

Job Dictionary Prepared by:

Ashish NandoskarB.Hlth.Sc. (Anat.Sc.), M.Hlth.Sc.(OHS)

## Occupational Health and Safety Consultant

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

### Auto Electrical

Task Breakdown & Risk Assessment

Replacing Ignition Switch

**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 | Never |
| SOLVE | Simple | COMMUNICATE | Never |
| PRECISION | Frequent | COORDINATION - FINE | Frequent |
| COORDINATION - GROSS | Constant | FOOT OPERATIONS | Occasional |
| 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: The worker requires access to the ignition switch, in the case of a cement mixer located towards the side of the vehicle. Constant standing postures are involved with constant use of the fingers and wrists in operating tools to remove the ignition switch and place a new switch in. The worker is then required to reach behind the switch and connect the wires to the new switch. A hand held sanding tool may be required, involving repetitive back and forth motions against the panel. | Critical Work Demands:* Constant standing
* 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°)
* Frequent forearm pronation / supination
* Frequent lumbar flexion (forward stooping)

Occasional lifting capacity approximating 5kg |
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