

APPENDIX C

Vehicle Delivery Quick Reference Guide



KIA Models



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KEY PLACEMENT

- ✓ Smart keys may be placed in Cup Holder.
- ✓ Flip keys that are closed may be placed in Cup Holder.

Smart Key



Flip Key



- ✓ Mechanical Keys must be placed in Glove Box.
- ✓ Any set of keys with exposed mechanical key must be placed in Glove Box.

Mechanical Key



Key Set



- ✓ As a theft prevention measure, remove all keys from the last vehicle loaded on trucks.

Technical Bulletin

NUMBER:

GHK1902R1

Date:

02/25/2019

HYUNDAI

X

KIA

X

MODEL YEAR:

ALL

MODEL CODE:

ALL

SUBJECT:

SEAT BELTS MUST BE WORN AT ALL TIMES

COMMENTS:

IMPORTANT NOTICE

TO ALL: RAIL, HAULWAY, VPC AND SHUTTLE DRIVERS



Many newer Hyundai, Genesis and KIA models are now being delivered with state-of-the-art electronics and safety systems. These new safety systems are designed to ensure that a vehicle's transmission is placed into 'Park' position if a vehicle door is opened while the driver's seatbelt is not latched.

The following policy is established for all Hyundai, Genesis and KIA model lines going forward:

*** SEAT BELT(S) MUST BE WORN BY DRIVERS AT ALL TIMES.
THIS INCLUDES ANY PASSENGERS THEREOF.**

Failure to follow this policy while loading, unloading, storing or driving any vehicle traveling at a speed greater than 2 mph and opening a vehicle door can cause serious physical Injury.

Technical Bulletin

		NUMBER: KBD1808R2	TEST DATE: 08/23/2018
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: BDm
SUBJECT: MY2020 KIA Forte			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Avoid using wheel pocket extensions in the head rack position due to insufficient undercarriage clearance when the Forte is facing the forward position.
- Lower deck:** Approved for all lower trailer positions. Use caution over the trailer's tandem wheels and ramp break-over points due to reduced undercarriage clearance.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** Approved for all loading positions. *Low-pro chocking systems are the preferred vehicle restraint system. SCT Copolymer or similar off-brand chock sets are prohibited from use, should the Forte have installed mudguards.* Follow AAR policy for installing, spacing and removing chocks. Install chocks firmly against tires.
- Bi-level railcars:** May be utilized in the event of a tri-level railcar shortage. Fortes are approved for all loading positions. Place chock setting in the highest setting maintaining a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle component.

GENERAL

- KIA Forte has a minimum *ground clearance of approximately 5.3 in. (13.46 cm).*
- The KIA Forte must be shipped with front tires in the straight forward position, the transmission in "Park" or "first gear" for manual transmissions and its parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob, place into cup holder. Exposed mechanical keys, place in glove box.
- Always wear a seatbelt when operating vehicle.



Specifications

Forte FE, LXS, GT-Line, EX



2.0 L I4 MPI DOHC 147 hp @
6,200 rpm
Weight: 2,908 lbs./1,319.05 kg
Wheelbase: 106.3 in/270.00cm
Length: 182.7 in/464.06 cm
Width: 70.9 in/180.09 cm
Height: 56.5 in/143.51 cm
Wheels: 15, 16 or 17 in
Transmission: M or AT

Forte GT

1.6L I4 Turbo DOHC GDI 201 hp @
6,000 rpm
Weight: 3,079 lbs./1,396.61 kg
Wheelbase: 106.3 in/270.00 cm
Length: 182.7 in/464.06 cm
Width: 70.9 in/180.09 cm
Height: 56.5 in/143.51 cm
Wheels: 18 in (38.1, 40.64, 43.18 & 45.72 cm)
Transmission: M or AT

All weights and dimensions are approximate and subject to change without notice.

