Error Hierarchy

ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
	Homogeneus Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Pyramid levels:
- 1° (red) — Scrap
- 2° (orange) — Rework by Human
- 3° (purple) — Rework by Human
- 4° (blue) — Rework by Robot
- 5° (yellow) — Rework by Robot
- 6° (green) — Good

Error Hierarchy

	Scrap
1°	
2°	Rework by Human
3°	
4°	Rework by Robot
5°	
6°	Good
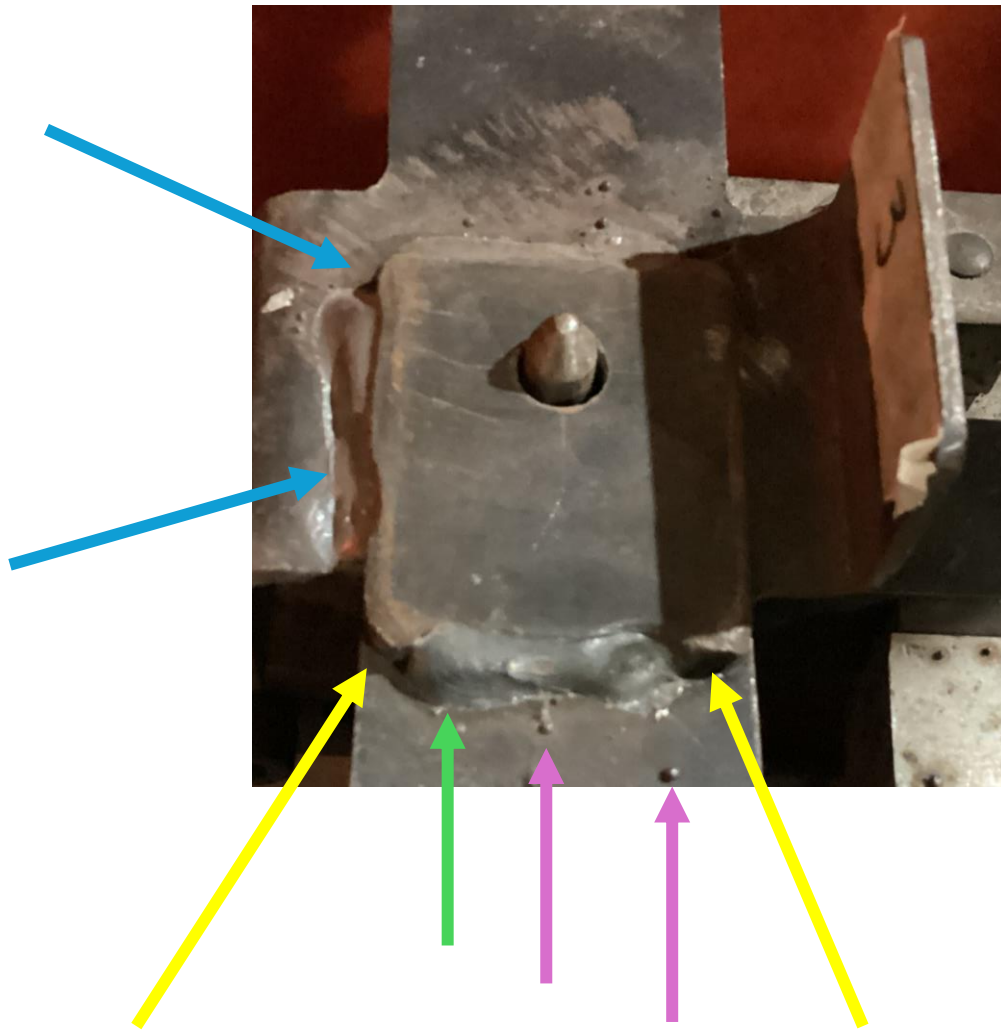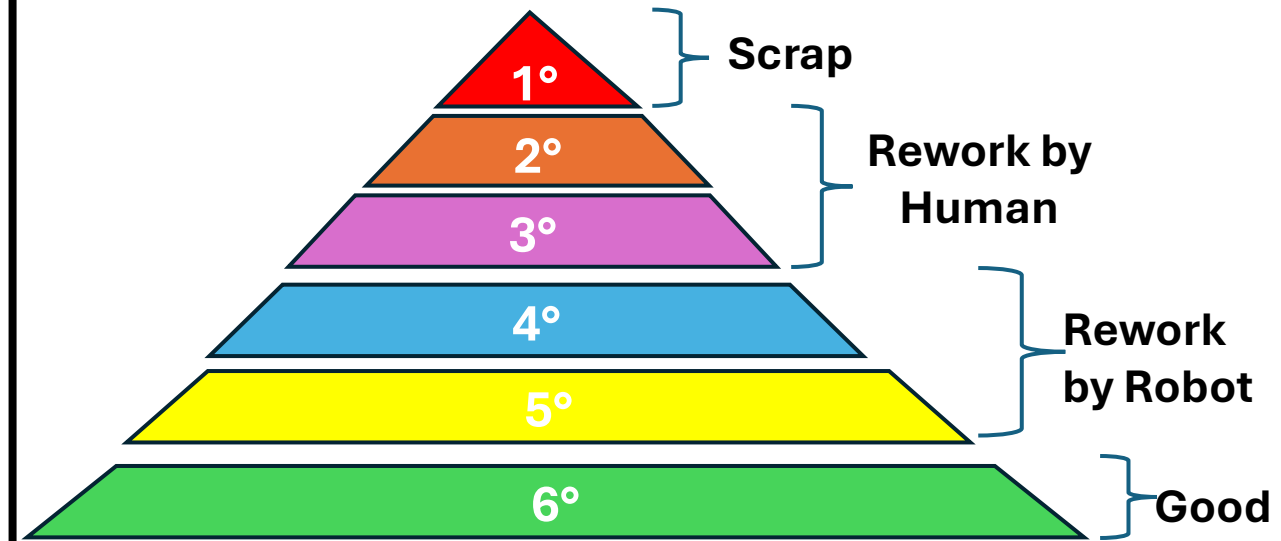
ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
3D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole
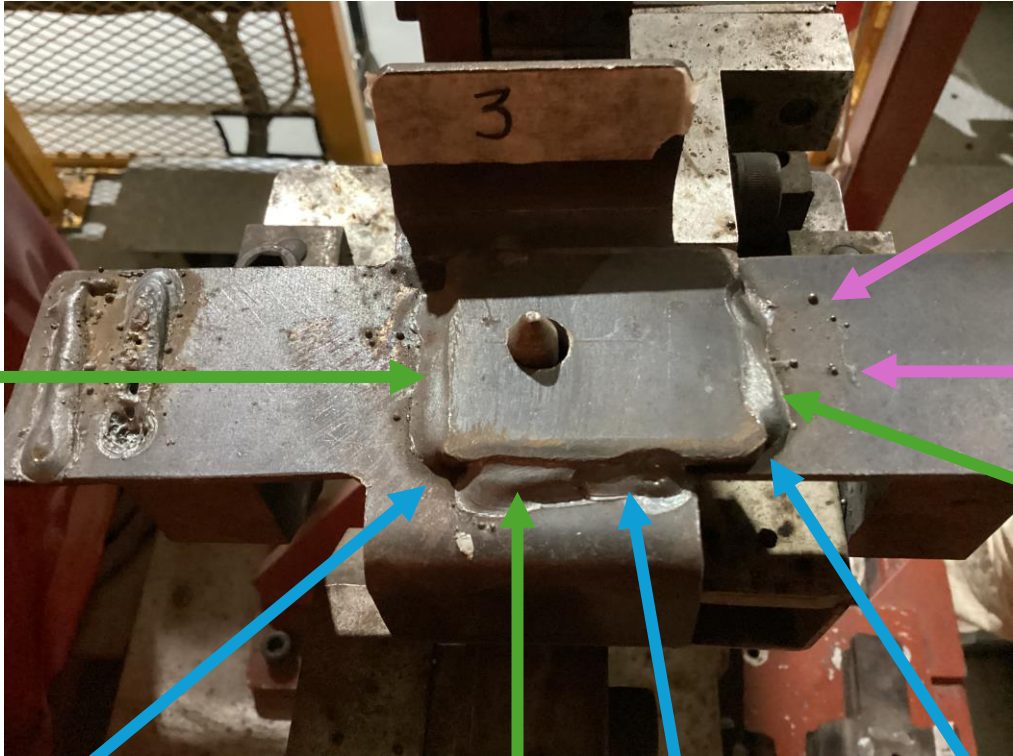
Error Hierarchy
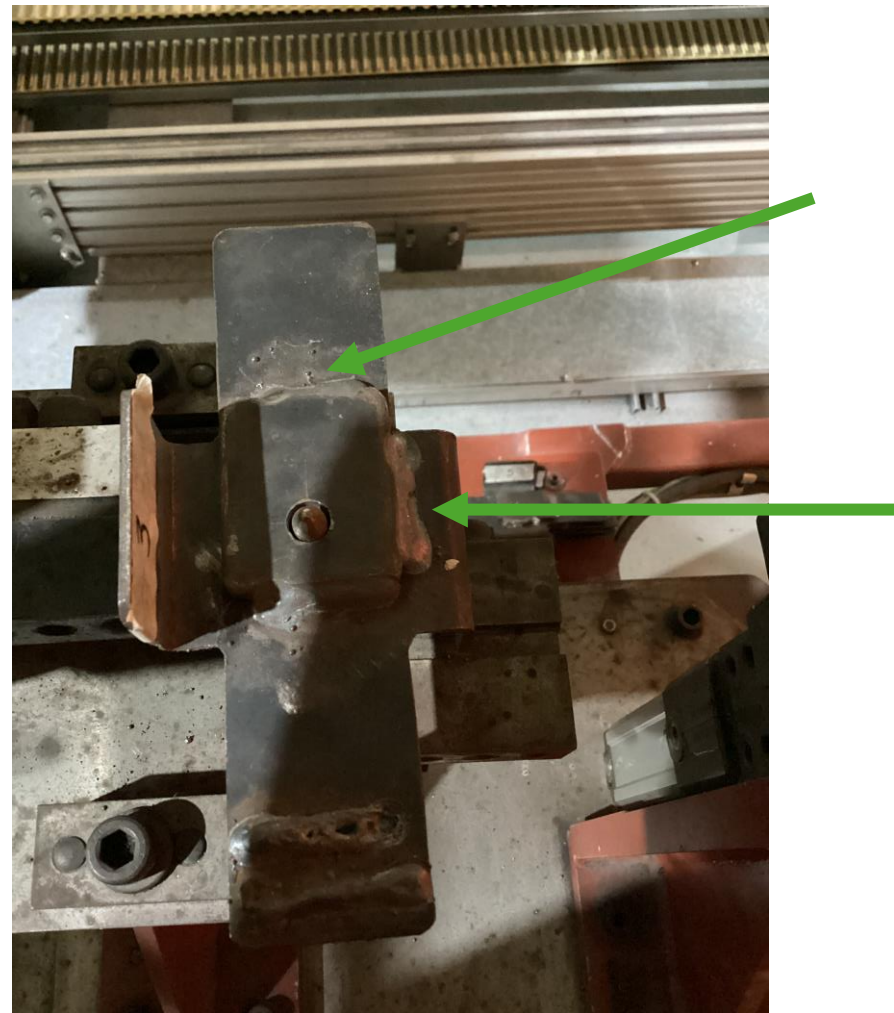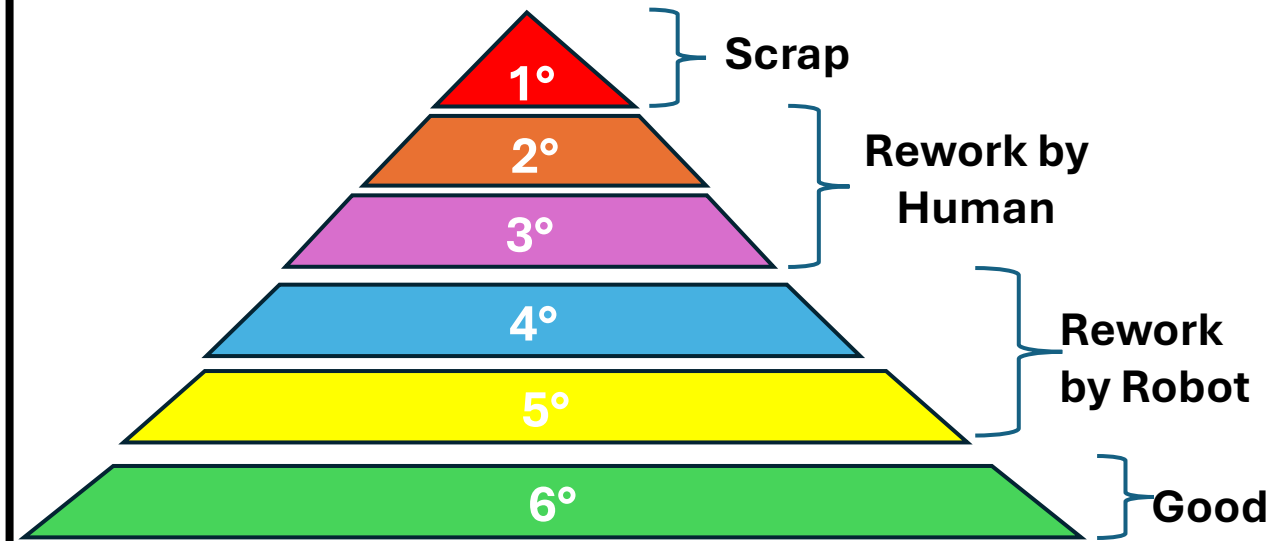
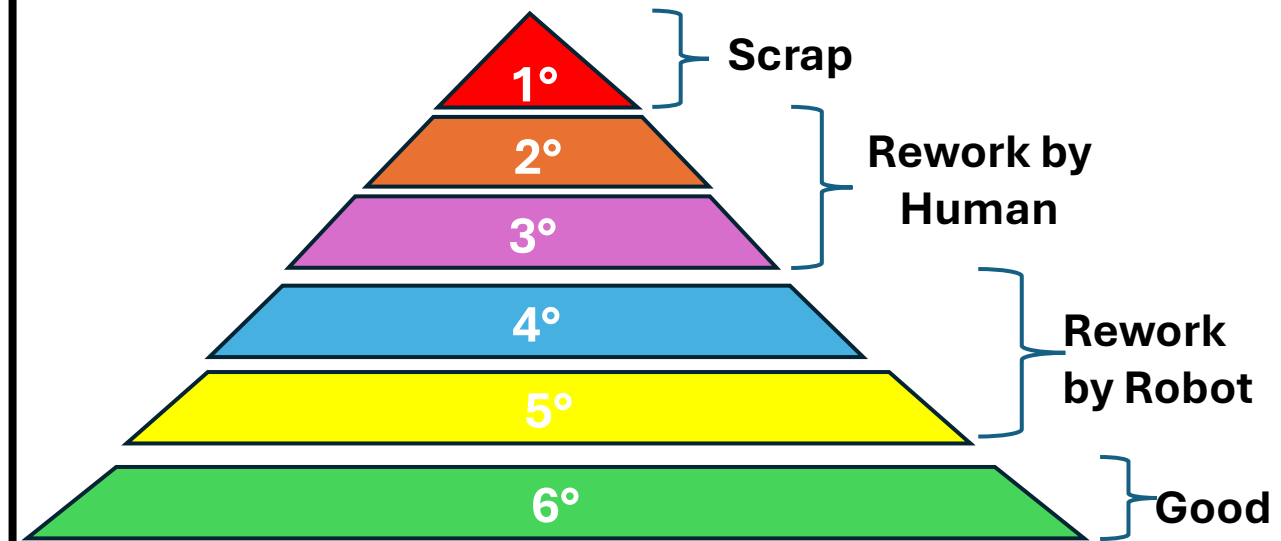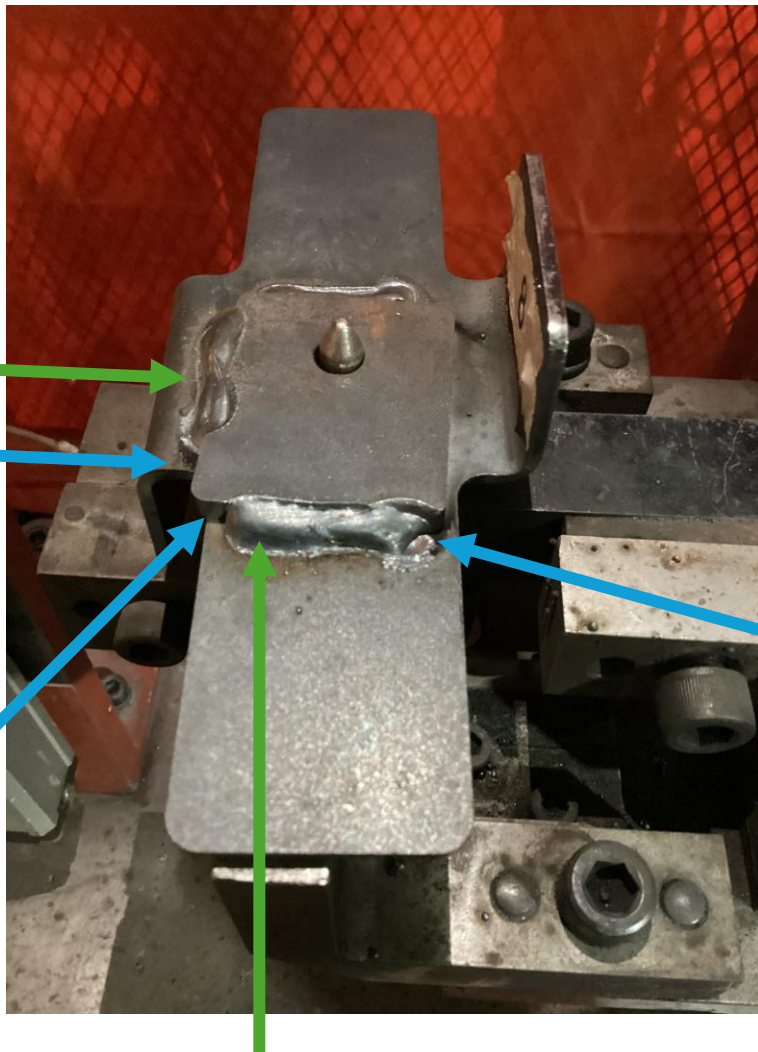| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
3F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

