

## Jump Starting A Dead Battery Risk Assessment

Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Email:	

## THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

## CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			<b>Elimination</b> Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	<b>Substitution</b> Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	<b>Engineering</b> Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	<b>Administrative</b> Change	
								<b>PPE</b>	

### Risk Rating & Required Action:

4A	Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

### Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

### Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- Eliminate**
- Substitute
- Isolate
- Engineering
- Administrative
- PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

*aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.*

JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	inadequate planning, lack of tools	3H	<ul style="list-style-type: none"> <li>- Ensure a detailed plan for the task is in place.</li> <li>- Gather necessary tools such as jumper cables and safety gear.</li> <li>- Review the manufacturer's instructions for both vehicles.</li> <li>- Ensure adequate lighting in the work area.</li> <li>- Assemble a team to assist if necessary.</li> <li>- Discuss the plan with everyone involved.</li> <li>- Confirm everyone understands their roles.</li> <li>- Determine clear workspace around vehicle.</li> <li>- Identify nearest emergency exits.</li> <li>- Ensure first aid kit is available.</li> </ul>	2M
2. Inspect Batteries	damaged battery, acid leakage	3H	<ul style="list-style-type: none"> <li>- Wear protective gloves and safety goggles.</li> <li>- Check for cracks or leaks in battery housing.</li> <li>- Handle batteries carefully to avoid spills.</li> <li>- Dispose of leaking battery according to guidelines.</li> <li>- Use a flashlight to better examine areas.</li> <li>- Avoid direct contact with acid spills.</li> <li>- Place batteries in a proper holder.</li> <li>- Ensure ventilation in the area.</li> <li>- Have tools to clean up acid spills ready.</li> <li>- Notify supervisor of any damaged batteries.</li> </ul>	2M
3. Position Vehicles	vehicle collision, slip hazards	3H	<ul style="list-style-type: none"> <li>- Park vehicles on a flat, stable surface.</li> <li>- Ensure parking brakes are engaged on both vehicles.</li> <li>- Maintain a safe distance to avoid collisions.</li> <li>- Clear area of debris and obstacles.</li> <li>- Use wheel chocks where necessary.</li> <li>- Guide vehicles manually if needed.</li> <li>- Check for oil spills or other slip hazards.</li> <li>- Turn off both vehicle engines before connecting cables.</li> </ul>	2M

