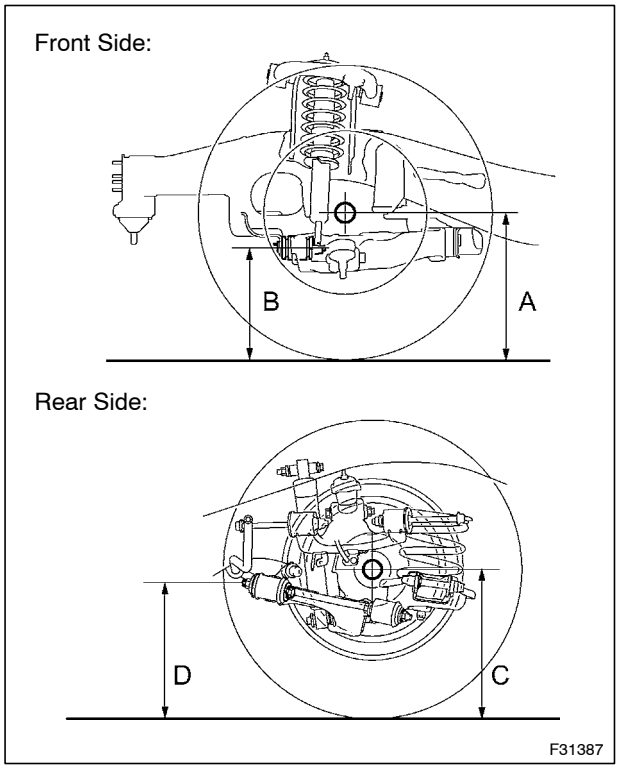
5. WHEEL ALIGNMENT STANDARD

(a) FRONT WHEEL ALIGNMENT



(1) Standard vehicle height (unloaded vehicle):

Measuring points:

A: Ground clearance of the front drive shaft center

B: Ground clearance of the front adjusting cam bolt center

C: Ground clearance of the rear drive shaft center

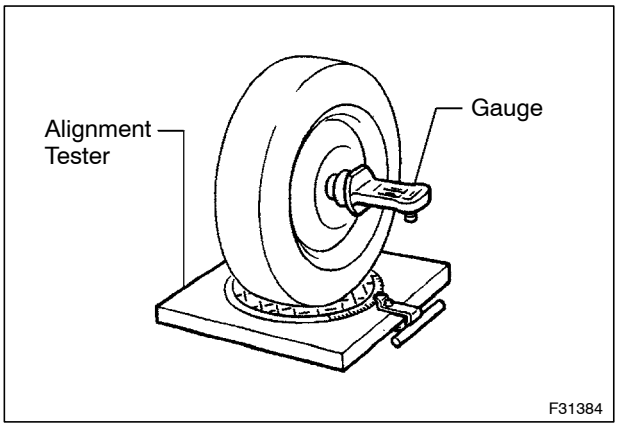
D: Ground clearance of the rear lower arm No. 1 adjusting cam bolt center

Vehicle Model	Rear Suspension Type	Tire Size	Front A – B	Rear C – D
UCK60L–GKASKA	Coil	P275/65R18 8JJ	106.7 mm (4.20 in.)	29.4 mm (1.16 in.)
		P275/55R20 8JJ	106.7 mm (4.20 in.)	29.4 mm (1.16 in.)
	Air	P275/65R18 8JJ	105.5 mm (4.15 in.)	39.0 mm (1.54 in.)
		P275/55R20 8JJ	105.5 mm (4.15 in.)	39.0 mm (1.54 in.)
UCK60L–GKALKA	Coil	P275/65R18 8JJ	106.6 mm (4.20 in.)	30.1 mm (1.19 in.)
		P275/55R20 8JJ	106.6 mm (4.20 in.)	30.1 mm (1.19 in.)
	Air	P275/65R18 8JJ	105.5 mm (4.15 in.)	39.0 mm (1.54 in.)
		P275/55R20 8JJ	105.5 mm (4.15 in.)	39.0 mm (1.54 in.)
UCK65L–GKASKA	Coil	P275/65R18 8JJ	101.6 mm (4.00 in.)	23.1 mm (0.91 in.)
		P275/55R20 8JJ	101.6 mm (4.00 in.)	23.2 mm (0.91 in.)
	Air	P275/65R18 8JJ	100.3 mm (3.95 in.)	34.0 mm (1.34 in.)
		P275/55R20 8JJ	100.3 mm (3.95 in.)	34.0 mm (1.34 in.)
UCK65L–GKALKA	Coil	P275/65R18 8JJ	101.3 mm (3.99 in.)	23.5 mm (0.93 in.)
		P275/55R20 8JJ	101.3 mm (3.99 in.)	23.5 mm (0.93 in.)
	Air	P275/65R18 8JJ	100.1 mm (3.94 in.)	33.9 mm (1.33 in.)
		P275/55R20 8JJ	100.1 mm (3.94 in.)	34.0 mm (1.34 in.)
USK60L–GKTSKA	Coil	P275/65R18 8JJ	108.1 mm (4.26 in.)	30.3 mm (1.19 in.)
		P275/55R20 8JJ	108.1 mm (4.26 in.)	30.3 mm (1.19 in.)
	Air	P275/65R18 8JJ	107.0 mm (4.21 in.)	39.2 mm (1.54 in.)
		P275/55R20 8JJ	107.0 mm (4.21 in.)	39.2 mm (1.54 in.)
USK60L–GKTLKA	Coil	P275/65R18 8JJ	107.6 mm (4.24 in.)	30.6 mm (1.20 in.)
		P275/55R20 8JJ	107.6 mm (4.24 in.)	30.6 mm (1.20 in.)
	Air	P275/65R18 8JJ	106.5 mm (4.19 in.)	39.1 mm (1.54 in.)
		P275/55R20 8JJ	106.5 mm (4.19 in.)	39.1 mm (1.54 in.)
USK60L–GKTZKA	Air + AVS	P275/55R20 8JJ	106.6 mm (4.20 in.)	39.1 mm (1.54 in.)

Vehicle Model	Rear Suspension Type	Tire Size	Front A – B	Rear C – D
USK65L-GKTSKA	Coil	P275/65R18 8JJ	103.0 mm (4.06 in.)	26.0 mm (1.02 in.)
		P275/55R20 8JJ	103.0 mm (4.06 in.)	26.1 mm (1.03 in.)
	Air	P275/65R18 8JJ	102.0 mm (4.02 in.)	34.1 mm (1.34 in.)
		P275/55R20 8JJ	102.0 mm (4.02 in.)	34.2 mm (1.35 in.)
USK65L-GKTLKA	Coil	P275/65R18 8JJ	102.7 mm (4.04 in.)	26.2 mm (1.03 in.)
		P275/55R20 8JJ	102.8 mm (4.05 in.)	26.2 mm (1.03 in.)
	Air	P275/65R18 8JJ	101.8 mm (4.01 in.)	34.1 mm (1.34 in.)
		P275/55R20 8JJ	101.8 mm (4.01 in.)	34.1 mm (1.34 in.)
USK65L-GKTZKA	Air + AVS	P275/55R20 8JJ	101.6 mm (4.00 in.)	34.1 mm (1.34 in.)

(2) Standard Wheel Angle (Unloaded Vehicle):

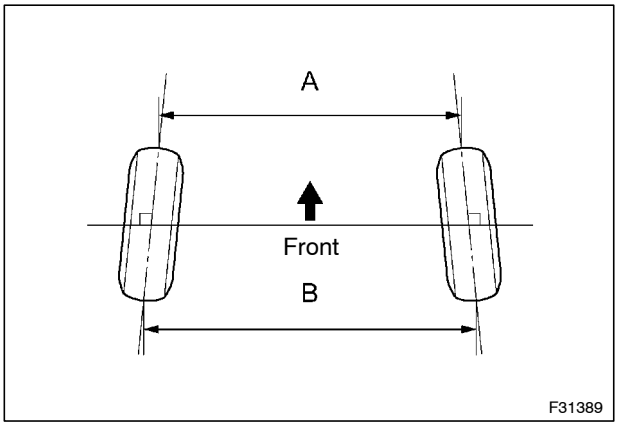
Vehicle Model	Rear Suspension Type	Tire Size	Inside Wheel Angle	Outside Wheel Angle (Reference)
UCK60L-GKASKA	Coil	P275/65R18 8JJ	-41°01' (-41.02°)	36°25' (36.41°)
		P275/55R20 8JJ	-41°01' (-41.02°)	36°25' (36.41°)
	Air	P275/65R18 8JJ	-41°01' (-41.02°)	36°25' (36.42°)
		P275/55R20 8JJ	-41°01' (-41.02°)	36°25' (36.42°)
UCK60L-GKALKA	Coil	P275/65R18 8JJ	-41°01' (-41.02°)	36°25' (36.41°)
		P275/55R20 8JJ	-41°01' (-41.02°)	36°25' (36.41°)
	Air	P275/65R18 8JJ	-41°01' (-41.02°)	36°25' (36.42°)
		P275/55R20 8JJ	-41°01' (-41.02°)	36°25' (36.42°)
UCK65L-GKASKA	Coil	P275/65R18 8JJ	-41°17' (-41.28°)	36°25' (36.42°)
		P275/55R20 8JJ	-41°17' (-41.28°)	36°25' (36.42°)
	Air	P275/65R18 8JJ	-41°17' (-41.29°)	36°26' (36.43°)
		P275/55R20 8JJ	-41°17' (-41.29°)	36°26' (36.43°)
UCK65L-GKALKA	Coil	P275/65R18 8JJ	-41°17' (-41.29°)	36°25' (36.42°)
		P275/55R20 8JJ	-41°17' (-41.29°)	36°25' (36.42°)
	Air	P275/65R18 8JJ	-41°17' (-41.29°)	36°26' (36.44°)
		P275/55R20 8JJ	-41°17' (-41.29°)	36°26' (36.44°)
USK60L-GKTSKA	Coil	P275/65R18 8JJ	-40°59' (-40.99°)	36°22' (36.36°)
		P275/55R20 8JJ	-40°59' (-40.99°)	36°22' (36.36°)
	Air	P275/65R18 8JJ	-41°00' (-41.00°)	36°23' (36.38°)
		P275/55R20 8JJ	-41°00' (-41.00°)	36°23' (36.38°)
USK60L-GKTLKA	Coil	P275/65R18 8JJ	-41°00' (-41.00°)	36°23' (36.38°)
		P275/55R20 8JJ	-41°00' (-41.00°)	36°23' (36.38°)
	Air	P275/65R18 8JJ	-41°01' (-41.01°)	36°23' (36.39°)
		P275/55R20 8JJ	-41°01' (-41.01°)	36°23' (36.39°)
USK60L-GKTZKA	Air + AVS	P275/55R20 8JJ	-41°01' (-41.01°)	36°23' (36.39°)
USK65L-GKTSKA	Coil	P275/65R18 8JJ	-41°16' (-41.26°)	36°22' (36.37°)
		P275/55R20 8JJ	-41°16' (-41.26°)	36°22' (36.37°)
	Air	P275/65R18 8JJ	-41°16' (-41.27°)	36°23' (36.38°)
		P275/55R20 8JJ	-41°16' (-41.27°)	36°23' (36.38°)
USK65L-GKTLKA	Coil	P275/65R18 8JJ	-41°16' (-41.26°)	36°23' (36.38°)
		P275/55R20 8JJ	-41°16' (-41.26°)	36°23' (36.38°)
	Air	P275/65R18 8JJ	-41°16' (-41.27°)	36°23' (36.39°)
		P275/55R20 8JJ	-41°16' (-41.27°)	36°23' (36.39°)
USK65L-GKTZKA	Air + AVS	P275/55R20 8JJ	-41°16' (-41.27°)	36°23' (36.39°)



(3) Standard Camber, Caster, Steering Axis Inclination (Unloaded Vehicle):