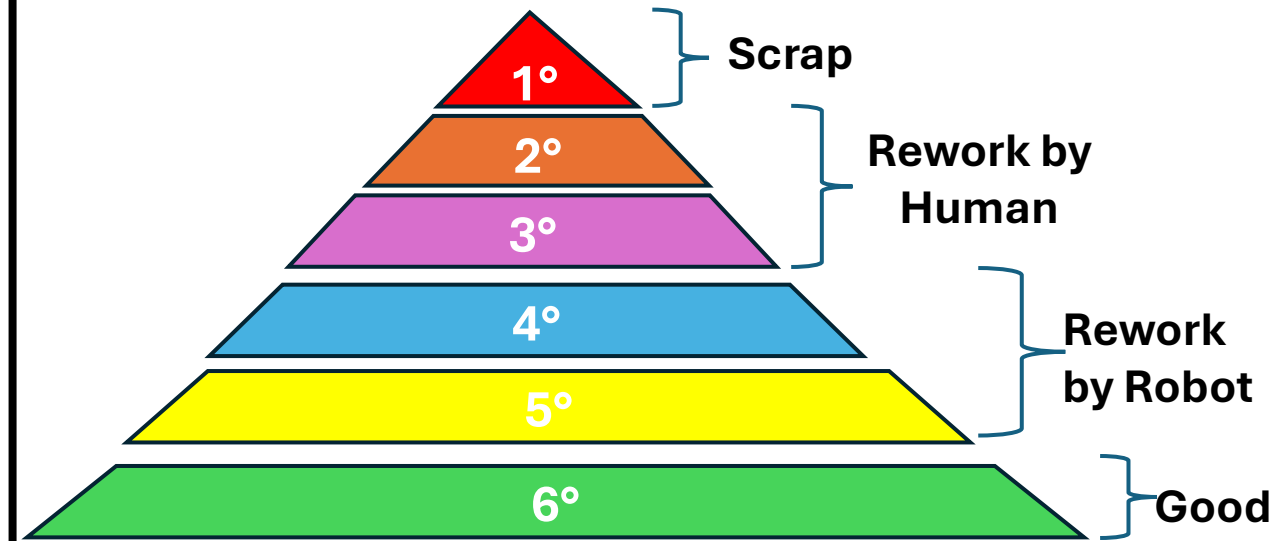Error Hierarchy pyramid:
- 1° (red) — Scrap
- 2° (orange) — Rework by Human
- 3° (magenta) — Rework by Human
- 4° (blue) — Rework by Robot
- 5° (yellow) — Rework by Robot
- 6° (green) — Good

Error Hierarchy

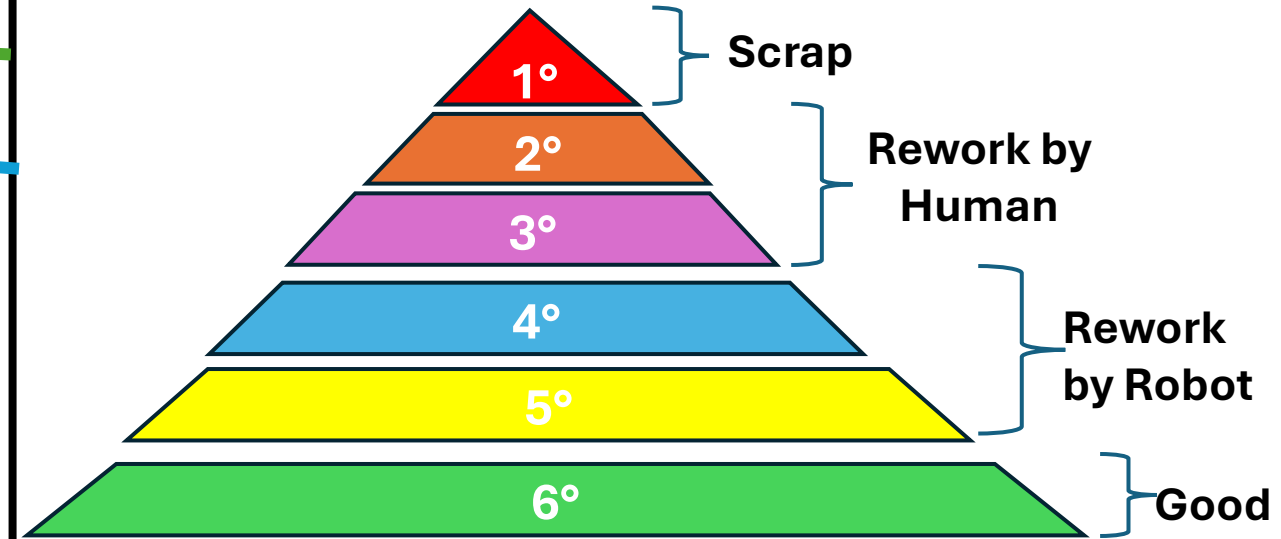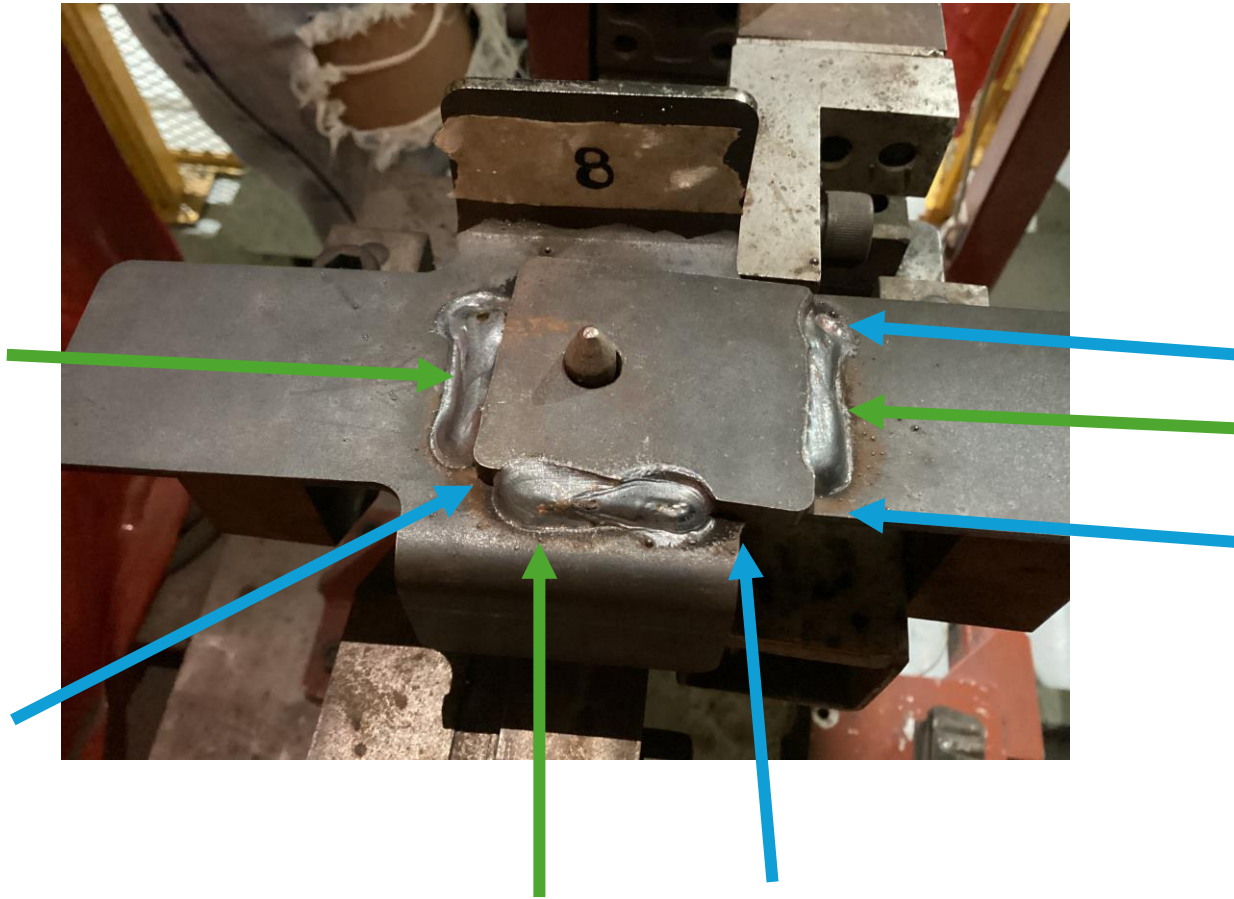| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
3I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

