Job Matrix:MTA:MTA logos:MTA Logo SPOT 286.eps

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## Occupational Health and Safety Consultant

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For workers and employers in the automotive industry   
and their medical / other providers

### Panel Beater

Task Breakdown & Risk Assessment

Welding

**Purpose of this document**

This tool is a detailed job/task breakdown designed to identify those tasks, their duration and what other supports might be needed to match an injured employee’s work capabilities. This activity is designed to align with any remaining duties to help maintain productivity in the workplace.

This tool is to be used by Medical Specialists, General Practitioners and other providers to help in workplace assessment and is designed to be used in consultation with the injured worker, employer and case manager.

This tool if used early in the injury will help with planning namely - when, how and under what circumstances an employee will return to work. It should also help fellow employees, line managers, employers, family/household persons to understand the injured workers’ capacity and assist counsellors to provide appropriate advice and support

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| Skills Required: |
| |  | | --- | | * Repairing — Repairing machines or systems using the needed tools. | | * Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. | | * Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. | | * Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action. | | * Operation and Control — Controlling operations of equipment or systems. | | * Speaking — Talking to others to convey information effectively. | |
| Abilities: |
| |  | | --- | | * Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences. | | * Information Ordering — The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations). | | * Manual Dexterity — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects. | | * Near Vision — The ability to see details at close range (within a few feet of the observer). | | * Category Flexibility — The ability to generate or use different sets of rules for combining or grouping things in different ways. | | * Control Precision — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions. | | * Oral Expression — The ability to communicate information and ideas in speaking so others will understand. | | * Trunk Strength — The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing. | | * Visualization — The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged. | | * Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position. | |
| Qualifications: |
| Trade certificate or under apprenticeship |

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| SPECIAL SKILLS: | | | | | |
| READ | Moderate | | | WRITE | Occasional |
| SOLVE | Moderate | | | COMMUNICATE | Occasional |
| PRECISION | Constant | | | COORDINATION - FINE | Constant |
| COORDINATION - GROSS | Constant | | | FOOT OPERATIONS | Occasional |
| PPE: | | | | | |
| BOOTS | | Safety | | EYE WEAR | Tinted Safety Glasses |
| HEARING | | Required | | HAIR NET / BEARD | Not Required |
| HEAD GEAR / HELMET | | Required | | SAFETY VEST / CLOTHING | Required |
| SUN PROTECTION - HAT | | Not Required | |  |  |
| ENVIRONMENT: | | | | | |
| TEMPERATURE | | | Controlled Moderate | LIGHTING | Bright |
| NOISE | | | Light Factory | WIND VELOCITY | Indoor |

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| TASK ANALYSIS | |
| Description:  This task may involve the use of either an oxy-acetylene welding torch and/or a spot welder. Postures typically involve standing and/or stooping, dependent upon location on vehicle. Both hands are required; in one instance the dominant hand holds the torch with the non-dominant hand feeding metal into the weld, in the other instance both hands equally used in supporting and controlling the spot welder. | Critical Work Demands:   * Constant standing / walking * Constant gross and fine bilateral motor eye hand coordination * Constant bilateral palmar / pincer grasping * Frequent neck flexion (0°-70°) and extension (0°-45°) * Frequent shoulder flexion (0°-175°), extension (0°-45°) and abduction (0°-175°) * Frequent elbow flexion (0°-140°) * Occasional forearm pronation / supination * Frequent lumbar flexion (forward stooping) * Frequent lifting capacity approximating 15kg |
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