Vehicle Model	Rear Suspension Type	Tire Size	Camber Inclination	Caster Inclination	Steering Axis Inclination
UCK60L-GKASKA	Coil	P275/65R18 8JJ	-0°08' +/-45' (-0.14° +/-0.75°)	3°44' +/-45' (3.74° +/-0.75°)	13°09' +/-45' (13.15° +/-0.75°)
		P275/55R20 8JJ	-0°08' +/-45' (-0.14° +/-0.75°)	3°44' +/-45' (3.74° +/-0.75°)	13°09' +/-45' (13.15° +/-0.75°)
	Air	P275/65R18 8JJ	-0°08' +/-45' (-0.13° +/-0.75°)	3°56' +/-45' (3.93° +/-0.75°)	13°08' +/-45' (13.14° +/-0.75°)
		P275/55R20 8JJ	-0°08' +/-45' (-0.13° +/-0.75°)	3°56' +/-45' (3.93° +/-0.75°)	13°08' +/-45' (13.14° +/-0.75°)
UCK60L-GKALKA	Coil	P275/65R18 8JJ	-0°08' +/-45' (-0.14° +/-0.75°)	3°46' +/-45' (3.76° +/-0.75°)	13°09' +/-45' (13.15° +/-0.75°)
		P275/55R20 8JJ	-0°08' +/-45' (-0.14° +/-0.75°)	3°45' +/-45' (3.75° +/-0.75°)	13°09' +/-45' (13.15° +/-0.75°)
	Air	P275/65R18 8JJ	-0°08' +/-45' (-0.13° +/-0.75°)	3°56' +/-45' (3.93° +/-0.75°)	13°08' +/-45' (13.14° +/-0.75°)
		P275/55R20 8JJ	-0°08' +/-45' (-0.13° +/-0.75°)	3°56' +/-45' (3.93° +/-0.75°)	13°08' +/-45' (13.14° +/-0.75°)
UCK65L-GKASKA	Coil	P275/65R18 8JJ	-0°01' +/-45' (-0.01° +/-0.75°)	3°35' +/-45' (3.59° +/-0.75°)	13°02' +/-45' (13.04° +/-0.75°)
		P275/55R20 8JJ	-0°01' +/-45' (-0.01° +/-0.75°)	3°32' +/-45' (3.54° +/-0.75°)	13°02' +/-45' (13.04° +/-0.75°)
	Air	P275/65R18 8JJ	0°00' +/-45' (0.00° +/-0.75°)	3°49' +/-45' (3.81° +/-0.75°)	13°02' +/-45' (13.03° +/-0.75°)
		P275/55R20 8JJ	0°00' +/-45' (0.00° +/-0.75°)	3°45' +/-45' 3.75° +/-0.75°)	13°02' +/-45' (13.03° +/-0.75°)
UCK65L-GKALKA	Coil	P275/65R18 8JJ	0°00' +/-45' (0.00° +/-0.75°)	3°36' +/-45' (3.60° +/-0.75°)	13°02' +/-45' (13.04° +/-0.75°)
		P275/55R20 8JJ	0°00' +/-45' (0.00° +/-0.75°)	3°33' +/-45' (3.55° +/-0.75°)	13°02' +/-45' (13.04° +/-0.75°)
	Air	P275/65R18 8JJ	0°01' +/-45' (0.01° +/-0.75°)	3°49' +/-45' (3.81° +/-0.75°)	13°02' +/-45' (13.03° +/-0.75°)
		P275/55R20 8JJ	0°01' +/-45' (0.01° +/-0.75°)	3°45' +/-45' (3.75° +/-0.75°)	13°02' +/-45' (13.03° +/-0.75°)
USK60L-GKTSKA	Coil	P275/65R18 8JJ	-0°10' +/-45' (-0.17° +/-0.75°)	3°46' +/-45' (3.76° +/-0.75°)	13°11' +/-45' (13.19° +/-0.75°)
		P275/55R20 8JJ	-0°10' +/-45' (-0.17° +/-0.75°)	3°46' +/-45' (3.76° +/-0.75°)	13°11' +/-45' (13.19° +/-0.75°)
	Air	P275/65R18 8JJ	-0°10' +/-45' (-0.16° +/-0.75°)	3°56' +/-45' (3.94° +/-0.75°)	13°11' +/-45' (13.18° +/-0.75°)
		P275/55R20 8JJ	-0°10' +/-45' (-0.16° +/-0.75°)	3°56' +/-45' (3.94° +/-0.75°)	13°11' +/-45' (13.18° +/-0.75°)
USK60L-GKTLKA	Coil	P275/65R18 8JJ	-0°10' +/-45' (-0.16° +/-0.75°)	3°46' +/-45' (3.77° +/-0.75°)	13°11' +/-45' (13.18° +/-0.75°)
		P275/55R20 8JJ	-0°10' +/-45' (-0.16° +/-0.75°)	3°46' +/-45' (3.77° +/-0.75°)	13°11' +/-45' (13.18° +/-0.75°)
	Air	P275/65R18 8JJ	-0°09' +/-45' (-0.15° +/-0.75°)	3°56' +/-45' (3.94° +/-0.75°)	13°10' +/-45' (13.17° +/-0.75°)
		P275/55R20 8JJ	-0°09' +/-45' (-0.15° +/-0.75°)	3°56' +/-45' (3.94° +/-0.75°)	13°10' +/-45' (13.17° +/-0.75°)

Vehicle Model	Rear Suspension Type	Tire Size	Camber Inclination	Caster Inclination	Steering Axis Inclination
USK60L-GKTZKA	Air + AVS	P275/55R20 8JJ	-0°09' +/-45' (-0.15° +/-0.75°)	3°56' +/-45' (3.94° +/-0.75°)	13°10' +/-45' (13.17° +/-0.75°)
USK65L-GKTSKA	Coil	P275/65R18 8JJ	-0°02' +/-45' (-0.04° +/-0.75°)	3°40' +/-45' (3.67° +/-0.75°)	13°05' +/-45' (13.08° +/-0.75°)
		P275/55R20 8JJ	-0°02' +/-45' (-0.04° +/-0.75°)	3°37' +/-45' (3.61° +/-0.75°)	13°05' +/-45' (13.08° +/-0.75°)
	Air	P275/65R18 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°50' +/-45' (3.83° +/-0.75°)	13°04' +/-45' (13.07° +/-0.75°)
		P275/55R20 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°46' +/-45' (3.77° +/-0.75°)	13°04' +/-45' (13.07° +/-0.75°)
USK65L-GKTLKA	Coil	P275/65R18 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°40' +/-45' (3.67° +/-0.75°)	13°04' +/-45' (13.07° +/-0.75°)
		P275/55R20 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°37' +/-45' (3.62° +/-0.75°)	13°04' +/-45' (13.07° +/-0.75°)
	Air	P275/65R18 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°50' +/-45' (3.83° +/-0.75°)	13°04' +/-45' (13.06° +/-0.75°)
		P275/55R20 8JJ	-0°02' +/-45' (-0.03° +/-0.75°)	3°46' +/-45' (3.77° +/-0.75°)	13°04' +/-45' (13.06° +/-0.75°)
USK65L-GKTZKA	Air + AVS	P275/55R20 8JJ	-0°01' +/-45' (-0.02° +/-0.75°)	3°46' +/-45' (3.77° +/-0.75°)	13°04' +/-45' (13.06° +/-0.75°)

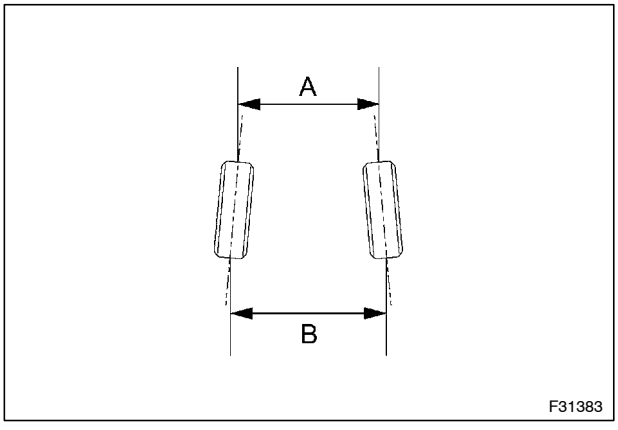


(4) Standard Toe-In (Unloaded Vehicle):