	1°			
	2°		Scrap	
	3°		Rework by Human	
	4°			
	5°		Rework by Robot	
	6°		Good	

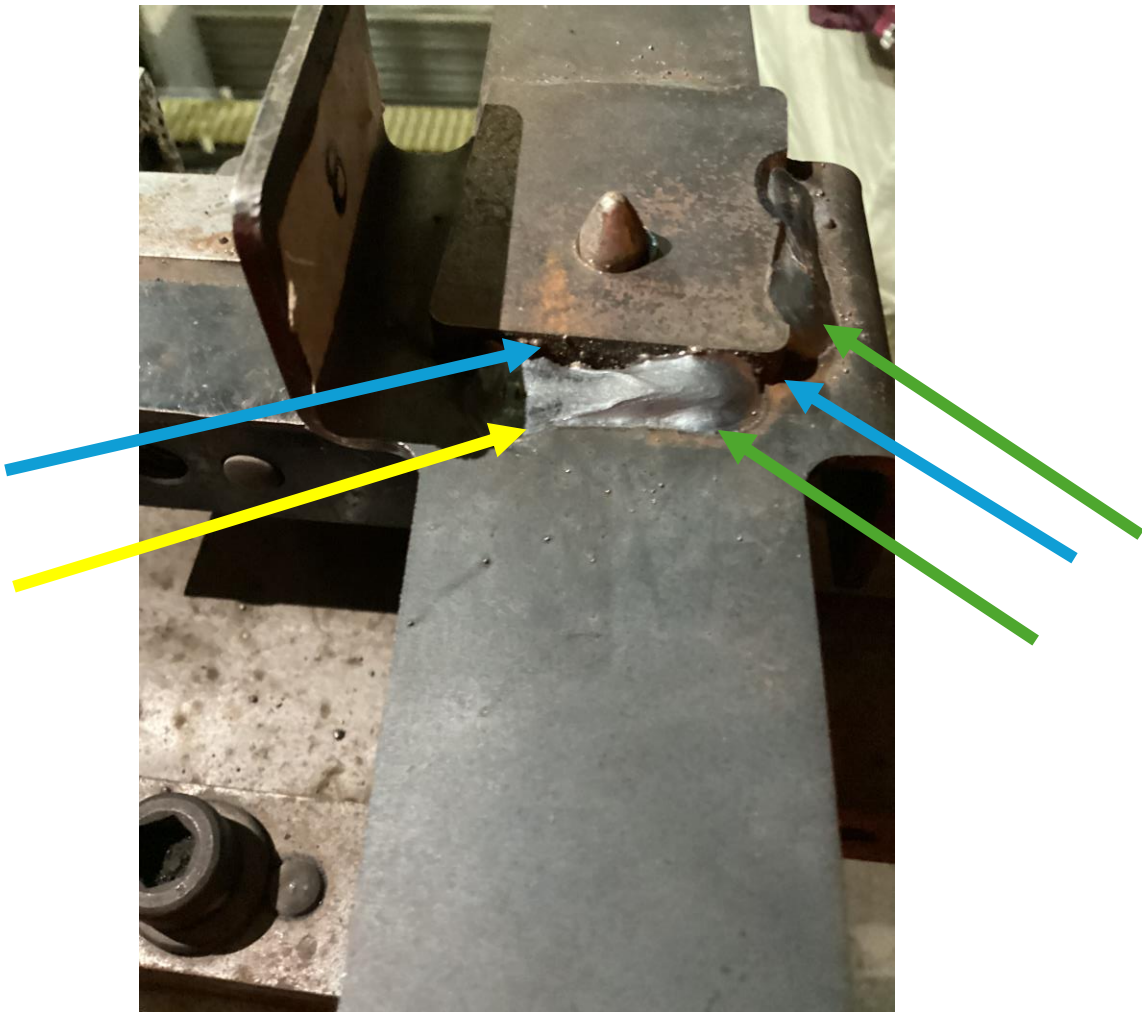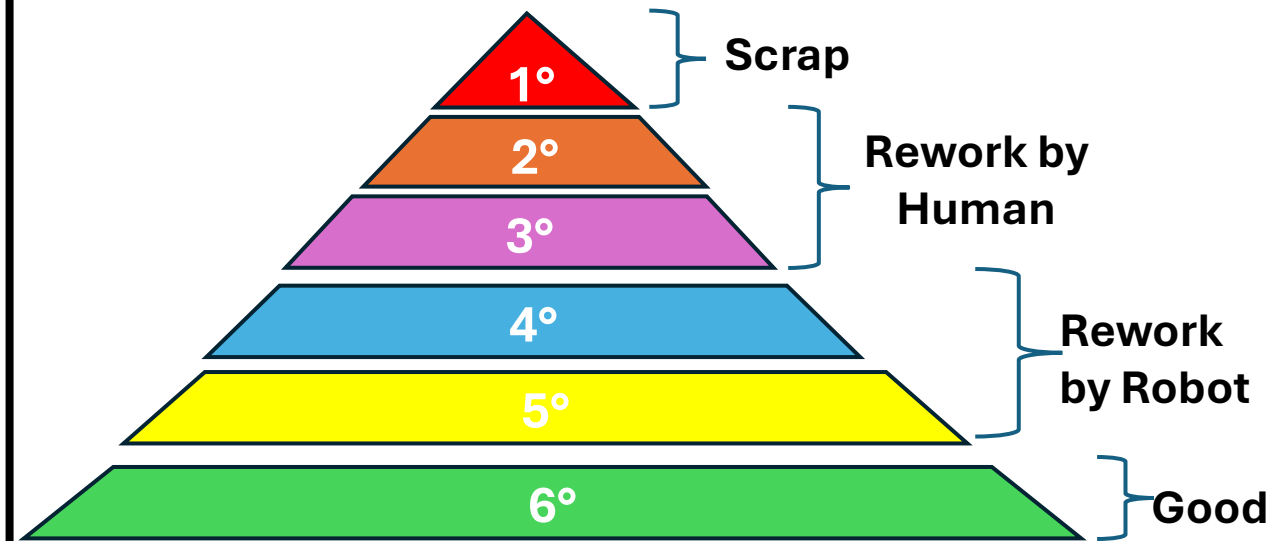| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
8D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

