safety critical problem
 ✘ Installation not allowed

Comments

In the frontal offset test, protection of the chest of the 6 year dummy was rated as marginal, based on dummy readings of chest decelerations. Otherwise, protection of the 6 and 10 year dummies was good or adequate. In the side barrier test, protection of both dummies was good. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. All of the restraint types for which the Rio is designed could be properly installed and accommodated in the car with the exception of the Group II/III universal restraint which was unstable in the rear centre position.

PEDESTRIAN IMPACT PROTECTION

Total 26.0 Pts / 62%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

| | | | | | | | |
|------------------------------|---|-------------|--------|---------------|-------|------------|-------|
| Pedestrian Impact Protection | 26 Pts | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Head Impact</td> <td style="text-align: right; padding: 5px;">14 Pts</td> </tr> <tr> <td style="padding: 5px;">Pelvis Impact</td> <td style="text-align: right; padding: 5px;">6 Pts</td> </tr> <tr> <td style="padding: 5px;">Leg Impact</td> <td style="text-align: right; padding: 5px;">6 Pts</td> </tr> </table> | Head Impact | 14 Pts | Pelvis Impact | 6 Pts | Leg Impact | 6 Pts |
| Head Impact | 14 Pts | | | | | | |
| Pelvis Impact | 6 Pts | | | | | | |
| Leg Impact | 6 Pts | | | | | | |

| | |
|----------------|-------|
| AEB Pedestrian | 0 Pts |
|----------------|-------|

Comments

The bonnet provided predominantly good or adequate protection to the head of a struck pedestrian, with some poor results recorded on the stiff windscreen pillars. The bumper provided good protection to pedestrians' legs at all test locations and the pelvis was also well protected, the Rio scoring maximum points in these tests. The optional autonomous emergency braking system can detect pedestrians but the results are not included in this assessment of standard safety equipment.

 SAFETY ASSIST

Total 3 Pts / 25%

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

Speed Assistance 0 Pts

Seat Belt Reminder 3 Pts

| Applies To | All seats | | |
|------------|-------------|--------------------|-------------------|
| | Driver Seat | front passenger(s) | rear passenger(s) |
| Warning | | | |
| Visual | ● | ● | ● |
| Audible | ● | ● | ● |

● Pass
 ● Fail
 — Not available

Lane Support 0 Pts

AEB Interurban 0 Pts

 SAFETY ASSIST

Total 3 Pts / 25%

Comments

A seatbelt reminder system is standard equipment for the front and rear seats. Autonomous emergency braking and a lane assistance systems are part of the optional safety pack, the results of which are not included in this rating.

RATING VALIDITY

Variants of Model Range

| Body Type | Engine | Drivetrain | Rating Applies | |
|------------------|-------------|------------|----------------|-----|
| | | | LHD | RHD |
| 5 door hatchback | 1.2 petrol* | 4 x 2 | ✓ | ✓ |
| 5 door hatchback | 1.4 petrol | 4 x 2 | ✓ | ✓ |
| 5 door hatchback | 1.0 T-GDI | 4 x 2 | ✓ | ✓ |
| 5 door hatchback | 1.4 CRDi | 4 x 2 | ✓ | ✓ |

* Tested variant

Annual Reviews and Facelifts

| Date | Event | Outcome |
|----------------|------------------|---------|
| September 2017 | Rating Published | 2017 ✓ |
| September 2018 | Annual Review | 2017 |