

Critical Risk: Potential for Unattended Trucks to Roll Away

Date: March 2019 - UPDATED 27 May 2019 CAMs-179323

1. Introduction

The potential for an unattended truck to roll away in an out of control manner is a critical risk.

This Red Alert supersedes the email issued on the 15 March 2019 which suspended the use of Nissan Truck models; CG380, CG400, CK330, CM180, CW330, CW380, CW400, manufactured between 1993 & 2005.

Further, this Red Alert has now been updated to include QR code links to supporting information and, to address questions and improvements suggested by the wider Fulton Hogan business.

NB: This Red Alert may be updated further to include other makes and models of trucks if it becomes clear that other manufacturers are using the same hand brake mechanism that is used in the models above.

2. Mandatory Requirements

2.1 Nissan Trucks

Nissan Truck models; CG380, CG400, CK330, CM180, CW330, CW380, CW400, manufactured between 1993 & 2005 are not permitted on any Fulton Hogan sites. And, in addition, these trucks are not to be operated by Fulton Hogan employees on any other sites. These mandatory requirements apply unless these trucks have been fitted with a replacement, alternative (**not the same as the original**), approved, aftermarket hand brake that complies with the Heavy Vehicle Brake Rule 32015. Relocating the handbrake away from the door side of the driver should also be considered where practical.

It is strongly recommended that customers who use these trucks to pick up materials from our quarries also make these modifications. In light of this they should each be given a copy of this alert and the May 2017 NZTA safety alert attached. **Unless the improvements described above have been made, quarry customers operating these trucks must not be permitted to leave the cab of their vehicle while at the quarry.**

These modifications to the factory fitted handbrake are necessary because once wear occurs the lock pin is able to hold the brakes on but may not actually be fully engaged. Consequently, the hand brake can be unintentionally released via a knock or vibration.

2.2 Minimum Requirements for Subcontractor Plant and Hired Plant

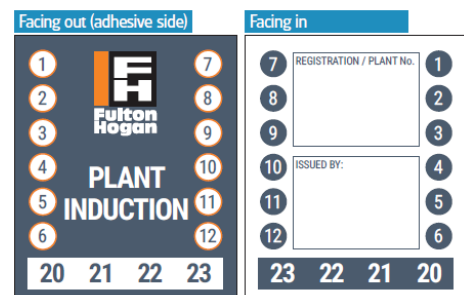
From 1 July 2019 all subcontracted and hired in plant must comply with the minimum requirements listed in the table below.

Plant that meets these minimum requirements can be approved for use by a qualified mechanic or a competent FH: manager, supervisor or site foreman. Approvals will be valid for 12 months.

Approved plant is to be 'stickered' accordingly. Inspection records (checklist attached) shall be kept by the approving Region or Project. Stickers and checklist books are available through FH Signs & Graphics

The procurement team will work with our preferred plant hire providers to implement this with them.

If other tier 1 contractors chose to adopt this same approach, then the stickers can be jointly branded.



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It is acknowledged that this manual system may be able to be improved further through the use of technology. Options will be investigated as time and resources permit.

Table of: Subcontracted and Hired in Plant Minimum Requirements

Minimum Requirements	Trucks	Excavators	Cranes	Other Mobile Plant
Legal Requirements (Where legally required)				
Registration	✓	✓	✓	✓
RUCs	✓		✓	
COF	✓		✓	✓
Current Crane Certification			✓	
FH Requirements				
Reversing alarm	✓	✓	✓	✓
Flashing Light	✓	✓	✓	✓
Seatbelts fitted	✓	✓	✓	✓
Park brake alarms	✓			
Swinging tail door locked out	✓			
Antiburst valves fitted (All lifting equipment > 7tn)		✓	✓	
ROPs / FOPs / TOPs fitted		✓		✓
Two stage quick hitch (or pinned)		✓		
Certified lifting point		✓		Loaders
Vehicle Prestart Check (Daily)	✓	✓	✓	✓
Air Compressors: Must be fitted with securing straps or double-eye, stocking-style, whip-socks to prevent the hose / pipe from flailing if it uncouples				
Nissan Truck models; CG380, CG400, CK330, CM180, CW330, CW380, CW400, manufactured between 1993 & 2005 are not permitted on FH sites unless these trucks have been fitted with a replacement, approved, aftermarket hand brake that complies with the Heavy Vehicle Brake Rule 32015.				

2.3 Safe Parking Resources

Relevant resources including a pictorial (GoTo) guide to identifying at risk Nissan trucks, and a brief video showing the shortcomings of the original hand brake mechanism can be accessed by scanning the QR code shown here.



When parking, there are three simple practices that must be applied. These dramatically reduce the risk of a runaway vehicle: (1) Hand brake on, (2) In gear (or park), (3) Wheels to the kerb

3. Additional Notes

It is acknowledged that the implementation of these controls will require conscientious management, time and resources.

Relevant, historical, Red Alert requirements will be included and kept up to date in the new Living Safely Health & Safety Manual due for publication in July.

