



**Gloucestershire Warwickshire Steam Railway Plc**  
**Risk Assessment for Repairing Carriage Floors - Carriage and Wagon**

**Risk Assessment - Repairing Carriage Floors**

Reference No: CAR-44036-86

Version No: 1

Assessment Approver: Kevin 'Kev' Jarvis

This is a task that frequently needs to be undertaken during the refurbishment of Mk 1 coaches. Rotten wood is replaced and sometimes the under frame requires welding and strengthening.

Department: Carriage and Wagon  
Date Of Assessment: 24 July 2020  
Review Due Before: 06 October 2028  
Lead Assessor: A Killey  
Team:

**Stripping Out Rotten Wood and Corroded Steel**

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	Owner/Action
Health and Safety	Injury to Hands, Head or Body An accident with Angle Grinder, Wood Saw or Hand Tool	Volunteers & Staff	1) PPE: Boots, Gloves and Helmet to be worn - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	4	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2	n/a
Health and Safety	Damage to Hands Due to "Hand Arm Vibration" (HAV) Excessing Use of Angle Grinder	Volunteers & Staff	1) Administrative: Amount of Time Using Angle Grinder to be Limited According to HAV's Exposure Document - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2	n/a
Health and Safety	Slip/trip/fall Personnel working in carriage falls through gap where floor section removed	Volunteers & Staff	1) Engineering: Temporary floor coverings used to form walkways - Effective 2) PPE: All volunteers wear safety footwear - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	4	None	n n n	n	n/a
Health and Safety	Foreign object in eye Debris from cutting/removal of panelling. Dirt trapped under panelling. Dirt on underframe	Volunteers & Staff	1) PPE: Volunteers to wear Safety Glasses - Effective	3 x 1 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3	None	n n n	n	n/a

**Fitting Replacement Wooden Floor Panels**



**Gloucestershire Warwickshire Steam Railway Plc**  
**Risk Assessment for Repairing Carriage Floors - Carriage and Wagon**

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S	T	Additional Control Measures	L Overall	S	T	Owner/Action
Health and Safety	Tripping or Falling Through Carriage Floor When moving about a coach with no floor panels or with rotten ones.	Volunteers & Staff	1) Engineering: Temporary Panels are Laid Down onto the Steel Underframe - Effective 2) PPE: Personnel Wear PPE - Effective	1 x	2 =	2	None	1 x	2 =	2	n/a
				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			
Health and Safety	Injury to Hands Working in a Confined Space with Power/Hand Tools	Volunteers & Staff	1) PPE: Personnel wear PPE - Effective	2 x	1 =	2	None	2 x	1 =	2	n/a
				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			

**Strengthening the Underframe by Welding on Additional Steel**

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S	T	Additional Control Measures	L Overall	S	T	Owner/Action
Health and Safety	Burns to Hands Touch Hot Metal during Welding Operations - See Generic Welding RA	Volunteers & Staff	1) PPE: Hand and Eye Protection to be Used when Welding - Effective	3 x	1 =	3	None	3 x	1 =	3	n/a
				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			

**COSHH Assessments**

There are no COSHH assessments associated with this risk assessment.

**Reference Documents**

- Risk Assessment - Electric Arc Welding - Generic RA from 2015 - CW03
- Risk Assessment - Gas Welding and Cutting - Generic RA from 2015 - CW04
- Risk Assessment - Grinding, Sanding and Cutting - Generic RA from 2015

Ends