

### Auto Electrical

Task Breakdown & Risk Assessment

Coding keys

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

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**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: |
| * Motor vehicle operation and repair, knowledge of electrical repairs, equipment maintenance, operation monitoring, troubleshooting, operation and control, quality control analysis, critical thinking, equipment selection, active listening, judgment and decision making, handling and moving objects, performing general physical activities, inspecting equipment, structures or material, problem solving, tool operation.
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| SPECIAL SKILLS: |
| READ | Moderate | WRITE | Occasional |
| SOLVE | Moderate | COMMUNICATE | Occasional |
| PRECISION | Occasional | COORDINATION - FINE | Occasional |
| COORDINATION - GROSS | Frequent | FOOT OPERATIONS | Never |
| PPE: |
| BOOTS | Safety | EYE WEAR | Safety Glasses |
| HEARING | Required | HAIR NET / BEARD | Not Required |
| HEAD GEAR / HELMET | Not 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 involves connecting a coding device to the vehicles electronics, usually located under the steering wheel and thus requiring some awkward postures, including lying back, twisting in the thoracic and lumber spine, and frequent squatting. Bilateral dexterity is required to plug in and operate the coding device. | Critical Work Demands:* Frequent squatting /sitting postures
* Occasional turning / twisting postures
* Constant gross and fine bilateral motor eye hand coordination
* Constant bilateral palmar grasping
* Frequent neck flexion (0°-70°) and extension (0°-45°)
* Occasional shoulder flexion (0°-175°), extension (0°-45°) and abduction (0°-175°)
* Occasional elbow flexion (0°-140°)
* Occasional forearm pronation / supination
* Occasional lumbar flexion (forward stooping)
* Occasional lifting capacity approximating 5kg
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