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Thank you for your help with the implementation of these requirements.

4. Revision History

Date	Author	Brief Description of change
16 March 2019	T Talbot	Initial Draft
18 March 2019	T Talbot	Final version for publication
19 March 2019	T Talbot	Added CAMs number and corrected response date (Pg4)
19 March 2019	T Talbot	Corrected second response date (Pg4)
15 April 2019	T Talbot	2 nd version for publication
27 May 2019	T Talbot	3rd version for publication

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5. Closeout Requirements

Please discuss this Red Alert with your teams, complete the items below and return to your Safety Manager. They will collate all responses for the business unit and send a single confirmation to the HSQES Analyst at nzincident@fultonhogan.com before 30 July 2019.

5.1. What date was this Red Alert communicated to the workplace: ____/____/20____

5.2. Have all relevant people been informed in your Region or Project? **Yes / No**5.3. Have all the actions and recommendations been implemented? **Yes / No**5.3.1 Nissan truck models CG380, CG400, CK330, CM180, CW330, CW380, and CW400 manufactured between 1993 & 2005 have either been removed from site OR have been appropriately modified. **Yes / No**5.3.2 Quarry customers using the Nissan truck models above have been advised to remain in the cabs at all times and have been provided with the May 2017 NZTA alert OR their trucks have been appropriately modified. **Yes / No**5.3.3 The Region / Project has communicated the subcontractor plant requirements to all subcontractors and has a plan in place to ensure all plant on site is signed off to the minimum requirements by 30 July 2019. **Yes / No**5.3.4 The two KnowHow videos have been shown to, and discussed with, all operational staff. **Yes / No**

5.4. If 'no' (5.3 above) please explain why

In signing this document, I confirm that the actions above have been completed in this region/project.

Region / Project: _____

Region / Project Manager Name: _____

Signature: _____

Date: _____

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Subcontracted and Hired in Plant Minimum Requirements - Checklist

Plant Description:	Inspected By:
Make & Model:	Organisation:
Registration / Fleet #	Date:
Owned By:	

Minimum Requirements	Trucks		Excavators		Cranes		Other Mobile Plant	
	Required	Comply	Required	Comply	Required	Comply	Required	Comply
Legal Requirements (Where legally required)								
Registration	✓		✓		✓		✓	
RUCs	✓				✓			
COF	✓				✓		✓	
Current Crane Certification					✓			
FH Requirements								
Reversing alarm	✓		✓		✓		✓	
Flashing Light	✓		✓		✓		✓	
Seatbelts fitted	✓		✓		✓		✓	
Park brake alarms	✓							
Swinging tail door locked out	✓							
Antiburst valves fitted (All lifting equipment > 7tn)			✓		✓			
ROPs / FOPs / TOPs fitted			✓				✓	
Two stage quick hitch (or pinned)			✓					
Certified lifting point			✓				Loaders	
Vehicle Prestart Check (Daily)	✓		✓		✓		✓	
Project Specific Requirements								

Air Compressors: Must be fitted with securing straps or double-eye, stocking-style, whip-socks to prevent the hose / pipe from flailing if it uncouples

Nissan Truck models: CG380, CG400, CK330, CM180, CW330, CW380, CW400, manufactured between 1993 & 2005 are not permitted on FH sites unless these trucks have been fitted with a replacement, approved, aftermarket hand brake that complies with the Heavy Vehicle Brake Rule 32015.

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**nissan trucks
park brake control valves**

scope

Specific model Nissan trucks between 1993 and 2005 have been found to have a park brake control valve that due to wear, can inadvertently release and allow the parked truck to run away.

The following details how to identify and manage this risk

qualifications, skills and training

Only operate if you have the appropriate class of licence, are trained and competent and have a current CTO and have the skills to do the assigned task safely



1



NISSAN DIESEL

... Identify any potential Nissan trucks on site
... look for the UD logo or a NISSAN DIESEL logo on the front Grill

2



... find the vehicles registration label on the windscreen and identify the model and the vehicle year

look for Nissan trucks from 1993 to 2005 inclusive

3

we are only looking for these seven models

CW380



CK330



CG400



CM180



CW400



CG380



CW330



www.cariam.co.nz is a easy way to identify truck makes and models via their number plates

scan to go to more info



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... visually check the park brake control valve these are often located to the right of the driver and can be easily knocked off



the truck cannot be used on site if the valve is the genuine Nissan valve



replacement park brake control valve examples

... only allow the truck to be used on site if ... the Nissan park brake control valve has been replaced by an approved alternative valve (not a new Nissan valve) that complies with the Heavy Vehicle brake rule 32015 and has been issued with an LT400 brake code certificate



... there are a number of acceptable replacement options

when parked ...
brakes on - keys off - in gear
 facing downhill ...
wheels towards the kerb
 facing uphill ...
wheels away from kerb



Graham Eaton

We would like to acknowledge the contribution of the following Fulton Hogan staff in preparing this quick guide