

Subject		Market
Front/Rear Wheel Offset and Width		USA
Service Category	Section	
Brake	Brake (front)	
Applicability		
IS GS LC RC		

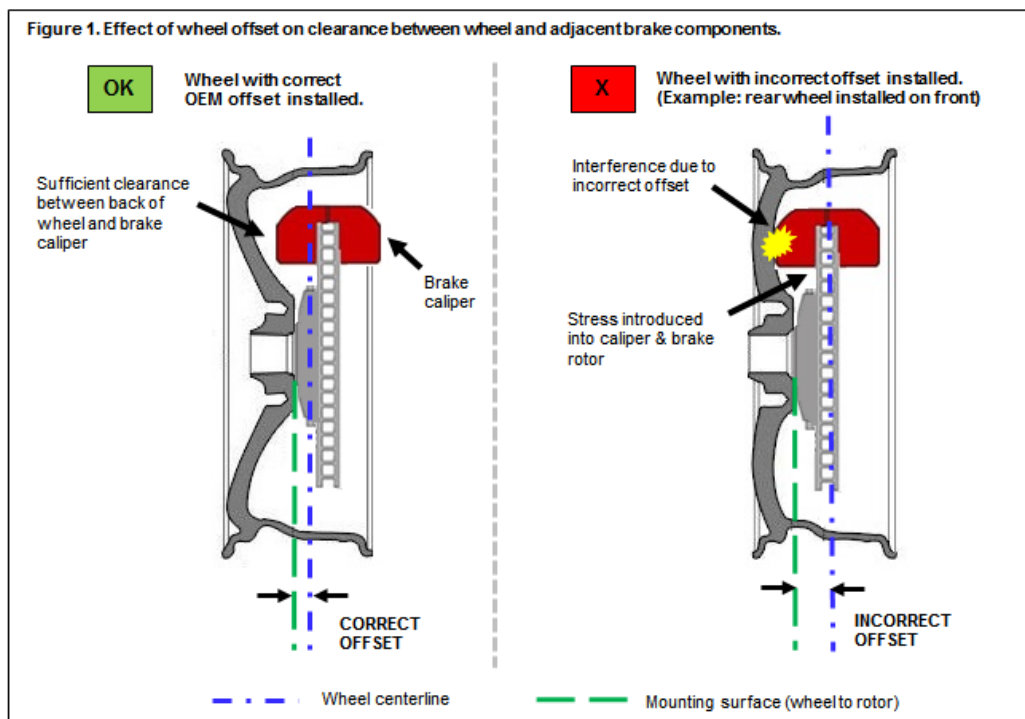
APPLICABLE VEHICLES

2015-2019	RC F	2015-2019	RC350
2010-2015	IS250C	2016-2019	GS F
2016-2019	RC300	2018-2019	GS300
2018-2019	LC500	2018-2019	LC500H
2006-2015	IS250	2013-2019	GS350
2016-2017	GS200T	2016-2019	IS300
2006-2019	IS350	2016-2017	IS200T
2010-2015	IS350C	2013-2018	GS450H
2008-2014	IS F	2016-2017	RC200T

CONDITION

Some models are equipped with front and rear wheels of different offsets or width. Wheel offset, defined as the distance between the wheel's centerline and the wheel-to-rotor mounting surface, affects the clearance between the back of the wheel and surrounding brake components (Figure 1).

Installation of a wheel with an offset or width different than the correct specification, such as installing the rear wheel on the front, can cause damage to brake components due to interference between the wheel and adjacent parts. The wheel could contact the brake caliper thereby introducing stress into the caliper, brake rotor, and potentially other components. In some cases, this stress could contribute to cracking or separation of the brake rotor.