Technical Bulletin

		NUMBER: KSC1710R1		TEST DATE: 10/04/2017	
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>	MODEL YEAR: 2020	MODEL CODE: SCm
SUBJECT: MY2020 KIA Rio and Rio 5-Door					

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Avoid using wheel pocket extensions in the head rack position due to insufficient undercarriage clearance when the Rio is facing the forward position.
- Lower deck:** Approved for all lower trailer positions. Use caution over the trailer's tandem wheels and ramp break-over points due to reduced undercarriage clearance.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** Approved for all loading positions. *Low-pro chocking systems are the preferred vehicle restraint system. SCT Copolymer or similar off-brand chock sets are prohibited from use, should the Rio and Rio 5's have installed mudguards.* Follow AAR policy for installing, spacing and removing chocks. Install chocks against tires.
- Bi-level railcars:** May be utilized in the event of a tri-level railcar shortage, Rio and Rio 5's are approved for all loading positions. Place chock setting in the highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle component.

GENERAL

- KIA Rio has a minimum **ground clearance of approximately 5.5 in. (13.97 cm).**
- The KIA Rio must be shipped with front tires in the straight forward position, with the automatic transmission placed in "Park" position and its parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys place in glove box.
- Seat belt must be worn when operating vehicle.



Specifications

Rio LX, S

1.6 L I4 DOHC 120 hp. @ 6,300 rpm. 1.6 L I4 DOHC 120 hp (est.)

Weight: TBD

Wheelbase: 101.6 in /258.06 cm

Length: 172.6 in /438.40 cm

Width: 67.9 in /172.47 cm

Height: 57.1 in /145.03 cm

Wheels: 15 in /38.1 cm

Transmission: AT

5 Door S

Weight: TBD

Wheelbase: 101.6 in /258.06 cm

Length: 160.0 in /406.4 cm

Width: 67.9 in /172.47 cm



Height: 57.1 in /145.03 cm

Wheels: 15 in /38.1 cm

Transmission: AT

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KYG1512R1	TEST DATE: 5/01/13
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: YG
SUBJECT: MY2020 KIA Cadenza			

COMMENTS:

TRUCK HAUL-AWAY

- Upper Deck:** Approved for all upper deck positions.
- Lower deck:** Approved for all lower deck positions.
- Caution:** Reduce vehicle loading speeds when backing the Cadenza onto skids. The front fascia can drop to less than 2 in. (5.08 cm) of ground clearance.
- Soft-tie wheel straps are required on all four (4) tires. Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars: "A" deck restriction:** Only four (4) Cadenza's may be loaded on the "A" deck due to low roof/antenna clearance for the last loading position. Place a smaller vehicle like a Kia Forte, etc. into the "A1" or "A5" position to provide proper AAR spacing and roof clearances. Follow AAR rules for loading, installing or removing chocks. "B" and "C" decks are approved for all loading positions.
- Tri-level loading:** Use low-profile chock systems only. When installing chocks, place chocks firmly against vehicle tires.
- Bi-level railcars:** Approved for all loading positions. Follow AAR rules for loading, and installing or removing chocks.

GENERAL

- The Kia Optima has approximately **5.4 in. (13.72 cm) of ground clearance.**
- Cadenza's must be shipped with front tires in the straight forward position, the transmission in "Park" position and parking brake fully engaged.
- Seat belts must be worn when operating vehicle.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys, place in glove box.





Specifications

Technology and Limited

3.3L V6 DOHC GDI 24v - 290 hp @ 6,400 rpm
 Est. Weight: 3,333 – 3,728 lbs. (1,512 – 1,691 kg)
 Ground clearance 5.4 in. (13.72 cm)
 Wheelbase: 112.4 in. (280.50 cm)
 Length: 196.70 in. (499.62 cm)
 Width: 73.60 in. (147.07 cm)
 Height: 57.90 in. (145.01 cm)
 Wheels: 18 in., 19 in (45.72, 48.26 cm)

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KJF1512R2	TEST DATE: 2/07/2011
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: JFa
SUBJECT: MY2020 KIA Optima			

COMMENTS: TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions.
- Lower deck:** Approved for all lower deck positions.
- Caution:** Reduce vehicle loading speeds when backing the Optima onto skids. The front fascia can drop to less than 2 in. (5.08 cm) of ground clearance.
- Soft-tie wheel straps are required on all four (4) tires. Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars: "A" deck restriction:** Only four (4) Optima's may be loaded on the "A" deck due to low roof/antenna clearance for the last loading position. Place a smaller vehicle like a Kia Forte, etc. into the "A1" or "A5" position to provide proper AAR spacing and roof clearances. Follow AAR rules for loading, installing or removing chocks. "B" and "C" decks are approved for all loading positions.
- Tri-level loading:** Use low-profile chock systems only. When installing chocks, place chocks firmly against vehicle tires.
- Bi-level railcars:** Approved for all loading positions. Follow AAR rules for loading, and installing or removing chocks.

