

Subject

Market

Best Practice for Tire Rotation / Nitrogen Filling Procedures

USA

Service Category

Section

Suspension

Tire/Wheel

Applicability

All Models

APPLICABLE VEHICLES

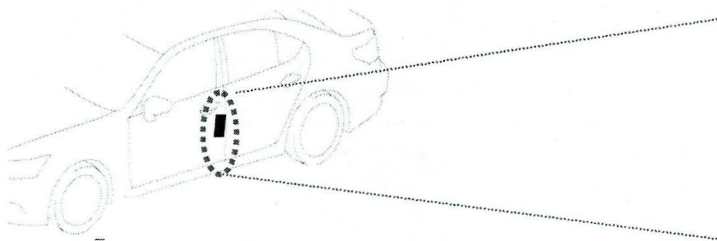
2010-2013	IS250C	2005-2010	SC430
2008-2013	LS600H	2012	LFA
2005-2006	GS300	2006-2013	IS250
2006-2008	RX400H	2005	IS300
2008-2011	GS460	2007-2011, 2013	GS450H
2010-2012	HS250H	2013	ES300H
2005-2006	ES330	2007-2013	ES350
2007-2013	LS460	2005-2009	GX470
2010-2013	GX460	2005-2007	LX470
2010-2013	RX450H	2007-2011, 2013	GS350
2011-2013	CT200H	2006-2013	IS350
2007-2013	RX350	2005-2006	RX330
2010-2013	IS350C	2005-2007	GS430
2005-2006	LS430	2013	IS F
2008-2013	LX570		

RECOMMENDATIONS

Tire Rotation Best Practices

Please refer to the following recommendations for the best practices for vehicle tire rotations.

- Prior to tire rotation, use the quick reference chart below to verify the size of the lug nut, the lug nut torque specifications, and the tire pressure. The quick reference chart is applicable to current generation vehicles only.
- It is recommended to rotate tires as specified in the vehicle repair or owner's manual.
- For proper tire inflation, please refer to the corresponding "Tire Inflation Pressure Compensation and Adjustment" bulletin, for the listed Lexus models.
- Reference to the Tire Pressure Label on the vehicle for the proper tire inflation pressure.



SEATING CAPACITY: TOTAL 7 FRONT 2, REAR 5 The combined weight of occupants and cargo should never exceed 500 kg or 1100 lb.			NOMBRE DE PLACES: TOTAL 7 AVANT 2, ARRIÈRE 5 Le poids total des occupants et du chargement ne doit jamais dépasser 500 kg ou 1100 lb.		
TIRE	SIZE	COLD TIRE PRESSURE	PNEU	DIMENSIONS	PRESSION DES PNEUS À FROID
FRONT	P265/60R18	220kPa, 32PSI	AVANT	P265/60R18	220kPa, 32PSI
REAR	P265/60R18	220kPa, 32PSI	ARRIÈRE	P265/60R18	220kPa, 32PSI
SPARE	P265/60R18	220kPa, 32PSI	DE SECOURS	P265/60R18	220kPa, 32PSI

SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION. VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS.

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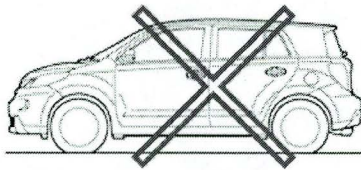
Nitrogen Filling Procedures

Some customers may complain about vehicle vibration due to incorrect tire balance following a nitrogen refill. It has been found that nitrogen replacement may cause tire out of balance conditions if the tire is deflated and refilled with weight on the tire. When the original air in a tire is evacuated during the replacement procedure, the internal pressure against the tire carcass is reduced. If the vehicle is *on the ground* during this procedure, the low tire inflation pressures may cause the tire sidewall to compress.

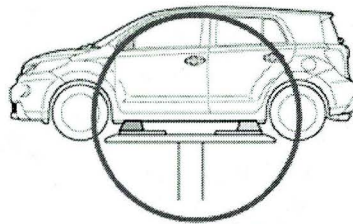


When performing nitrogen replacement procedure with the tire/wheel on the vehicle, ensure the vehicle is lifted on a rack or jack stands. This prevents the weight of the vehicle from compressing the tire sidewall when tire pressure is reduced.

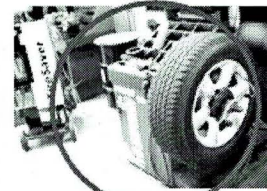
Alternatively, the nitrogen replacement procedure may also be performed with the wheel/tire removed from the vehicle and suspended off the ground; for example, on a wheel/tire balancer machine.



On the ground



Lifted up



On a machine

LINK REFERENCES

This Tech Tip does not contain any link references