

TASK DESCRIPTION VERSE Testing Priming the Jack

Purpose: This work instruction describes how to prime the VERSE Testing Jack and it should be read in conjunction with any site-specific safety instruction or work procedure that may be in place for the duration of the works.





Note: If the frame is stored for an extended period the jack may need to be bled/primed prior to use. The evidence of the jack needing to be bled/primed is that the jack will not operate or that the operation feels “spongy” or soft.

**SAFETY**

Before commencing work, complete a TAKE 5 every time to check that no abnormal conditions exist and complete JHA if prompted by TAKE 5.

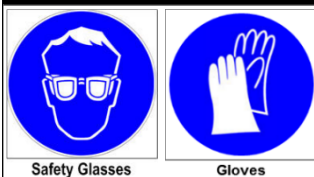
- Do not attempt to bleed/prime a jack that shows signs of leaking oil. If there is evidence that the jack is leaking, the unit should be returned to maintenance for further investigation/repair.

MATERIAL RISKS AND CONTROLS

Risk	Description of Risk	Critical Controls
 Rolling Stock	There is a high risk of interaction with trains and other rolling stock, and track-mounted machinery.	Track protection – Make sure appropriate levels of track protection are in place. Follow the Train Controller's instructions and safe working procedures. If in doubt, query instructions issued by the TC. Physical barriers – Use derailleurs, barricade work area and place appropriate information and warning signage.
 Entanglement	Entanglement and Crushing.	Always ensure that hands and fingers are clear of any freely pivoted parts when jacking the frame or operating the release valve.
 Attention	Sprains and strains.	Ensure the correct manual handling techniques are adopted for the task and the correct PPE is worn.
 Attention	Trips and falls.	Consider the local site conditions and assess the risk of trips, especially around points and frogs.

ADDITIONAL CONTROLS REQUIRED

Control Type	Reason for Control Requirements
Take 5	This is a minimum standard requirement performed at the start of the task, or if there is any change during the task.

ADDITIONAL PPE REQUIRED

Safety Glasses

Gloves

SPECIFIC COMPETENCIES, KNOWLEDGE AND SKILLS REQUIRED**General:**

- BHP Rail Infrastructure Card / Track Access Card

Personnel Completing VERSE testing must have as a minimum;

- Verification of competency from Pandrol or
- Completion of BHPIO internal LMS VERSE training course: RALVERSETRG