GENERAL

- The Kia Optima has approximately **5.3 in. (13.46 cm) of ground clearance.**
- Optima's must be shipped with front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys place in glove box.
- Seat belt must be worn when operating vehicle.

Specifications



LX, S, SE, EX, EX Premium, SX



2.4L I4 / 1.6L Turbo/ 2.0L Turbo
Weight: 3,298 - 3,558 lbs. (1,613.88 kg)
Wheelbase: 110.4 in (280.49 cm)
Length: 191.1 in (485.39 cm)
Width: 73.2 in. (185.93 cm)
Height: 57.7 in (146.56 cm)
Wheels: 16, 17, or 18 in (40.64, 43.18, 45.72 cm)
Transmission: AT

Hybrid Base, EX

2.4L I4 Parallel Hybrid
Weight: 3,496 - 3,622 lbs. (1,42.91 kg)
Wheelbase: 110.0 in (279.4 cm)
Length: 190.7 in (484.38 cm)
Width: 72.0 in (182.88 cm)
Height: 57.1 in (145.03 cm)
Wheels: 16 or 17 in (40.64, 43.18 cm)
Transmission: AT

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KJFEV1512R2	TEST DATE: 2/07/2011
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2019 - 2020	MODEL CODE: JFHEV, JFPHEV
SUBJECT: MY2019 - 2020 KIA Optima Hybrid & Plug-In			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Avoid using wheel pocket extensions.
- Lower deck:** Approved for all lower trailer positions. **Caution:** Reduce vehicle loading speeds when backing Optima's onto skids and over trailer rear tandems and ramp break-over areas. The front fascia can drop to *less than 2 in. (5.08 cm) of ground clearance.*
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** "A" deck restriction: Only four (4) Optima's may be loaded on the railcar "A" deck due to low roof/antenna clearance. Place a smaller vehicle like a Kia Forte or similar into the "A1" or "A5" position to provide proper spacing 3 in. (7.62 cm) AAR roof clearance. Tri-level "B" and "C" decks are approved for all loading positions.
- Tri-level loading:** Use low-profile chock systems only. When installing chocks, place chocks firmly against vehicle tires.
- Bi-level railcars:** Approved for all loading positions. Place all chocks in highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between chock and any vehicle component.

GENERAL

- The 2019 and 2020 Kia Optima have limited ground clearance of approximately 5.1" (12.95 cm).
- EV and PHEV (Plug-in) recharging is restricted to trained personnel only. High voltage cables and connectors are orange in color. Do not touch high voltage components, cables or connections without proper protective gear. Failure to observe warning could result in electrical shock, injury or even death.
- 'No start' hybrid or electric vehicles: please contact the GLOVIS Claims Department for directions 1-866-445-6847. Battery charging kit responsibility follows the carrier chain of custody rules.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys place in glove box.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Seat belts must be worn when operating vehicle.



Specifications

Hybrid and Plug-In, EX

2.0L I4 PHEV/GDI 50 kw /67 hp., combined 202 hp

Wheelbase: 110.43 in. (280.49 cm)

Length: 191.10 in. (485.39 cm)

Width: 73.20 in. (185.93 cm)

Weight: 3,486 – 3,788 lbs. (1,718.21 kg) / Clearance **5.1 in.** (12.95cm)

Height: 57.50 in. (146.05 cm) / Wheels: 17 in. (43.18 cm)

*All weights and dimensions are subject to change without notice.

Technical Bulletin

NUMBER:
KDE1609R2

TEST DATE:
09/15/2016

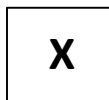
HYUNDAI



KIA



X



MODEL YEAR:
2020

MODEL CODE:
DE

SUBJECT:

MY2020 KIA Niro Hybrid

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- AutoMax railcars:** Approved for all decks levels. Approved for all load positions except 'A' deck where vehicles must be secured a minimum ½ car length from any end door to provide necessary 3 in. (7.62 cm) roof clearance.
- Bi-level railcars:** Approved for all deck levels and loading positions. Grate lock chocks should be placed in the highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle component.

