



SOP – INSSOP027 - Installation of Caterpillar Safe Cycle

Rev 2 (22/11/2023) – Owner: Chief Executive Officer



ROAD SAFETY RENTAL

1. Objective and Scope

To describe how to correctly install Saferoads Caterpillar Safe Cycle.

2. Safety: Working on or beside a roadway is inherently dangerous.

3. Personal protective equipment (PPE)

The following is mandatory PPE.



Safety Boots (steel capped) with rubber soles.



Eye protection is compulsory



Hearing protection is compulsory



Hi-Viz must be worn when installing product



Gloves must be worn when installing product



Hi-Viz Protective Clothing is to be worn

4. Equipment Required

- Compressor with air nozzle
- Hammer drill and bits
- Industrial vacuum cleaner
- Generator
- Epoxy and gun (refer SDS)
- Small hand tools
- Traffic Management Equipment (if required)

5. Qualifications and Competencies

- Safe use of hand tools;
- Manual handling; and Road traffic management.

6. Documentation and Setup

- Ensure that the selected installer provides a copy of Public Liability Insurance, WorkCover, SWMS and plant service records. (No documentation - no job).
- Contact Dial before you Dig; if required (recommended)
- Ensure you are at the correct location and set up traffic control is to Australian Standards, or as advised and required by the client.



7. Positioning of Safecycle Lane Delineator

- Position the Caterpillar Safe Cycle on to a cleaned road surface, as per site plan provided.

8. Installation

Step 1 – Position the caterpillar	Step 2 – Drill	Step 3 – Clean hole
Position the Caterpillar Safe Cycle on a clean road surface, as per site plan provided.	Using a drill with a 14mm masonry bit, drill 3 x 120mm deep holes through the designated points in the Caterpillar.	Using an industrial vacuum cleaner or air gun remove dust from each hole. Note: if using air gun be careful of airborne dust and stones.



SOP – INSSOP027 - Installation of Caterpillar Safe Cycle

Rev 2 (22/11/2023) – Owner: Chief Executive Officer



ROAD SAFETY RENTAL

Step 4 – Epoxy	Step 5 – Insert nylon plug	Step 6 – Fastening
Using epoxy and a caulking gun, insert nozzle into each hole and insert epoxy. Saferoads recommends 3 caulks per hole. Note: the epoxy dries very quickly in warm weather so it is important to cap the nozzle with cling wrap between uses to prevent it from drying hard inside the nozzle.	Insert the nylon plug into each hole using a hammer. Note: be careful of splatter of any excess epoxy when hammering.	Quickly re-instate the segment into the correct position, lining up the fastener hole. Insert the coach bolt and hand tighten. Note: the epoxy can set hard quickly in warm weather making it difficult to screw in the coach bolt.
Step 7 – Tightening fasteners	Step 8 – Finish tightening	Step 6 – Insert Rubber Plugs
Using the air compressor and rattle gun, drill in the coach bolt with a 17mm socket screw, being careful not to tighten it all the way. Note: the coach bolt will rotate the plastic sleeve in the holes if over tightened mechanically. This will undermine the epoxy adherence to the side walls of the hole, rendering it ineffective.	Finish tightening coach bolts using a ratchet socket wrench with a 17mm socket. Note: be sure to complete this step not too long after the previous step as the epoxy will set too hard and prevent tightening of the bolt.	Insert the rubber plugs into the fastener holes.
Step 10 – Final checks – clean worksite		
<ul style="list-style-type: none"> Sweep any excess dirt or debris from the site and collect any left-over parts Housekeeping practices adhered to and worksite is left clean and safe; and Items have been fitted correctly and safely. Workmanship is to specification; Material quality is acceptable; Unused materials are removed; and Quality checks performed. Surrounds are restored to prior condition; and No spillage and/or damage to any soil, habitat, atmosphere or drainage. 		

SOP REVISION UPDATES

SOP Amendment Level			
Rev #	Date	Comment	
8	22/11/2023	a.	PPE Icons updated – No Revision change
2	10/05/2022	a.	Review by Manager – Supply, Safety and Systems – No Revision change (format only)
2	26/10/2020	b.	New Format