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			<ul style="list-style-type: none"> <li>- Ensure gear is in neutral or park.</li> <li>- Use spotters where necessary.</li> </ul>	
4. Turn Off Electrical Systems	electrical short circuit, unintended activation	3H	<ul style="list-style-type: none"> <li>- Ensure all electrical systems are turned off before working on the vehicle.</li> <li>- Use proper lockout/tagout procedures.</li> <li>- Verify that the vehicle is in a safe state before proceeding.</li> <li>- Use insulated tools and equipment.</li> <li>- Keep a safe distance from live electrical components.</li> <li>- Wear appropriate PPE (gloves, safety glasses).</li> <li>- Have a fire extinguisher nearby.</li> <li>- Avoid touching electrical components while the vehicle is running.</li> <li>- Use caution when working near the battery.</li> <li>- Do not smoke or use open flames near the battery.</li> <li>- Avoid contact with electrolyte.</li> <li>- Use proper lifting techniques for the battery.</li> <li>- Do not over-tighten terminals.</li> <li>- Clean terminals and cables regularly.</li> <li>- Check for corrosion and damage.</li> <li>- Replace damaged cables and terminals.</li> <li>- Test the electrical system after completion.</li> <li>- Document all work performed.</li> <li>- Communicate with the customer throughout the process.</li> <li>- Follow all manufacturer instructions.</li> <li>- Stay organized and clean the work area.</li> <li>- Use proper disposal methods for any waste.</li> <li>- Report any safety concerns immediately.</li> <li>- Maintain accurate records of all work.</li> <li>- Stay up-to-date on industry regulations.</li> <li>- Participate in ongoing training and education.</li> <li>- Follow all company policies and procedures.</li> <li>- Use common sense and good judgment at all times.</li> <li>- Prioritize safety over speed or convenience.</li> <li>- Take breaks when needed to stay alert.</li> <li>- Stay hydrated and get enough rest.</li> <li>- Avoid alcohol and drugs while working.</li> <li>- Use proper ergonomics to prevent injury.</li> <li>- Keep your workspace well-lit.</li> <li>- Use proper tie-off techniques for ladders.</li> <li>- Do not over-reach while working.</li> <li>- Use caution when using power tools.</li> <li>- Keep your hands and feet clear of moving parts.</li> <li>- Use proper cutting techniques.</li> <li>- Do not wear loose clothing or jewelry.</li> <li>- Tie back long hair.</li> <li>- Use proper lifting techniques for heavy components.</li> <li>- Get help if needed for heavy lifting.</li> <li>- Use proper communication when working with others.</li> <li>- Listen for warnings and alarms.</li> <li>- Do not work alone if it is not safe.</li> <li>- Use proper fall protection when working at heights.</li> <li>- Do not work on a vehicle if it is not properly supported.</li> <li>- Use proper jacking techniques.</li> <li>- Do not work under a vehicle if it is not properly supported.</li> <li>- Use proper communication when working with others.</li> <li>- Listen for warnings and alarms.</li> <li>- Do not work alone if it is not safe.</li> <li>- Use proper fall protection when working at heights.</li> <li>- Do not work on a vehicle if it is not properly supported.</li> <li>- Use proper jacking techniques.</li> <li>- Do not work under a vehicle if it is not properly supported.</li> </ul>	1L
5. Connect Jumper Cables	reverse polarity, sparks	4A	<ul style="list-style-type: none"> <li>- Ensure the correct polarity is connected.</li> <li>- Use proper technique to connect the cables.</li> <li>- Avoid sparks and flames.</li> <li>- Do not touch the cables while the vehicle is running.</li> <li>- Use caution when working near the battery.</li> <li>- Do not smoke or use open flames near the battery.</li> <li>- Avoid contact with electrolyte.</li> <li>- Use proper lifting techniques for the battery.</li> <li>- Do not over-tighten terminals.</li> <li>- Clean terminals and cables regularly.</li> <li>- Check for corrosion and damage.</li> <li>- Replace damaged cables and terminals.</li> <li>- Test the electrical system after completion.</li> <li>- Document all work performed.</li> <li>- Communicate with the customer throughout the process.</li> <li>- Follow all manufacturer instructions.</li> <li>- Stay organized and clean the work area.</li> <li>- Use proper disposal methods for any waste.</li> <li>- Report any safety concerns immediately.</li> <li>- Maintain accurate records of all work.</li> <li>- Stay up-to-date on industry regulations.</li> <li>- Participate in ongoing training and education.</li> <li>- Follow all company policies and procedures.</li> <li>- Use common sense and good judgment at all times.</li> <li>- Prioritize safety over speed or convenience.</li> <li>- Take breaks when needed to stay alert.</li> <li>- Stay hydrated and get enough rest.</li> <li>- Avoid alcohol and drugs while working.</li> <li>- Use proper ergonomics to prevent injury.</li> <li>- Keep your workspace well-lit.</li> <li>- Use proper tie-off techniques for ladders.</li> <li>- Do not over-reach while working.</li> <li>- Use caution when using power tools.</li> <li>- Keep your hands and feet clear of moving parts.</li> <li>- Use proper cutting techniques.</li> <li>- Do not wear loose clothing or jewelry.</li> <li>- Tie back long hair.</li> <li>- Use proper lifting techniques for heavy components.</li> <li>- Get help if needed for heavy lifting.</li> <li>- Use proper communication when working with others.</li> <li>- Listen for warnings and alarms.</li> <li>- Do not work alone if it is not safe.</li> <li>- Use proper fall protection when working at heights.</li> <li>- Do not work on a vehicle if it is not properly supported.</li> <li>- Use proper jacking techniques.</li> <li>- Do not work under a vehicle if it is not properly supported.</li> </ul>	2M
6. Start The Boosting Vehicle	engine failure, exhaust fumes	3H	<ul style="list-style-type: none"> <li>- Ensure the vehicle is in a safe state before starting.</li> <li>- Use proper technique to start the vehicle.</li> <li>- Avoid exhaust fumes.</li> <li>- Do not touch the engine while it is running.</li> <li>- Use caution when working near the battery.</li> <li>- Do not smoke or use open flames near the battery.</li> <li>- Avoid contact with electrolyte.</li> <li>- Use proper lifting techniques for the battery.</li> <li>- Do not over-tighten terminals.</li> <li>- Clean terminals and cables regularly.</li> <li>- Check for corrosion and damage.</li> <li>- Replace damaged cables and terminals.</li> <li>- Test the electrical system after completion.</li> <li>- Document all work performed.</li> <li>- Communicate with the customer throughout the process.</li> <li>- Follow all manufacturer instructions.</li> <li>- Stay organized and clean the work area.</li> <li>- Use proper disposal methods for any waste.</li> <li>- Report any safety concerns immediately.</li> <li>- Maintain accurate records of all work.</li> <li>- Stay up-to-date on industry regulations.</li> <li>- Participate in ongoing training and education.</li> <li>- Follow all company policies and procedures.</li> <li>- Use common sense and good judgment at all times.</li> <li>- Prioritize safety over speed or convenience.</li> <li>- Take breaks when needed to stay alert.</li> <li>- Stay hydrated and get enough rest.</li> <li>- Avoid alcohol and drugs while working.</li> <li>- Use proper ergonomics to prevent injury.</li> <li>- Keep your workspace well-lit.</li> <li>- Use proper tie-off techniques for ladders.</li> <li>- Do not over-reach while working.</li> <li>- Use caution when using power tools.</li> <li>- Keep your hands and feet clear of moving parts.</li> <li>- Use proper cutting techniques.</li> <li>- Do not wear loose clothing or jewelry.</li> <li>- Tie back long hair.</li> <li>- Use proper lifting techniques for heavy components.</li> <li>- Get help if needed for heavy lifting.</li> <li>- Use proper communication when working with others.</li> <li>- Listen for warnings and alarms.</li> <li>- Do not work alone if it is not safe.</li> <li>- Use proper fall protection when working at heights.</li> <li>- Do not work on a vehicle if it is not properly supported.</li> <li>- Use proper jacking techniques.</li> <li>- Do not work under a vehicle if it is not properly supported.</li> </ul>	2M

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7. Start The Dead Vehicle	battery explosion, starter motor failure	4A		2M
8. Remove Jumper Cables	electric shock, burn from hot components	3H		1L
9. Check Vehicle Systems	malfunctioning electronics, fluid leaks	3H		1L

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10. Document and Review	incomplete records, incorrect procedures	2M		1L
11. Clean Up Area	residual materials, trip hazards	2M		1L
12. Training and Reassessment	outdated knowledge, complacency	2M		1L

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13. Emergency Response Preparedness	lack of emergency procedures, insufficient communication	3H		1L
14. Equipment Maintenance	equipment failure, out-of-date equipment	3H		2M
15. Continual Improvement	inflexible procedures, stagnant practices	2M		1L

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			<div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	

SAMPLE



## EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

## LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES IF ANY STATE THAT ARE NOT APPLICABLE

### Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws>

Codes of Practice QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice>

Legislation ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations>

Codes of Practice ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice>

### Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice>

### New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: <https://www.safework.nsw.gov.au/legal-obligations/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-practice>

### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: <https://www.commerce.wa.gov.au/worksafe/legislation>

Codes of Practice WA: <https://www.commerce.wa.gov.au/worksafe/codes-practice>

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

### Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>

Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

### Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work

### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: <https://www.safework.sa.gov.au/resources/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/codes-of-practice#COPs>

### Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations>

Codes of Practice for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice>

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.