GENERAL

- The KIA Niro has approximately **6.3 in.** (16.00 cm) of ground clearance.
- EV recharging is restricted to trained personnel only.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Seat belt must be worn when operating vehicle.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys, place in glove box.



2020 Kia Niro Specifications

LX, LXs, Touring, Touring SE, EX Premium

DOHC 1.6L GDI

Horsepower: 43 hp (32 kW) Estimated 146 hp combined Curb weights: TBD

Wheelbase: 106.3 in. (270.00 cm)

Length: 171.5 in. (435.61 cm)

Width: 71.1 in. (180.59 cm)

Height: 60.8 in. (154.43 cm) Wheels: 16 in., 18 in. Alloy (40.64 - 45.72 cm)

Transmission: Auto, 6 speed DCT



*All weights and dimensions are subject to change without notice

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QUALITY
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Revision R2

Technical Bulletin

HYUNDAI		KIA		NUMBER: KDEEV1609R2	TEST DATE: 09/15/2016
	<input type="checkbox"/>		<input checked="" type="checkbox"/>	MODEL YEAR: 2019 -2020	MODEL CODE: DEEV DEPHEV
SUBJECT: MY2019 - 2020 KIA Niro Plug-in and Electric					

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions with exception of position #6 behind the cab on short ramps seen on many 65' trailers, or trailers with limited overhead clearances.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- AutoMax railcars:** Approved for all decks levels. Approved for all load positions except 'A' deck where vehicles must be secured a minimum 1/2 car length from any end door to provide the necessary 3 in. (7.62 cm) roof clearance.
- Bi-level railcars:** Approved for all deck levels and loading positions. Grate lock chocks should be placed in the highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle component.

GENERAL



- The KIA Niro has approximately 6.1 in. (15.49 cm) of ground clearance.
- Hybrid, EV and PHEV (Plug-in) recharging is restricted to trained personnel only.** High voltage cables and connectors are orange in color. Do not touch high voltage components, cables or connections without proper protective gear. Failure to observe warning could result in electrical shock, injury or even death.
- 'No start' hybrid or electric vehicles: please contact the GLOVIS Claims Department for directions at 1-866-445-6847. Battery charging kit responsibility follows the carrier chain of custody rules.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys place in the glove box.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Seat belts must be worn when operating vehicle.



Niro Hybrid & Plug-in	Niro EV - Electric
LX, LXS, Touring, Touring SE & EX Premium	EX and EX Premium
1.6L GDI - 104 hp, AC Synchronis Perm Magnet Motor	366 V, 150 kW, AC Synchronis Perm Magnet Motor
360V 60hp. Combined 139hp. 24.7 Ah, 8.9 kWh, 59kW	180 Ah, 64 kW, 201 hp
Wheelbase: 106.3 in. (270.00 cm)	Wheelbase: 106.3 in. (270.00 cm)
Length: 171.5 in. (435.61 cm)	Length: 172.2 in. (437.39 cm)
Width: 71.1 in. (180.59 cm)	Width: 71.1 in. (180.59 cm)
Height w/rails: 60.8 in. (154.43 cm)	Height w/rails: 61.8 in. (156.97 cm)
Ground clearance: 6.3 in. (16.00 cm)	Ground clearance: 6.1 in. (15.49 cm)
Wheels: 16in., 18in (40.64, 45.72 cm)	Wheel size: 16 in. (40.64 cm)
Est. curb weight: TBD	Est. curb weight: 3,854 Lbs. (1,748.15 kg)

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KYP1512R2	TEST DATE: 11/01/2014
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: YP
SUBJECT: MY2020 KIA Sedona			

COMMENTS:

TRUCK HAULAWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'.6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions with exception of position #6 behind the cab on short ramps seen on many 65' trailers, or trailers with limited overhead clearances.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of vehicle securement is strictly prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components is strictly prohibited.

RAIL LOADING RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- Bi-level railcars:** Approved for bi-level railcar shipments only. Utilize the highest chock setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle components.