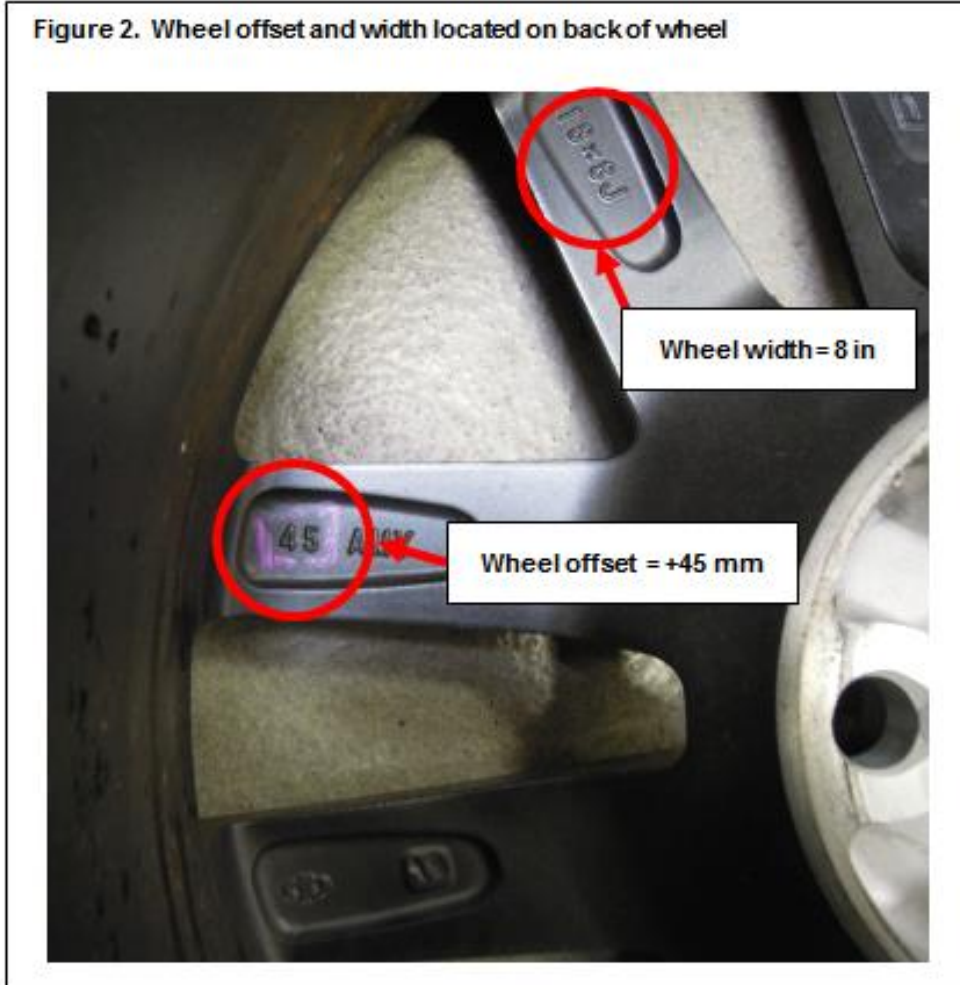


Subject	Market
Front/Rear Wheel Offset and Width	USA
Applicability	
IS GS LC RC	

Note that wheels of different offsets or width can appear virtually identical even when compared side by side and therefore the wheels can be inadvertently swapped. Offset and width can be identified by inspecting the back of the wheel (Figure 2).

Wheel offset information is also available on TIS in the Suspension (Tire/Wheel) section in New Car Features. Tire size information is located on the vehicle's tire placard.

Figure 2. Wheel offset and width located on back of wheel



Subject	Market
Front/Rear Wheel Offset and Width	USA
Applicability	
IS GS LC RC	

Figure 3. Caliper w/witness mark

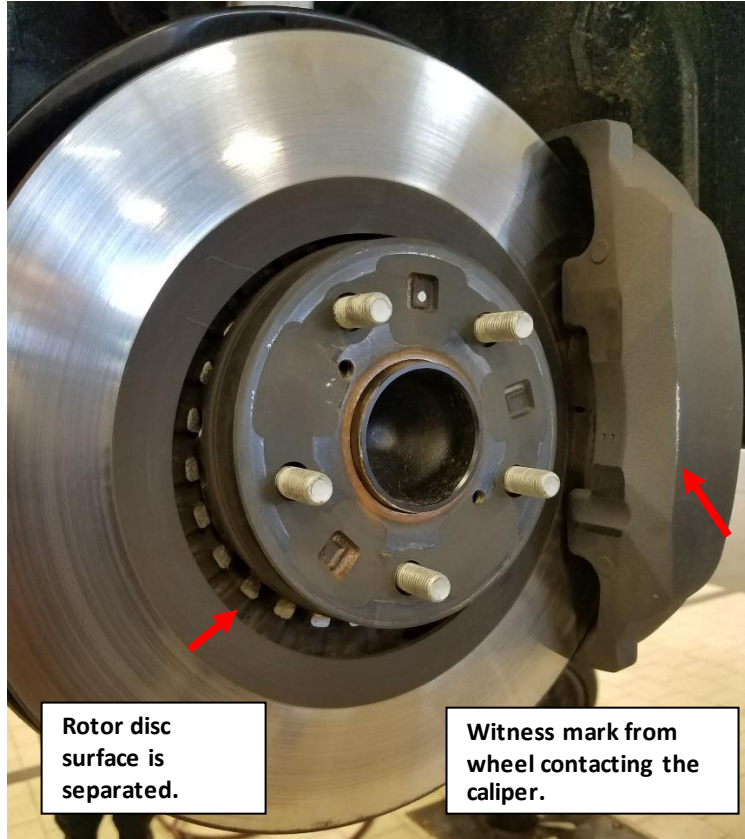


Figure 4. Wheel w/witness mark



RECOMMENDATIONS

- Ensure front and rear wheels are installed at the proper location on the vehicle.
- If damage is evident on the brake caliper and corresponding wheel, replace the brake rotor. (Figure 3 and 4)

LINK REFERENCES

This Tech Tip does not contain any link references