

### Auto Electrical

Task Breakdown & Risk Assessment

Connecting Spot Lights

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

**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 | Simple | WRITE | Occasional |
| SOLVE | Moderate | COMMUNICATE | Occasional |
| PRECISION | Constant | COORDINATION - FINE | Constant |
| COORDINATION - GROSS | Constant | FOOT OPERATIONS | Never |
| PPE: |
| BOOTS | Safety | EYE WEAR | Safety Glasses |
| HEARING | Not 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:The worker fits spot lights onto the front end of the vehicle, usually on a bull bar. They then connect the spot lights to the correct wires under the hood. This may require drilling holes to fit the wires through, as well as placing of bulbs into the spot lights. Postures include frequent stooping and squatting, with gross and fine bilateral motor eye hand coordination and unilateral trigger grip for hand tool operations. | Critical Work Demands:* Constant standing / walking
* Frequent squatting / kneeling postures
* Constant gross and fine bilateral motor eye hand coordination
* Constant bilateral palmar / pincer grasping
* Occasional unilateral trigger grip
* 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°)
* Frequent forearm pronation / supination
* Frequent lumbar flexion (forward stooping)

Occasional lifting capacity approximating 5kg |
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