

# **Toolbox Talk**

## Winter Driving: Anti-Lock Braking Systems (ABS)

while most people are aware that their to lock up and the car could start to skid. it.

determine if a wheel is on the verge of and try not to 'panic freeze'. locking up during heavy braking. If a wheel tries to lock up, a series of hydraulic ABS: avoiding a collision pressure on the wheel/s to prevent skid- only if you know what it does and how to ing control.

However, ABS shouldn't be used as an applied, yet the driver can still steer the tems (such as ETC, DSC, excuse to drive into hazards more quickly, car to avoid a collision. or drive closer to the vehicle in front. Plus, on slippery surfaces, bear in mind that ABS doesn't work as well – and on sheet ice, nothing will stop you except crashing into the kerbside or another object. Safe speed is the key for winter driving.

### **Braking without ABS In Emergency**



Most modern cars are fitted with ABS, but to avoid hitting anything. older models - such as those that young drivers may consider as a first car - are Myth 1: ABS is a bad thing in winter unlikely to be equipped with the system. conditions. However, drivers can almost create their It is true that even when ABS is operating

Stringent safety regulations mean anti- ted. If you find yourself travelling too tance is likely to be inlock braking systems (ABS) are a stand- quickly in wet or slippery conditions and creased. However, ABS ard feature on most cars these days. But try to stop suddenly, the wheels are likely prevents wheel lock-up model is equipped with the set-up, few In order to stop without skidding, rhythmi- ue to steer effectively raknow what it does, or how it should be cally pump your foot up and down on the ther than sliding out of control - and this is used if they're in a situation that demands brake. This will essentially replicate what usually beneficial when trying to avoid an ABS system does, albeit nowhere near obstacles, people and other cars in an as effectively. Remember to look where emergency braking situation. It's very un-The ABS braking system uses sensors to you want the car to go and steer there, likely that you'll be able to disable ABS in

valves limits and reduces the braking ABS is a fantastic aid to driver safety, but system that could save your life. ding and allow the driver to maintain steer- use it in emergencies – which many peo- Myth #2: You should turn off traction ple don't. The key benefit of the system is control when it snows that it allows maximum braking force to be Most traction control sys-

and allows you to contin-



a modern car so it's best to learn how to use it effectively, understand its limitations and accept that it's a well proven safety

ESP) can reduce engine power and/or apply the brakes in response to



spinning wheels. When driving in winter conditions, it is especially beneficial to keep these systems active as they are much more capable of maintaining traction (and keeping you on the road) than most humans. However there are occasions when a reduction in power can hinder progress (for example when stuck in deep However, many people in that situation snow), and only then should these sys-

### ACTIVITY

- 1. Determine whether your vehicle is equipped with ABS and Traction control.
- 2. Have your winter tires inspected for tread wear by your mechanic.

own ABS in a car that doesn't have it fit- in slippery conditions, your stopping dis-

INSTRUCTIONS: Review the contents of the Toolbox Talk with all participants, ideally as a group. Review the DISCUSSION section, soliciting responses from participants to the questions posed. Where provided, complete the ACTIVITY outlined with the participants, as a means to reinforce key messages provided in the Toolbox Talk. Additional follow-up may be necessary to ensure workers are able to apply the knowledge from this Toolbox Talk in their regular tasks. If there are any questions on the topic provided, please contact your Health & Safety Department representative. Post the completed Toolbox Talk on the Health & Safety Wall at the workplace. Ensure all participants have signed the Daily Huddle form.



will often 'panic freeze', and continue to tems be temporarily switched off. If you look in front of them, steering in a straight have tried pulling away unsuccessfully line and potentially hitting an obstacle try turning the systems off and having anahead. To stop this from happening, shout other go. If this doesn't work you'll need to 'brake and steer'. Saying this out loud consider your options. should help you focus your thought process, giving you time to act appropriately



## Toolbox Talk: Winter Driving - ABS

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Facilitator:			
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