

Assembly Line Defect Root Cause Analysis Document

| | | | |
|------------------|--|----------------|--|
| Document No: | | Date: | |
| Product Name/ID: | | Assembly Line: | |
| Author(s): | | | |

1. Defect Description

| | |
|--------------------|--|
| Defect Type | |
| Detected By | |
| Date/Time Detected | |
| Location/Station | |
| Defect Details | |
| Photos/References | |

2. Initial Assessment

- Scope of Impact:
- Number of units affected:
- Production impact:
- Safety impact (if any):

3. Root Cause Analysis

| Potential Cause | Investigation Details | Confirmed? |
|-----------------|-----------------------|------------|
| | | |
| | | |

Tools & Methods Used:

- 5 Whys
- Fishbone Diagram
- Process Review

4. Corrective and Preventive Actions

| Action | Owner | Due Date | Status |
|--------|-------|----------|--------|
| | | | |
| | | | |

5. Verification & Follow-Up

- Method to verify effectiveness:
- Review Date:
- Follow-up Responsible:
- Additional Notes:

6. Sign-Off

| Name | Role | Signature | Date |
|------|------|-----------|------|
| | | | |
| | | | |