GENERAL

- The KIA Sedona has approximately 6.7 in. (17.02 cm) of ground clearance.
- Seat belts must be worn when operating vehicle.
- Kia Sedona must be shipped with front tires in the straight forward position, the transmission in "Park" position, and parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Specifications
2020 Kia Sedona
L, LX, EX and SX
3.3L V6 GDI 276 hp,
Curb weight from: 4,411 - 4,736 lbs. (2,000.80 - 2,148.21 kg)
Wheelbase: 120.5 in (306.07 cm)
Length: 201.4 in (511.56 cm)
Width: 89.3 in (226.82 cm)
Height w/ rails: 69.1 in (175.29 cm)
Wheels: 17 in & 18 in (43.18 - 45.72 cm)
Transmission: AT
*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KSK31903R2	TEST DATE: 3/01/2019
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: SK3
SUBJECT: MY2020 KIA Soul			

COMMENTS:

TRUCK HAUL-AWAY

- Upper Deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'.6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions. Drivers use caution loading in position #6 on short ramps or trailers having limited overhead clearances. Maintain a minimum of 4 in. (10.16 cm) separation between upper and lower vehicles.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are strictly prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Bi-level railcars:** Approved for bi-level railcar shipment. Loaders utilize the highest chock setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle body panel or its components.
- Standard tri-level railcars:** *Not an approved conveyance.*
- AutoMax railcars:** Approved for AutoMax railcar shipment. Loaders maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle body panel or its components. 3 in. (7.62 cm) overhead deck to vehicle roof clearance is required on 'A' deck inclines. Load AutoMax - A decks: 3, B decks: 4, C decks: 4. 22 vehicle railcar capacity.

GENERAL

- 2020 KIA Soul has approximately 6.7 in. (17.02 cm) minimum ground clearance.
- Seat belts must be worn when operating vehicle.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Soul

LX, S, X-Line, EX, GT - Line 2.0L, GT - Line 1.6 Turbo

Wheelbase: 102.4 in. (260.10 cm)

Length: 165.2 in. (419.61 cm)

Width: 70.9 in. (180.09 cm)

Height: 63.0 in. (160.02 cm)



Ground clearance: 6.7 in. (17.02 cm)

Wheel size: 16 in. & 18 in. (40.64, 45.72 cm)

Est. curb weight: 3,858 - 4,023 Lbs. (1,749.96 - 1,824.80 kg)

**All weights and dimensions are subject to change without notice.*

Technical Bulletin

		NUMBER: KSK3EV1903R2	TEST DATE: 3/01/2019
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2019 -2020	MODEL CODE: SK3EV
SUBJECT: MY2019 - 2020 KIA Soul EV			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'6" or 14' height limitations.
- Lower deck:** Approved for all lower deck positions. Drivers use caution loading in position #6 on short ramps or trailers having limited overhead clearances. Maintain a minimum of 4 in. (10.16 cm) separation between upper and lower vehicles.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- AutoMax railcars:** Approved for AutoMax railcar shipment. Loaders maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle body panel or its components. 3 in. (7.62 cm) overhead deck to vehicle roof clearance is required on 'A' deck inclines. Load AutoMax A decks: 3, B decks: 4, C decks: 4. 22 vehicle railcar capacity.
- Bi-level railcars:** Approved for all loading positions. Loaders utilize the highest chock setting that will maintain a minimum 2 in. (5.08 cm) of clearance between the chock and any vehicle component.

GENERAL

- The Kia Soul EV has limited ground clearance of approximately 5.9" (14.99 cm).
- 'No start' hybrid or electric vehicles: please contact the GLOVIS Claims Department for directions 1-866-445-6847. EV battery charging kit responsibility follows the carrier chain of custody rules.
- EV recharging is restricted to trained personnel only. High voltage cables and connectors are orange in color. Do not touch high voltage components, cables or connections without proper protective gear. Failure to observe this warning could result in electrical injury or even death.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Seat belts must be worn when operating vehicle.





Specifications EV Base, EV +

AC Synchronous Permanent Magnet 360V, 109 hp (81.4 kW)
Est. weight: 3,289 - 3,366 Lbs. (1,491.87 - 1,526 kg)
Wheelbase: 101.2 in (257.05 cm)
Length: 163.0 in (414.02 cm)
Width: 70.9 in (180.09 cm)
Height: 63.0 in (160.02 cm)
Wheels: 16 in (40.64 cm)
Transmission: AT

*All weights and dimensions are subject to change without notice

Technical Bulletin

		NUMBER: KUM1512R2	TEST DATE: 11/10/2014
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: UM, UMa
SUBJECT: MY2020 KIA Sorento			

COMMENTS:

TRUCK HAULAWAY

- Upper deck:** No restrictions. Always check vehicle load heights for compliance of Federal and State 13'.6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions with exception of position #6 behind the cab on short ramps seen on many 65' trailers, or trailers with limited overhead clearances.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of vehicle securement is strictly prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components is strictly prohibited.