TOOLING AND EQUIPMENT REQUIRED

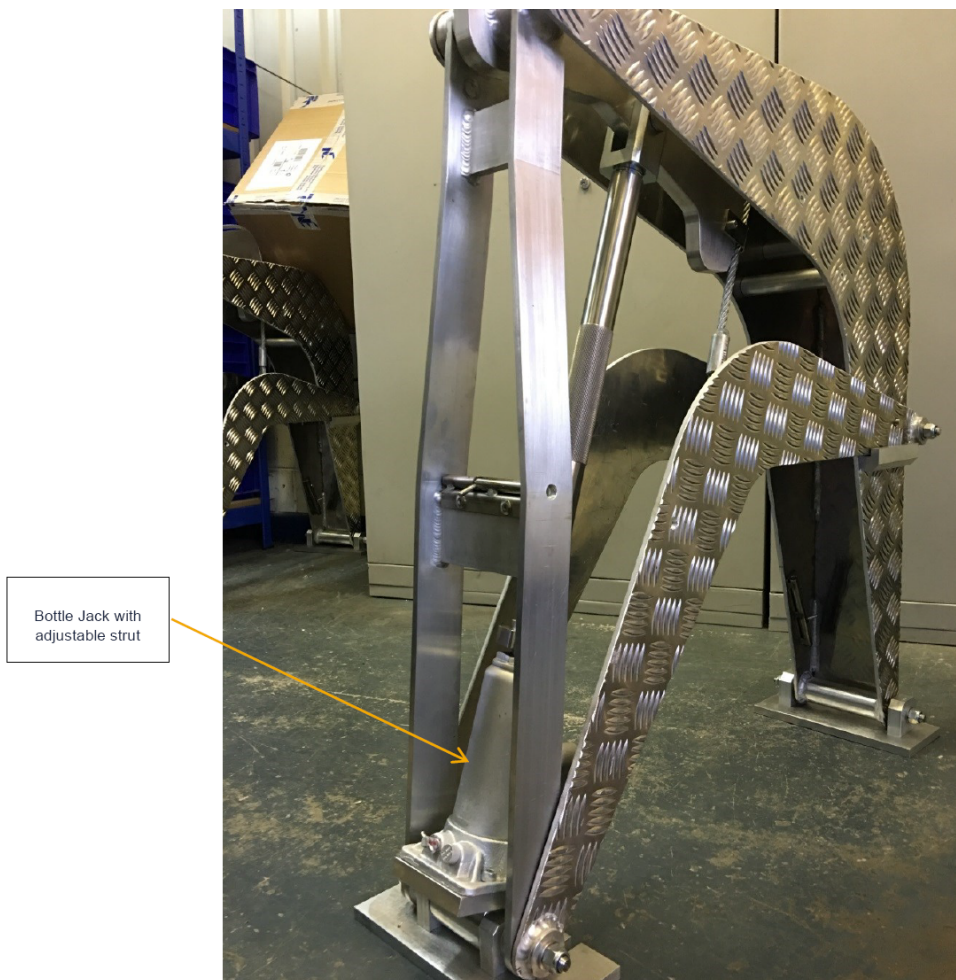
- VERSE Test kit
- VERSE Test unit

REFERENCE DOCUMENTATION

Document Reference Number	Document Description
0125523	Conducting a Take 5
0176109	Pre-Start Insp VERSE Testing Equipment
VERSE Manual	VERSE Manufacturer's Manual (from supplier)

ATTACHED PICTURES, DRAWINGS OR DIAGRAMS

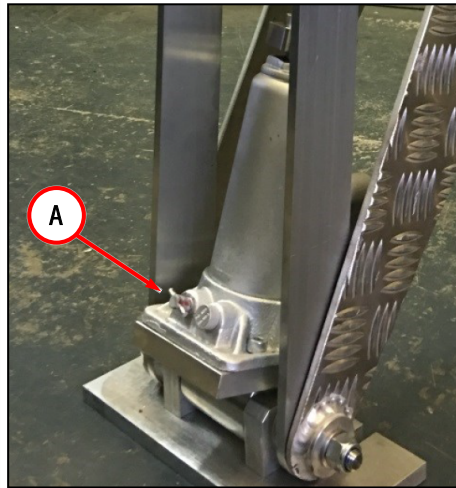
Jack location on the frame.



No.	Task Steps	Photo or Diagram	Notes
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PROCEDURE**1. Priming the Jack**

- 1.1. Locate the release valve (A). Ensure the release valve is open. If not sure, just close the valve fully and open it by turning anti-clockwise (one full turn from fully closed).



Location of release valve (A)



Beware pinch points as the frame may move when the release valve (A) is opened.


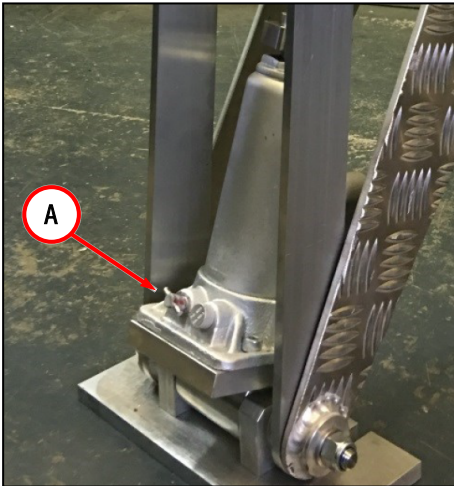
- 1.2. Hold the cam and pull it up until the jack piston is fully extended, as shown.



Correct way of holding the cam plate (upward position)

Work Instruction

0175524

No.	Task Steps	Photo or Diagram	Notes
1.3.	Next push the cam down until the jack piston is fully retracted, as shown.	 <p><i>Pushing the cam plate</i></p>	<p>Note: The operator should feel that the initial drop of the cam from the fully raised position reduces each time the cam is raised and lowered.</p> <p>It typically takes 5 complete cycles to eliminate the initial drop of the cam.</p>
1.4.	To check the jack operation after bleeding, close the release valve (A) and raise the jack, then apply a downward force to the cam, the cam should not lower.	 <p><i>Location of release valve (A)</i></p>	<p>Note: Ensure that the release valve (A) is fully closed prior to storing the VERSE frame.</p>

ADDITIONAL WORK IDENTIFIED

Maintainable Item	Details and comments on Work Required	Notification #

FEEDBACK (To support content improvement)

General Feedback: