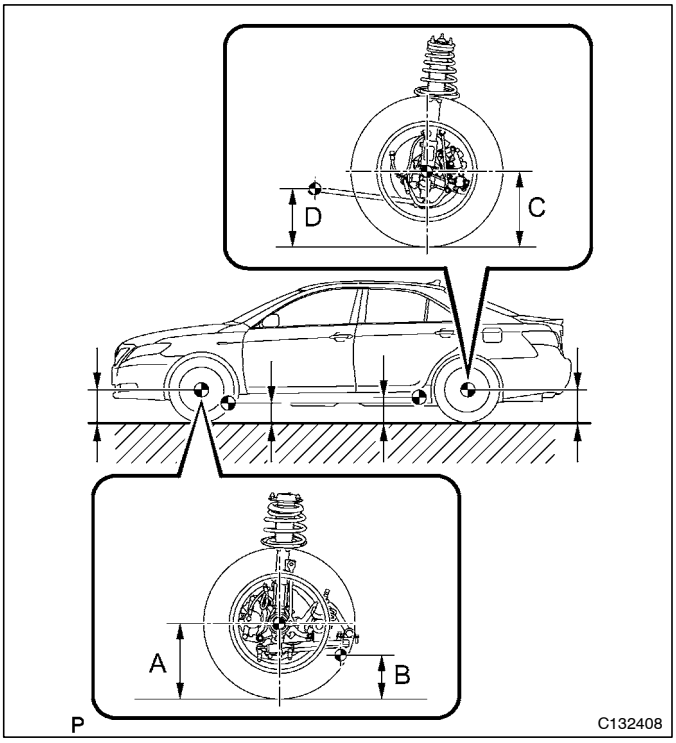
WHEEL ALIGNMENT STANDARD

1. FRONT WHEEL ALIGNMENT

Standard vehicle height:



for USA and Canada:

Model	Front A – B	Rear C – D
ACV40L-CEAGKA	125 mm (4.92 in.)	54 mm (2.13 in.)
GSV40L-CETGKA	126 mm (4.96 in.)	55 mm (2.17 in.)
ACV40L-AEAGKA	125 mm (4.92 in.)	53 mm (2.09 in.)
GSV40L-AETGKA	126 mm (4.96 in.)	54 mm (2.13 in.)
ACV40L-CEANKA	125 mm (4.92 in.)	54 mm (2.13 in.)
ACV40L-CEMNKA	125 mm (4.92 in.)	53 mm (2.09 in.)
GSV40L-CETNKA	126 mm (4.96 in.)	55 mm (2.17 in.)
ACV40L-AEANKA	125 mm (4.92 in.)	53 mm (2.09 in.)
ACV40L-AEMNKA	125 mm (4.92 in.)	52 mm (2.05 in.)
GSV40L-AETNKA	126 mm (4.96 in.)	54 mm (2.13 in.)
ACV40L-CEASKA	128 mm (5.04 in.)	57 mm (2.24 in.)
ACV40L-CEMSKA	127 mm (5.00 in.)	55 mm (2.17 in.)
GSV40L-CETSKA	129 mm (5.08 in.)	58 mm (2.28 in.)

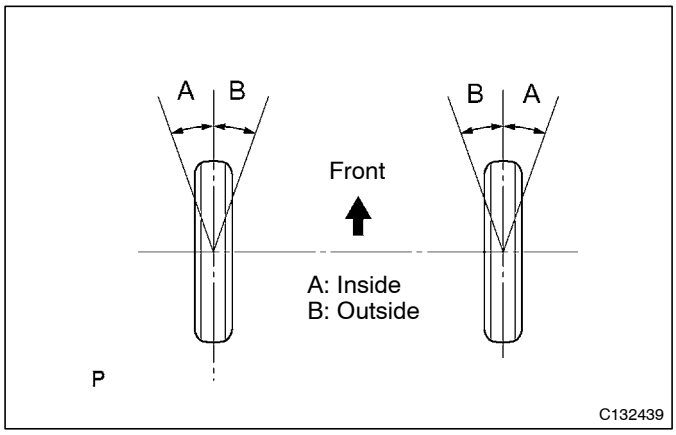
for Mexico:

Model	Front A – B	Rear C – D
ACV40L-CEAGKA	115 mm (4.53 in.)	40 mm (1.57 in.)
GSV40L-CETGKA	116 mm (4.57 in.)	41 mm (1.61 in.)
ACV40L-CEANKA	115 mm (4.53 in.)	40 mm (1.57 in.)

for General export:

Model	Front A – B	Rear C – D
ACV40L-AEANKW	115 mm (4.53 in.)	38 mm (1.50 in.)
ACV40R-AEANKW	115 mm (4.53 in.)	38 mm (1.50 in.)
ACV40L-AEMNKW	117 mm (4.61 in.)	42 mm (1.65 in.)
ACV40R-AEMNKW	117 mm (4.61 in.)	42 mm (1.65 in.)
GSV40L-AETGKW	117 mm (4.61 in.)	42 mm (1.65 in.)
GSV40R-AETGKW	117 mm (4.61 in.)	42 mm (1.65 in.)

Standard wheel angle:



for USA and Canada:

Model	Inside wheel	Outside wheel (reference)
ACV40L-CEAGKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
GSV40L-CETGKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-AEAGKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
GSV40L-AETGKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-CEANKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-CEMNKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
GSV40L-CETNKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-AEANKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-AEMNKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
GSV40L-AETNKA	38°22' +–2° (38.37° +–2°)	33°33' (33.55°)
ACV40L-CEASKA	38°42' +–2° (38.70° +–2°)	33°46' (33.77°)
ACV40L-CEMSKA	38°42' +–2° (38.70° +–2°)	33°46' (33.77°)
GSV40L-CETSKA	38°18' +–2° (38.30° +–2°)	33°32' (33.53°)

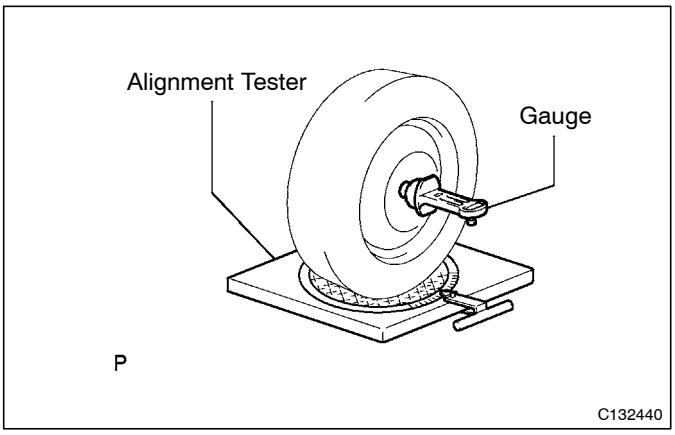
for Mexico:

Model	Inside wheel	Outside wheel (reference)
ACV40L-CEAGKA	38°18' +–2° (38.30° +–2°)	33°41' (33.68°)
GSV40L-CETGKA	38°18' +–2° (38.30° +–2°)	33°41' (33.68°)
ACV40L-CEANKA	38°18' +–2° (38.30° +–2°)	33°41' (33.68°)

for General export:

Model	Inside wheel	Outside wheel (reference)
for General export	38°42' +–2° (38.70°+– 2°)	33°46' (33.77°)

Standard camber inclination:



for USA and Canada:

Model	Camber	Right-left difference
ACV40L-CEAGKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
GSV40L-CETGKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-AEAGKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
GSV40L-AETGKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-CEANKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-CEMNKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
GSV40L-CETNKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-AEANKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-AEMNKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
GSV40L-AETNKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-CEASKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
ACV40L-CEMSKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less
GSV40L-CETSKA	−0°40' +−45' (−0.67° +−0.75°)	45' (0.75°) or less

for Mexico:

Model	Camber	Right-left difference
ACV40L-CEAGKA	−0°35' +−45' (−0.58° +−0.75°)	45' (0.75°) or less
GSV40L-CETGKA	−0°35' +−45' (−0.58° +−0.75°)	45' (0.75°) or less
ACV40L-CEANKA	−0°35' +−45' (−0.58° +−0.75°)	45' (0.75°) or less

for General export:

Model	Camber	Right-left difference
for General export	−0°30' +−45' (−0.50°+− 0.75°)	45' (0.75°) or less

Standard caster inclination:

for USA and Canada:

Model	Caster	Right-left difference
ACV40L-CEAGKA	3°00' +–45' (3.00° +–0.75°)	45' (0.75°) or less
GSV40L-CETGKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
ACV40L-AEAGKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
GSV40L-AETGKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
ACV40L-CEANKA	3°00' +–45' (3.00° +–0.75°)	45' (0.75°) or less
ACV40L-CEMNKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
GSV40L-CETNKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
ACV40L-AEANKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
ACV40L-AEMNKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
GSV40L-AETNKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
ACV40L-CEASKA	3°00' +–45' (3.00° +–0.75°)	45' (0.75°) or less
ACV40L-CEMSKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less
GSV40L-CETSKA	2°55' +–45' (2.92° +–0.75°)	45' (0.75°) or less

for Mexico:

Model	Caster	Right-left difference
ACV40L-CEAGKA	2°45' +–45' (2.75° +–0.75°)	45' (0.75°) or less
GSV40L-CETGKA	2°40' +–45' (2.67° +–0.75°)	45' (0.75°) or less
ACV40L-CEANKA	2°45' +–45' (2.75° +–0.75°)	45' (0.75°) or less

for General export:

Model	Caster	Right-left difference
for General export	2°40' +– 45' (2.67°+– 0.75°)	45' (0.75°) or less

Steering axis inclination:

for USA and Canada:

Model	Steering axis inclination	Right-left difference
ACV40L-CEAGKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
GSV40L-CETGKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-AEAGKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
GSV40L-AETGKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-CEANKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-CEMNKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
GSV40L-CETNKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-AEANKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-AEMNKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
GSV40L-AETNKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-CEASKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
ACV40L-CEMSKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less
GSV40L-CETSKA	12°15' +–45' (12.25° +–0.75°)	45' (0.75°) or less

for Mexico:

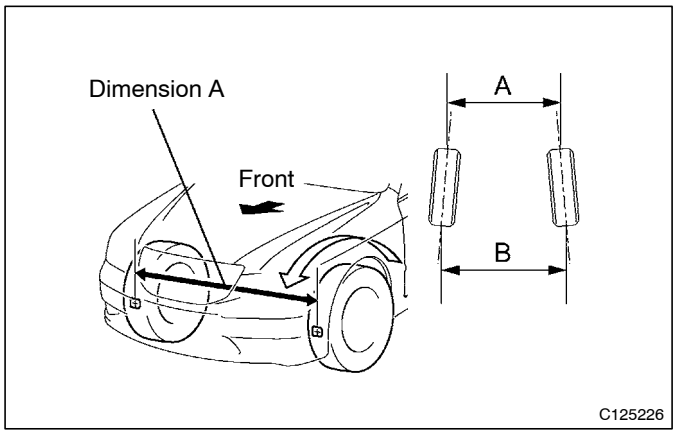
Model	Steering axis inclination	Right-left difference
ACV40L-CEAGKA	12°00' +–45' (12.00° +–0.75°)	45' (0.75°) or less
GSV40L-CETGKA	12°00' +–45' (12.00° +–0.75°)	45' (0.75°) or less
ACV40L-CEANKA	12°00' +–45' (12.00° +–0.75°)	45' (0.75°) or less

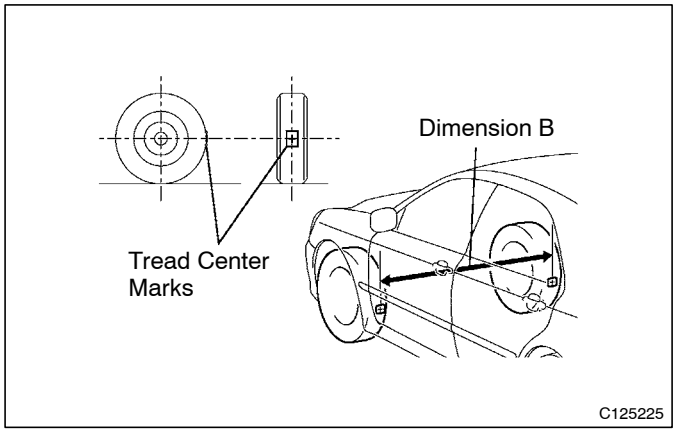
for General export:

Model	Steering axis inclination	Right-left difference
for General export	12°00' +– 45' (12.00°+– 0.75°)	45' (0.75°) or less

Standard Toe-in (total):

A – B:	0 +– 2 mm (0 +– 0.08 in.)

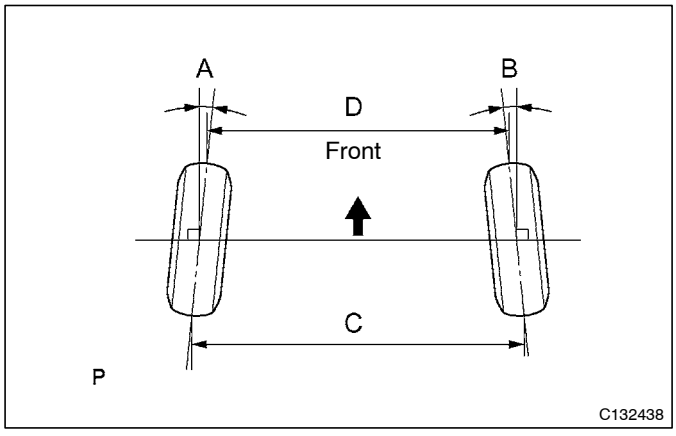




2. REAR WHEEL ALIGNMENT

Standard toe-in:

Toe–in (total)	—
A + B: C – D:	0° +– 24' (0° +– 0.4°) 4 +– 2 mm (0.16 +– 0.08 in.)



Standard camber:

for USA and Canada:

Model	Camber	Right-left difference
ACV40L-CEAGKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
GSV40L-CETGKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
ACV40L-AEAGKA	−1°15' +−45' (−1.25° +−0.75°)	45' (0.75°) or less
GSV40L-AETGKA	−1°15' +−45' (−1.25° +−0.75°)	45' (0.75°) or less
ACV40L-CEANKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
ACV40L-CEMNKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
GSV40L-CETNKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
ACV40L-AEANKA	−1°15' +−45' (−1.25° +−0.75°)	45' (0.75°) or less
ACV40L-AEMNKA	−1°15' +−45' (−1.25° +−0.75°)	45' (0.75°) or less
GSV40L-AETNKA	−1°15' +−45' (−1.25° +−0.75°)	45' (0.75°) or less
ACV40L-CEASKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
ACV40L-CEMSKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less
GSV40L-CETSKA	−1°18' +−45' (−1.30° +−0.75°)	45' (0.75°) or less

for Mexico:

Model	Camber	Right-left difference
ACV40L-CEAGKA	−1°06' +−45' (−1.10° +−0.75°)	45' (0.75°) or less
GSV40L-CETGKA	−1°06' +−45' (−1.10° +−0.75°)	45' (0.75°) or less
ACV40L-CEANKA	−1°06' +−45' (−1.10° +−0.75°)	45' (0.75°) or less

for General export:

Model	Camber	Right-left difference
for General export	−1°00' +−45' (−1.00° +−0.75°)	45' (0.75°) or less