RAIL LOADING RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- Bi-level railcars:** Approved for bi-level railcar shipments only. Utilize the highest chock setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle components.

GENERAL

- Seat belts must be worn when operating vehicle.
- The KIA Sorento has approximately **7.3 in.** (18.54 cm) of ground clearance.
- KIA Sorento must be shipped with front tires in the straight forward position, the transmission in "Park" position, and parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Specifications

2020 Kia Sorento

L, LX and S, EX SX

L, LX: 2.4L GDI 185 hp - S, EX and SX: 3.3L V6 290 hp

Wheelbase: 109.4 in (277.88 cm)

Length: 189.0 in (480.06 cm)

Width: 74.4 in (188.98 cm)

Height w/rails: 66.5 in (168.91 cm)

Wheels: 17 in & 19 in (43.18 - 48.26 cm)

Ground clearance: 7.3 in.(18.54 cm), Curb weight: 3,810 - 4,343 lbs. (1,728.19 - 1,969.95 cm)

Transmission: AT

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KSP21912R1	TEST DATE: 12/18/2019
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2021	MODEL CODE: SP2
SUBJECT: MY2021 KIA Seltos SUV			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** The KIA Seltos is approved for all trailer upper deck positions. Always check vehicle load heights for compliance with U.S. FMCSA 13'6" or State 14' load height limitations where applicable.
- Lower deck:** The Seltos (SP2) is approved for all lower trailer positions.
Use caution: when loading the KIA Seltos in position #6 behind the driver's cab, not all trailer configurations can accommodate the Seltos size or on trailers having limited overhead clearances. Always maintain a minimum of 4 in. (10.16 cm) space separation between upper and lower vehicles.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are strictly prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Bi-level railcars:** The KIA Seltos is approved for bi-level railcar shipment. Loaders utilize the highest chock setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle body panel or its components.
- Tri-level railcars:** *Standard tri-level railcars are not an approved conveyance.*
- AutoMax railcars:** Approved for AutoMax railcar shipment. *KIA Seltos SUV AutoMax restriction:* AutoMax 'A' deck is limited to '2' Seltos SP2's on flat surfaces only. A smaller vehicle may be shipped behind 2 Seltos in the 'A3' and 'A6' ramp positions, provided that the smaller unit is permitted to utilize SCT Copolymer chock sets. Always maintain a minimum of 2 in. (5.08 cm) clearance between the rail chock and any vehicle body panel or its components.

GENERAL

- 2021 KIA Seltos has approximately **7.2 in. (18.29 cm) minimum ground clearance.**
- Seat belts must be worn when operating vehicle.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.



Specifications

Models: LX, S, EX & SX **Engines:** 1.6L T I4 MPI or 2.0L MPI

Curb weight range: TBD Estimated 2,732 lbs. (1,239.21 kg)

Minimum ground clearance: 7.2" (18.29 cm)

Wheelbase: 103.5 in. (262.89 cm)

Length: 172.0 in. (436.88 cm) Width: 70.9 in. (180.09 cm)



Height: 63.6 in. w/rails (161.54 cm)

Wheels: 17" or 18" Alloy (43.18 cm or 45.72 cm)

Transmission: 7 Speed Dual Clutch (S & SX) or I-VT Intelligent Variable Automatic (LX, EX)

**All weights and dimensions are subject to change without notice.*

Technical Bulletin

		NUMBER: KQL1512R2	TEST DATE: 2/01/2010
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: QL
SUBJECT: MY2020 KIA Sportage			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'6" or 14' height limitations.
- Lower deck:** Approved for all lower deck positions. Drivers use caution loading in position #6 on short ramps or trailers having limited overhead clearances. Maintain a minimum of 4 in. (10.16 cm) separation between upper and lower vehicles.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- Bi-level railcars:** Approved for all loading positions. Loaders utilize the highest chock setting that will maintain a minimum 2 in. (5.08 cm) of clearance between the chock and any vehicle component.