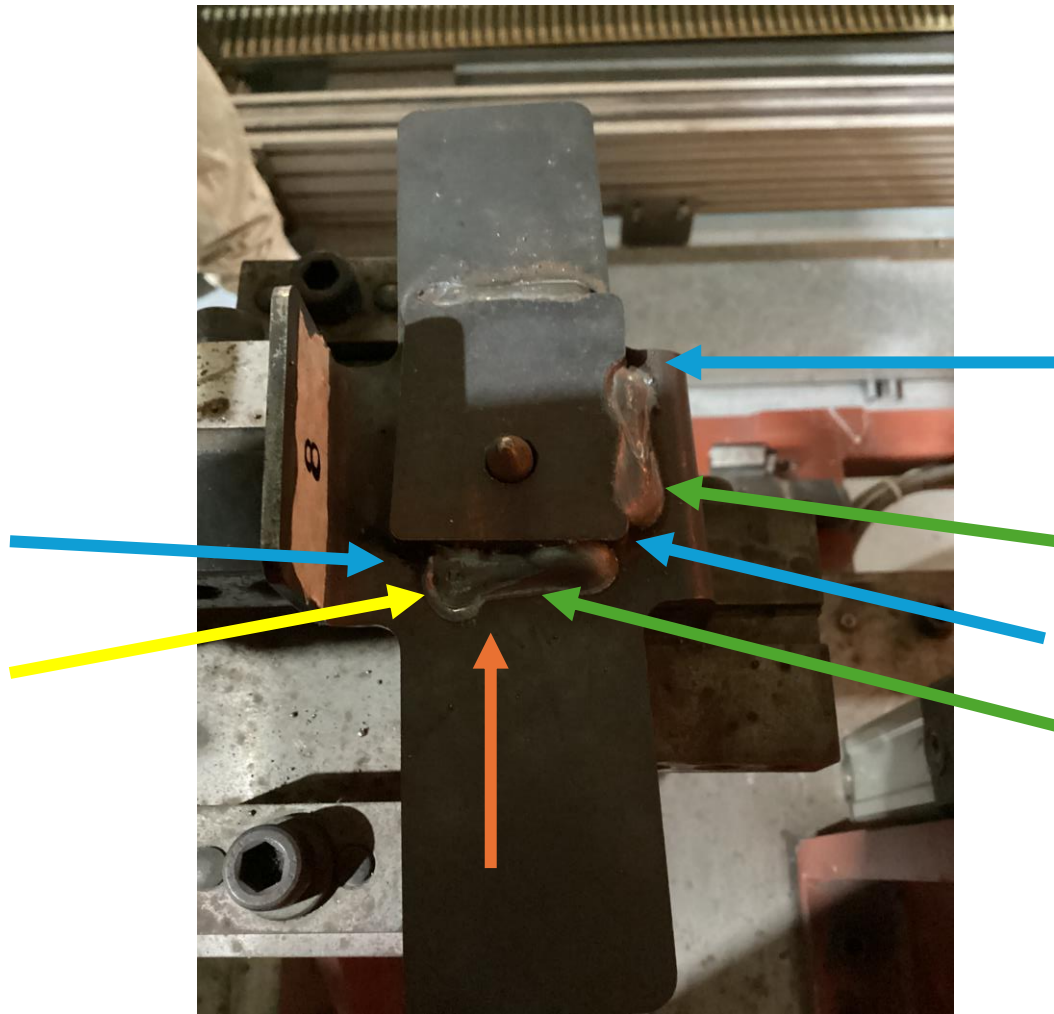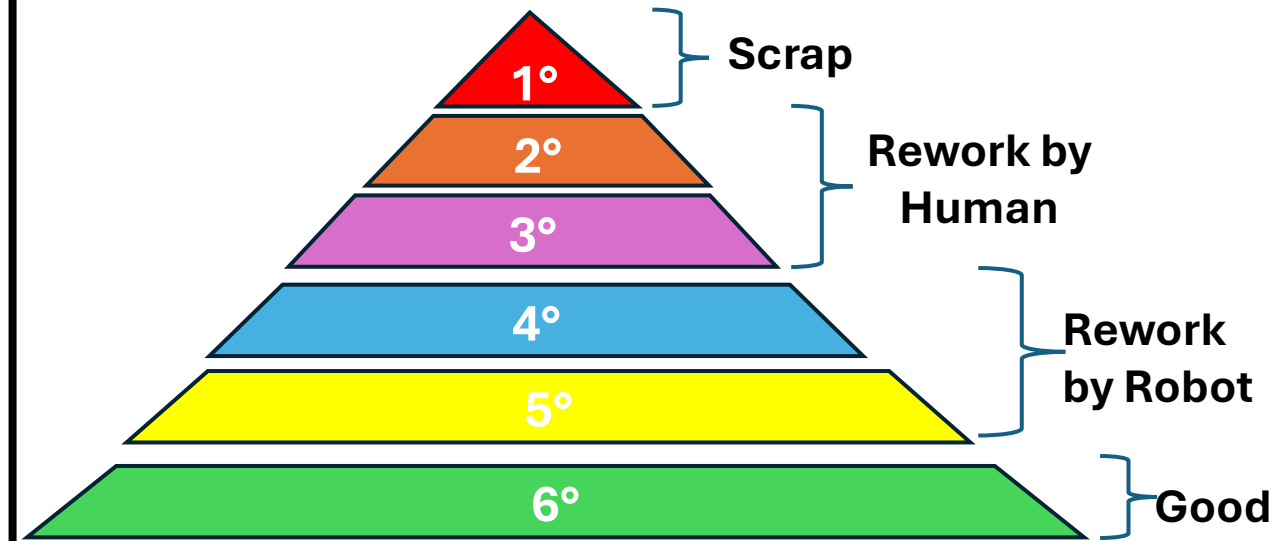| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
8F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

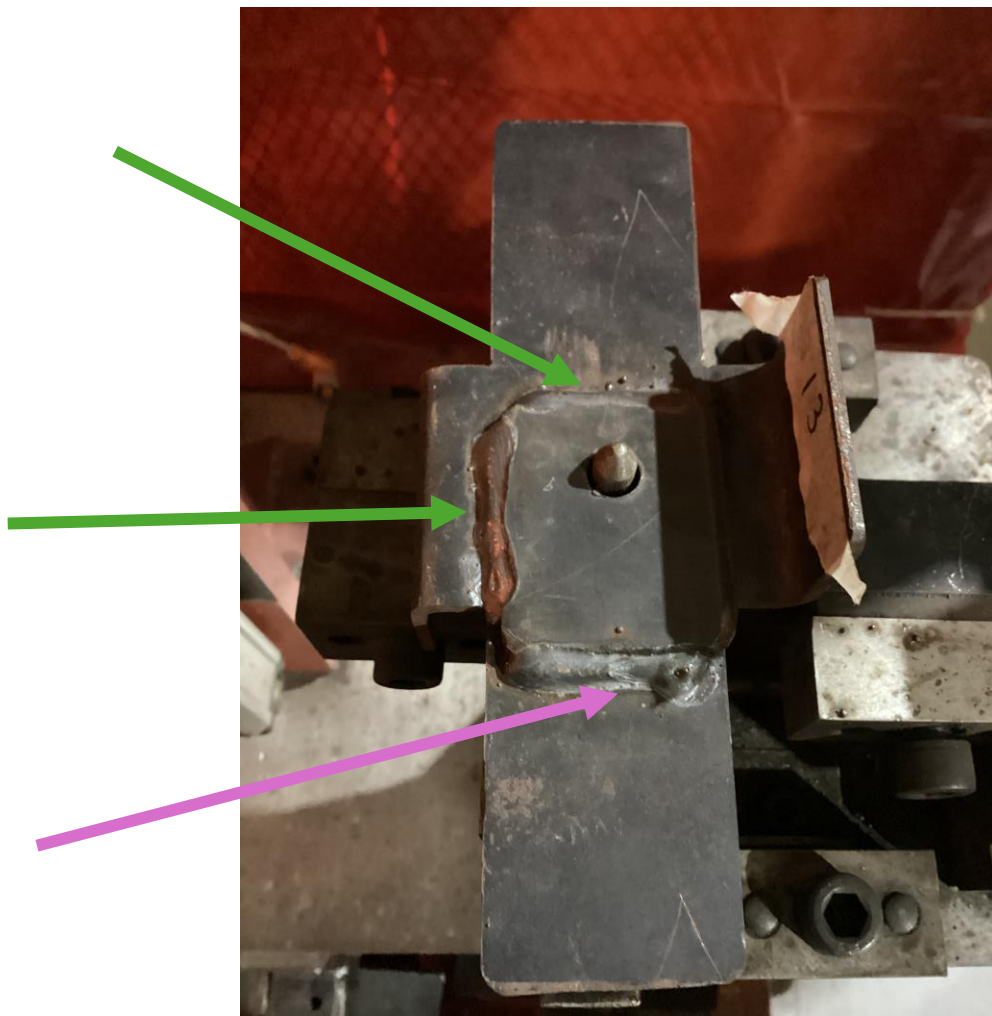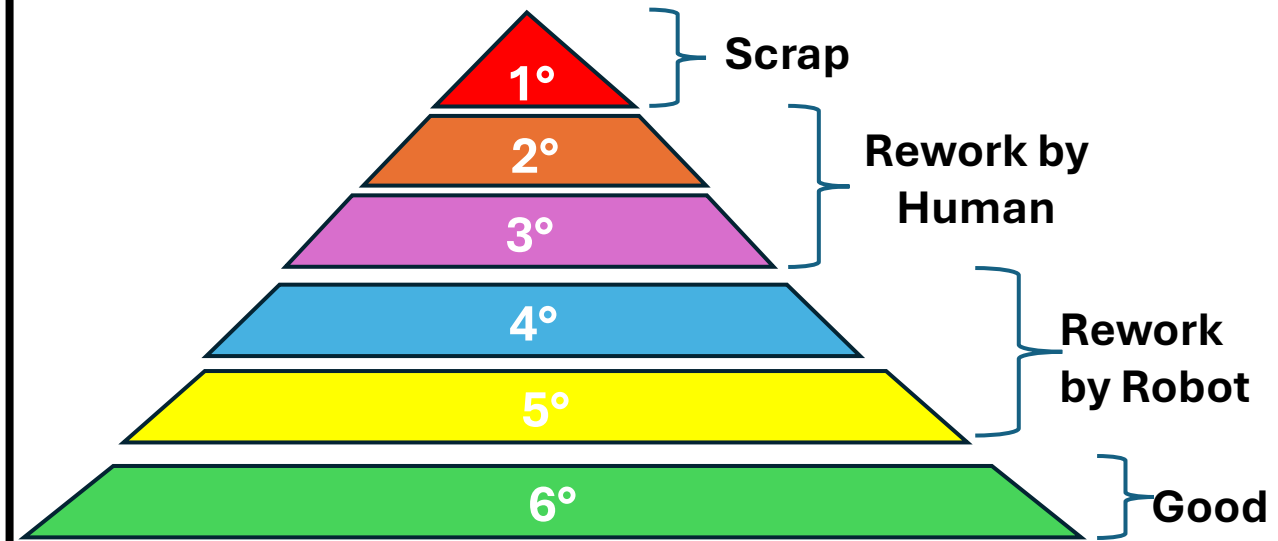| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
8I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

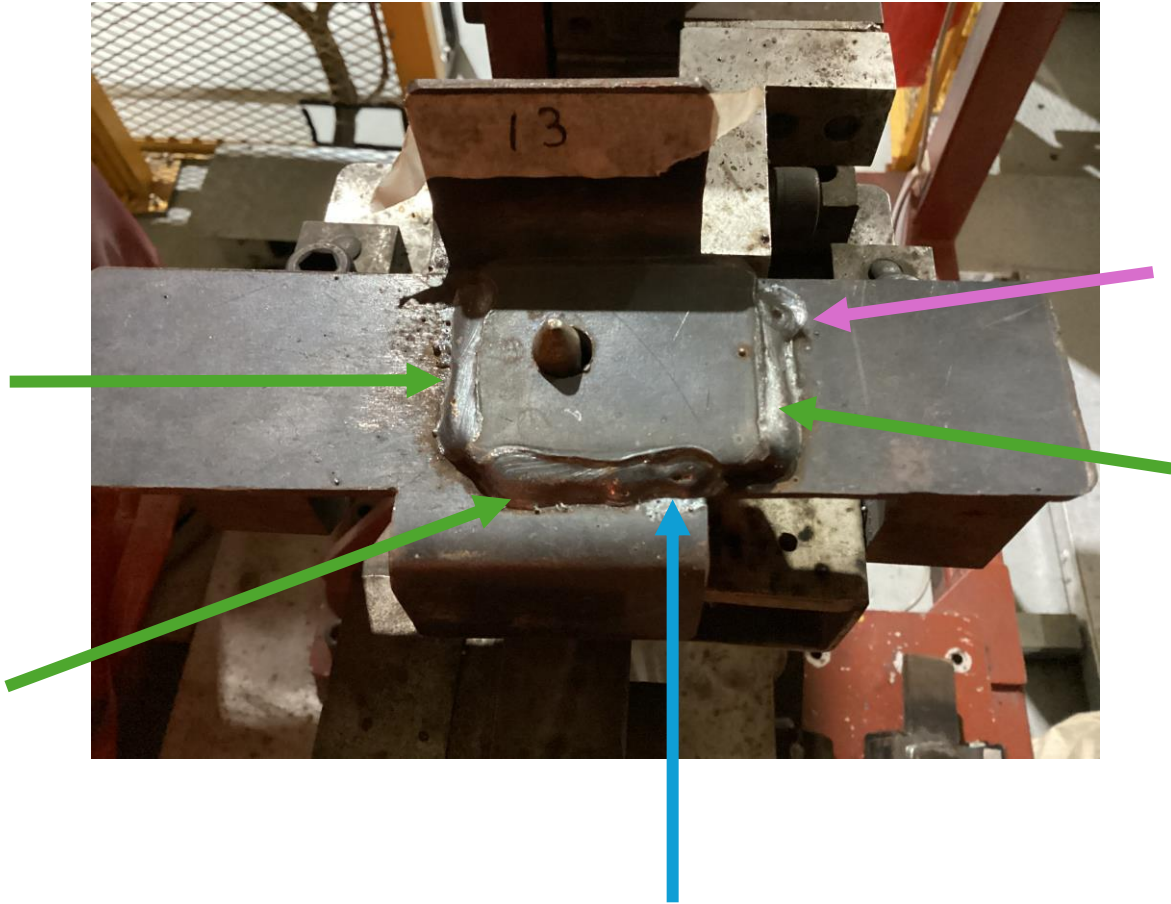| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
8I_1	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

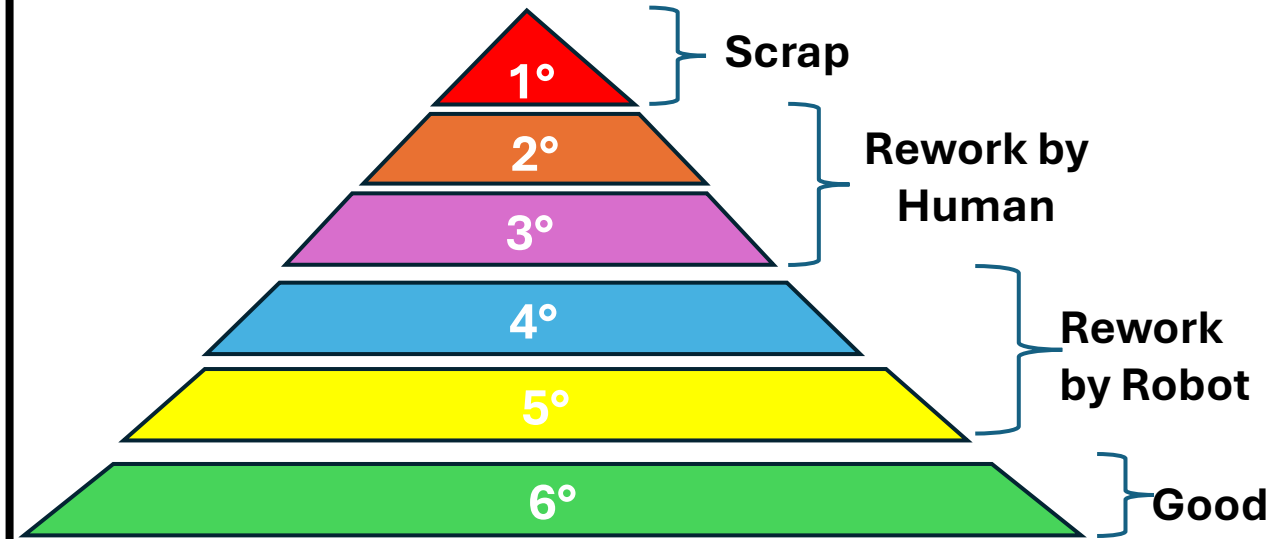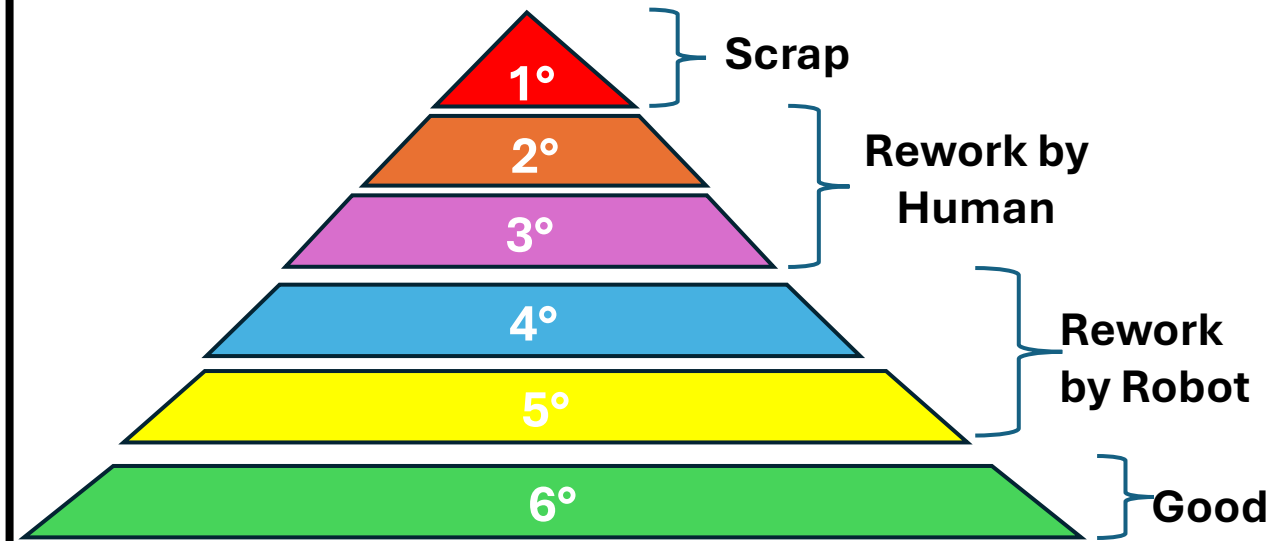| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
13D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

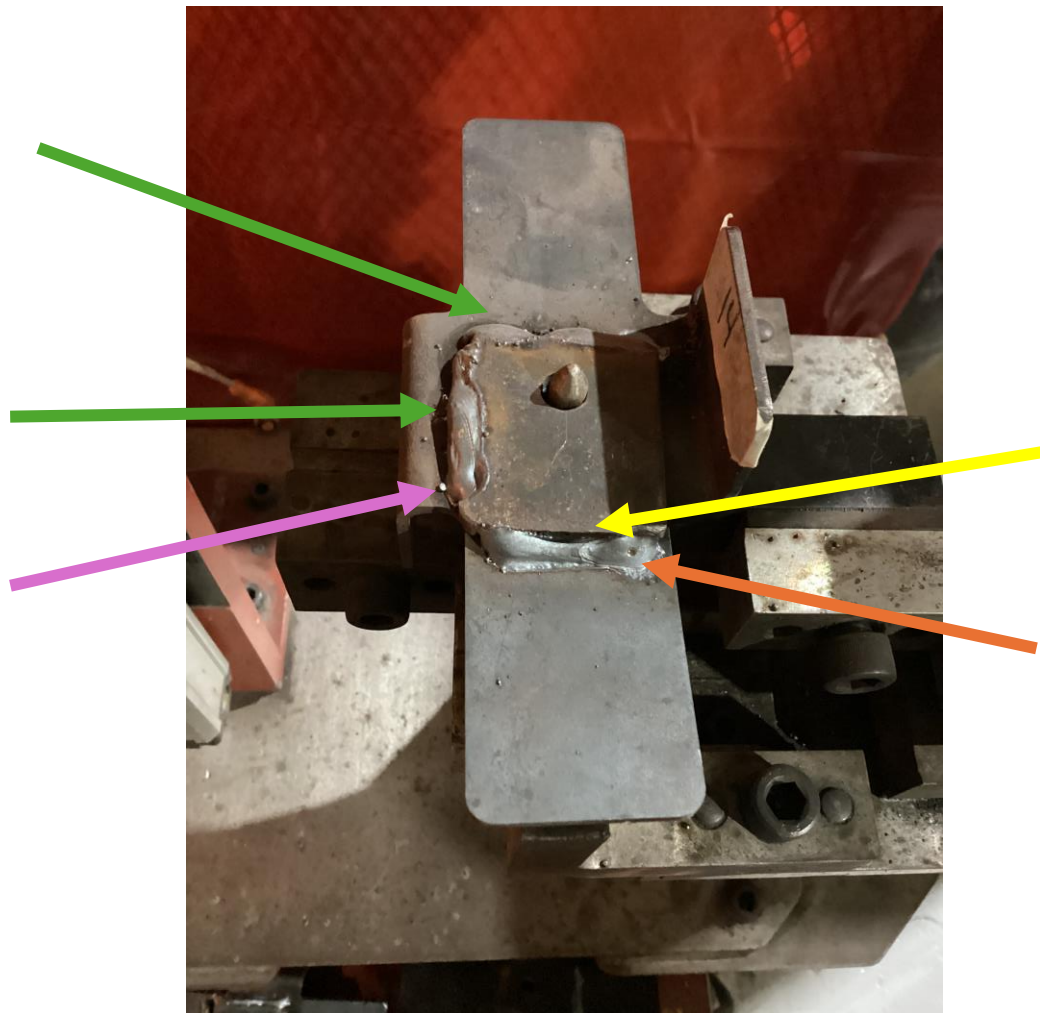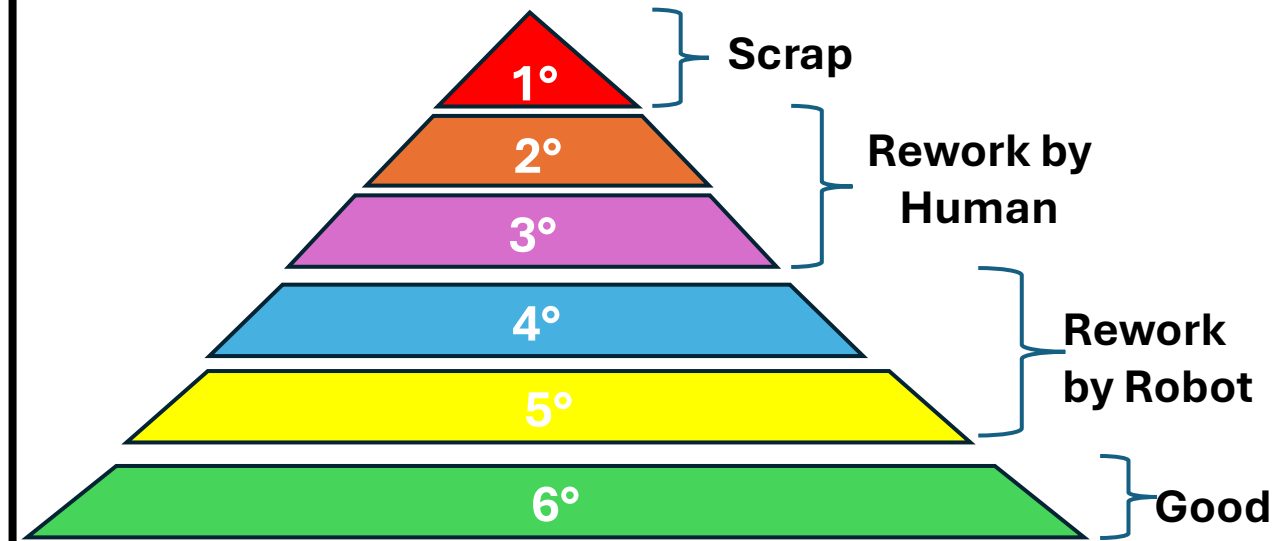| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
13F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