Vehicle Model	Rear Suspension Type	Tire Size	B – A
UCK60L-GKASKA	Coil	P275/65R18 8JJ	2.51 mm (0.0988 in.)
		P275/55R20 8JJ	2.51 mm (0.0988 in.)
	Air	P275/65R18 8JJ	2.63 mm (0.1035 in.)
		P275/55R20 8JJ	2.63 mm (0.1035 in.)
UCK60L-GKALKA	Coil	P275/65R18 8JJ	2.51 mm (0.0988 in.)
		P275/55R20 8JJ	2.51 mm (0.0988 in.)
	Air	P275/65R18 8JJ	2.63 mm (0.1035 in.)
		P275/55R20 8JJ	2.63 mm (0.1035 in.)
UCK65L-GKASKA	Coil	P275/65R18 8JJ	2.43 mm (0.0957 in.)
		P275/55R20 8JJ	2.43 mm (0.0957 in.)
	Air	P275/65R18 8JJ	2.54 mm (0.1000 in.)
		P275/55R20 8JJ	2.54 mm (0.1000 in.)
UCK65L-GKALKA	Coil	P275/65R18 8JJ	2.49 mm (0.0980 in.)
		P275/55R20 8JJ	2.49 mm (0.0980 in.)
	Air	P275/65R18 8JJ	2.60 mm (0.1024 in.)
		P275/55R20 8JJ	2.60 mm (0.1024 in.)
USK60L-GKTSKA	Coil	P275/65R18 8JJ	2.15 mm (0.0847 in.)
		P275/55R20 8JJ	2.15 mm (0.0847 in.)
	Air	P275/65R18 8JJ	2.25 mm (0.0886 in.)
		P275/55R20 8JJ	2.25 mm (0.0886 in.)

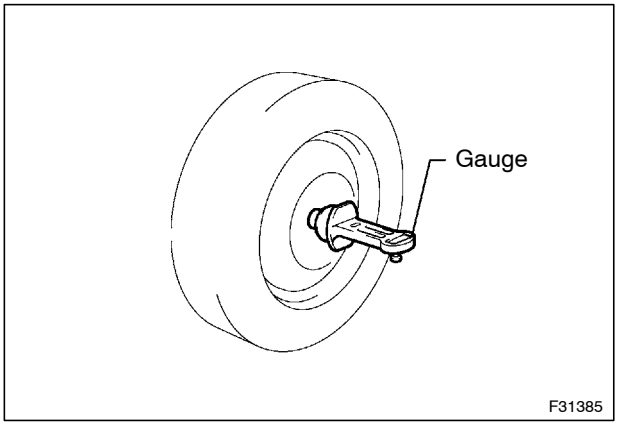
Vehicle Model	Rear Suspension Type	Tire Size	B – A
USK60L-GKTLKA	Coil	P275/65R18 8JJ	2.27 mm (0.0894 in.)
		P275/55R20 8JJ	2.27 mm (0.0894 in.)
	Air	P275/65R18 8JJ	2.38 mm (0.0937 in.)
		P275/55R20 8JJ	2.38 mm (0.0937 in.)
USK60L-GKTZKA	Air + AVS	P275/55R20 8JJ	2.36 mm (0.0929 in.)
USK65L-GKTSKA	Coil	P275/65R18 8JJ	2.02 mm (0.0795 in.)
		P275/55R20 8JJ	2.02 mm (0.0795 in.)
	Air	P275/65R18 8JJ	2.11 mm (0.0831 in.)
		P275/55R20 8JJ	2.11 mm (0.0831 in.)
USK65L-GKTLKA	Coil	P275/65R18 8JJ	2.08 mm (0.0819 in.)
		P275/55R20 8JJ	2.08 mm (0.0819 in.)
	Air	P275/65R18 8JJ	2.17 mm (0.0854 in.)
		P275/55R20 8JJ	2.17 mm (0.0854 in.)
USK65L-GKTZKA	Air + AVS	P275/55R20 8JJ	2.21 mm (0.0870 in.)

(b) REAR WHEEL ALIGNMENT



(1) Standard toe-in:

B – A	0 +/-2mm (0 +/-0.08 in.)



(2) Standard Camber Inclination (Unloaded Vehicle):

Drive Type	Rear Suspension Type	Camber Inclination
2WD	Coil	-1°21' +/-45' (-1.35° +/-0.75°)
	Air	-1°37' +/-45' (-1.62° +/-0.75°)
4WD	Coil	-1°13' +/-45' (-1.22° +/-0.75°)
	Air	-1°29' +/-45' (-1.48° +/-0.75°)