GENERAL

- The KIA Sportage has approximately 6.4 in. (16.26 cm) of ground clearance.
- Sportage must be shipped with front tires in the straight forward position, the transmission in "Park" position and parking brake fully engaged.
- Seat belts must be worn when operating vehicle.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Specifications

Kia Sportage

LX, S, EX and SX Turbo

2.4 GDI 181 hp, 2.0 Turbo 240 hp

Curb weight from: 3,305 lbs. - 3,997 lbs. (1,499 kg -1,813.01 kg)

Wheelbase: 105.1 in (266.95 cm)

Length: 176.8 in (449.07 cm)

Width: 73.0 in (185.42 cm)



Height w/rails: 65.2 in (165.61 cm)

Wheels: 17 in & 18 in (43.18 - 45.72 cm)

Transmission: AT

*All weights and dimensions are subject to change without notice.

Technical Bulletin

HYUNDAI		KIA		NUMBER: KON1811R1	TEST DATE: 11/26/2018
	<input type="checkbox"/>		<input checked="" type="checkbox"/>	MODEL YEAR: 2020	MODEL CODE: ON
SUBJECT: MY2020 KIA Telluride					

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Always check vehicle load heights for compliance of Federal and State 13'.6" or 14' height limitations.
- Lower deck:** Approved for all lower trailer positions with exception of position #6 behind the cab on short ramps seen on many 65' trailers, or trailers with limited overhead clearances.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of securement are strictly prohibited. Wheel straps may contact tire tread surfaces only. Side pulls and strap contact with undercarriage components are strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** *Not an approved conveyance.*
- Bi-level railcars:** Approved for bi-level railcar shipments only. Utilize the highest chock setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle body panel or its components.

GENERAL

- KIA Telluride has approximately **7.9 in. (20.07 cm)** of ground clearance.
- Rear seat alarm.** If a rear door(s) is opened for inspection, deactivate sensor or alarm will sound. Deactivation button is found on right side of steering column next to cruise control switch.
- Seat belts must be worn when operating vehicle.
- Vehicle must be shipped with its front tires in the straight forward position, the transmission in "Park" position and its parking brake fully engaged.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Specifications

Models: S / SX / LX / EX

3.8L V6 GDI DOCH Dual CVT

Curb weight: 4,112 - 4,482 lbs. (1,865 - 2,033 kg)

Wheelbase: 114.2 in. (290.07 cm)

Length: 196.9 in. (500.13 cm)

Width: 78.3 in. (198.88 cm)



Height w/rails: 69.3 in. (176.02 cm)

Wheels: 18 or 20 in. Alloy (45.72, 50.80 cm)

Transmission: Automatic

*All weights and dimensions are subject to change without notice.

Technical Bulletin

		NUMBER: KCK1709R1	TEST DATE: 09/05/2017
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: CK
SUBJECT: MY2020 KIA Stinger & Stinger GT			

COMMENTS:

TRUCK HAUL-AWAY

- Upper deck:** Approved for all upper deck positions. Avoid using wheel pocket extensions in the head rack position due to insufficient undercarriage clearance.
- Lower deck:** Approved for all lower trailer positions. Use extreme caution over the trailer's tandem wheel area and ramp break-over points due to reduced undercarriage clearance.
- Soft-tie wheel straps are required on all four (4) tires.** Chains or any other method of vehicle securement is prohibited. Wheel straps may contact tire tread surfaces only. Soft-tie side pulls and strap contact with undercarriage components are strictly prohibited.
- Use caution:** Reduce vehicle loading speeds when approaching or exiting skids, trailer tandems and ramp break-over points.

RAIL LOADING

- Tri-level railcars*:** Approved for all loading positions. *Low-pro chocking systems are the preferred vehicle restraint system. SCT Copolymer or similar off-brand chock sets are prohibited from use, should the Stinger have installed mudguards.* Tightly fit chocks against tires.
- Bi-level railcars:** May be utilized in the event of a tri-level railcar shortage. Kia Stinger is approved for all loading positions. Place chock settings in the highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the chock and any vehicle component.

GENERAL

- Kia Stinger and Stinger GT have a minimum ground clearance of approx. 5.1 inches (12.95 cm).
- The KIA Stinger must be shipped with its front tires in the straight forward position, automatic transmission placed in "Park" and its parking brake fully engaged.
- Always wear a seatbelt when operating vehicle.
- Key placement: Smart and flip keys, close key into fob, place in cup holder. Exposed mechanical keys, place in glove box.



Kia Stinger		Kia Stinger	
GT - Line		GT, GT1 & GT2	
2.0 L Twin Scroll Turbo 4- cylinder GDI, 255 hp		3.3 L Twin Turbo V6, 365 hp	
DOCH D-CVT 16V - 8 Speed Auto transmission		DOCH D-CVT 24V - 8 Speed Auto transmission	
Wheelbase:	114.4 in. (290.58 cm)	Wheelbase:	114.4 in. (290.58 cm)
Length:	190.2 in. (483.11 cm)	Length:	190.2 in. (483.11 cm)
Width:	73.6 in. (186.94 cm)	Width:	73.6 in. (186.94 cm)
Height:	55.1 in. (139.95 cm)	Height:	55.1 in. (139.95 cm)
Ground clearance:	5.1 in. (12.95 cm)	Ground clearance:	5.1 in. (12.95 cm)
Wheels:	18 in. & 19 in. (45.72, 48.26 cm)	Wheels:	18 in. & 19 in. (45.72, 48.26 cm)
Est. curb weight: 3,611 to 3,950 lbs. (1,637.92 - 1,791.69 kg)		Est. curb weight: 3,830 to 4,170 lbs. (1,737.26 - 1,891.48 kg)	

*Includes all standard, AutoMax, Auto-Flex and Multi-Max railcars.

Technical Bulletin

		NUMBER: KRJ1505R1	TEST DATE: 04/01/14
HYUNDAI 	<input type="checkbox"/>	KIA 	<input checked="" type="checkbox"/>
		MODEL YEAR: 2020	MODEL CODE: RJ
SUBJECT: MY2020 KIA K900			

COMMENTS: TRUCK HAUL-AWAY

- Upper deck:** The Kia K900 is approved to be loaded in all upper trailer deck positions. Avoid using wheel pocket extensions in the head rack position due to limited undercarriage clearance. Always check vehicle load heights for compliance of Federal and State 13'.6" or 14' height limitations.
- Lower deck:** **WARNING: The K900 can only be loaded and transported in the last rear bottom trailer position only due to likely undercarriage damage if driven over tandem pivot area.**
- Use caution:** Reduce loading speeds when approaching, backing or exiting skids as the vehicle's front fascia can drop to less than 2" in. (5.08 cm) of ground clearance.
- Soft-tie wheel straps are required on all four (4) wheels.** Chains and side pulls are prohibited. Strap contact with vehicle components is strictly prohibited.

RAIL LOADING

- Standard tri-level railcars:** **Approved for 'C' deck loading only.** Rail loaders must utilize next generation low-profile chocks. AutoMax, Auto-Flex, and Multi-Max are approved on all decks provided that only low-profile chock systems are used to secure the K900. Limit '2' K900's on the flat surfaces of AutoMax 'A' decks. The use of SCT Copolymer and similar off-brands of the 5 7/8 inch copolymer chock systems are strictly prohibited on all multilevel railcars.
- Bi-level railcars:** Kia K900 is approved for all loading positions. No known restrictions. Place chock setting in the highest setting that will maintain a minimum of 2 in. (5.08 cm) clearance between the between the chock and any vehicle component.

GENERAL

- The K900 has **limited ground clearance of approximately 5.7 in. (14.48 cm).**
- K900 must be shipped with front tires in the straight forward position, the transmission in "Park" position and parking brake fully engaged.
- Seat belts must be worn when operating vehicle.
- Key placement: Smart and flip keys, close key into fob place in cup holder. Exposed mechanical keys, place in glove box.

Specifications

Luxury

3.3L V6 Twin Turbo DOHC GDI 24v - 365 hp @ 6,000 rpm
 Est. Weight: 4,662 lbs. (2,114.65 kg.)
 Ground clearance 5.7 In. (14.48 cm)
 Wheelbase: 122.2 in. (310.39 cm)
 Length: 201.6 in. (512.06 cm), Width: 75.4 in. (191.52 cm)
 Height: 58.7 in. (149.10 cm), Wheels: 19 in (48.26 cm)

*All weights and dimensions are subject to change without notice.