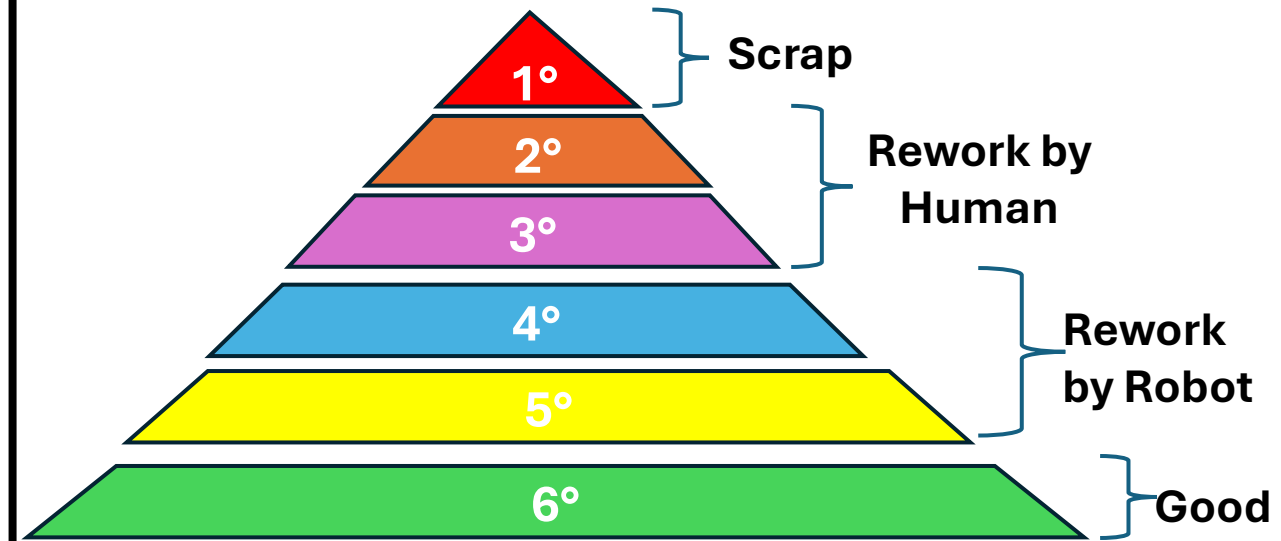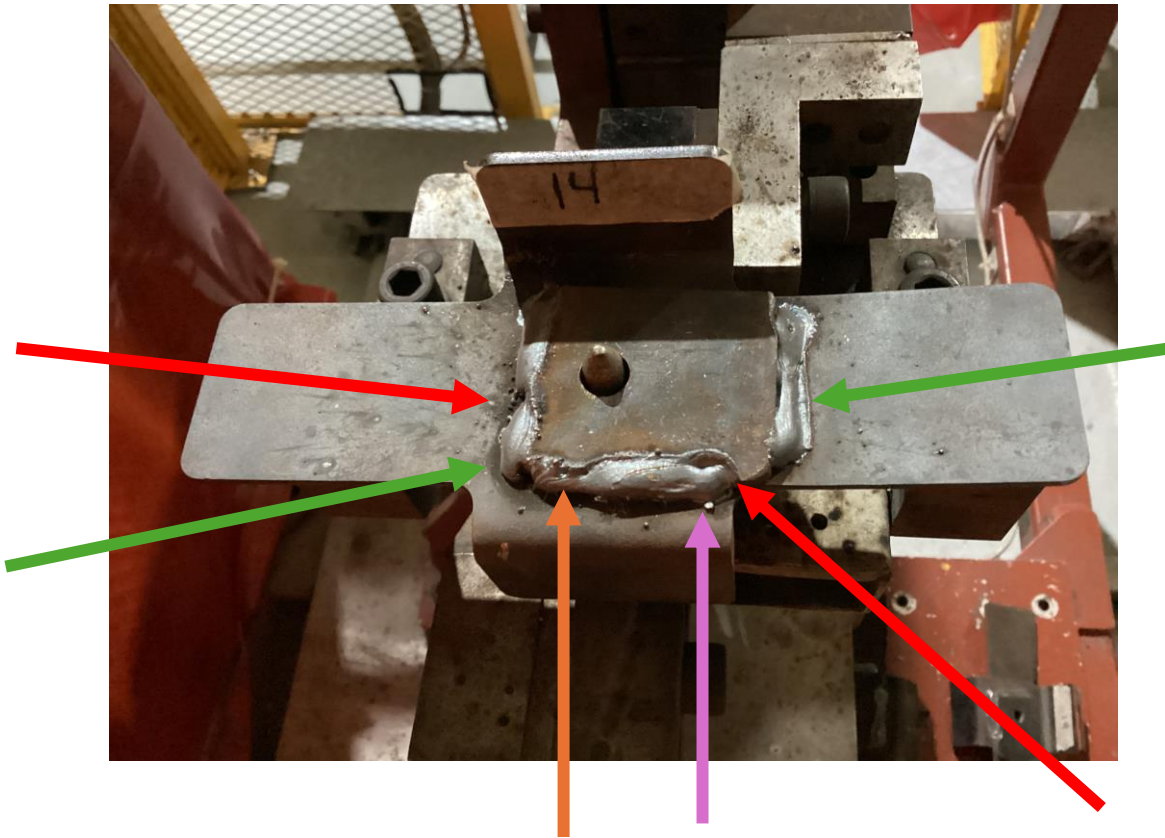| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
13I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

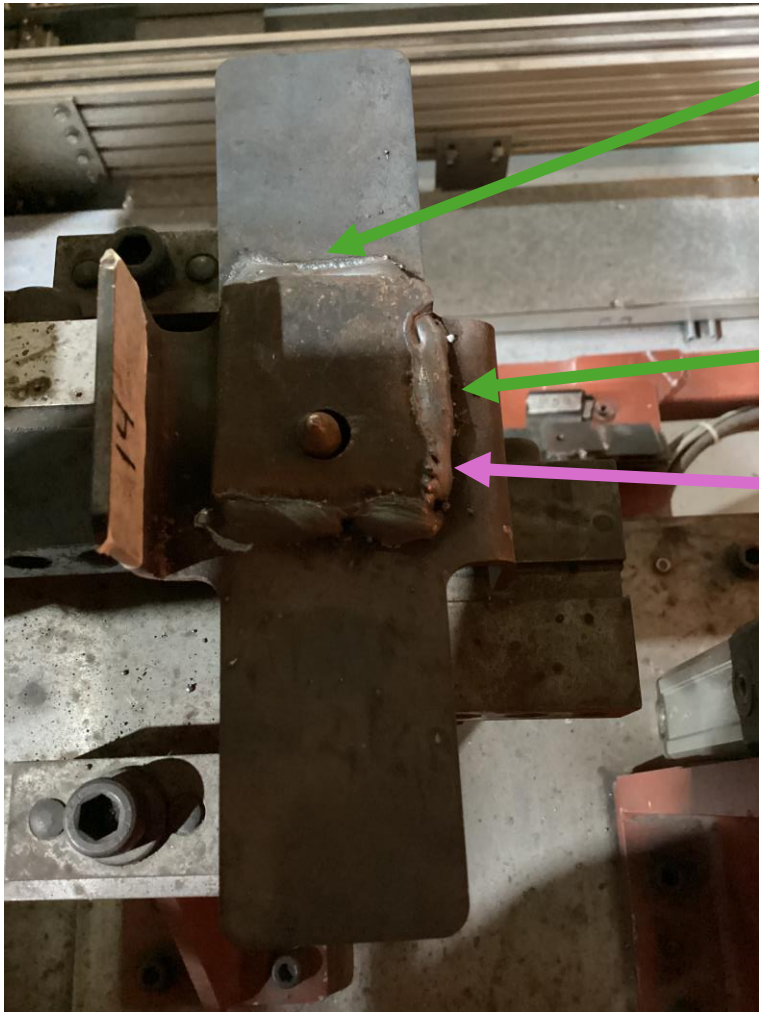| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
14D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

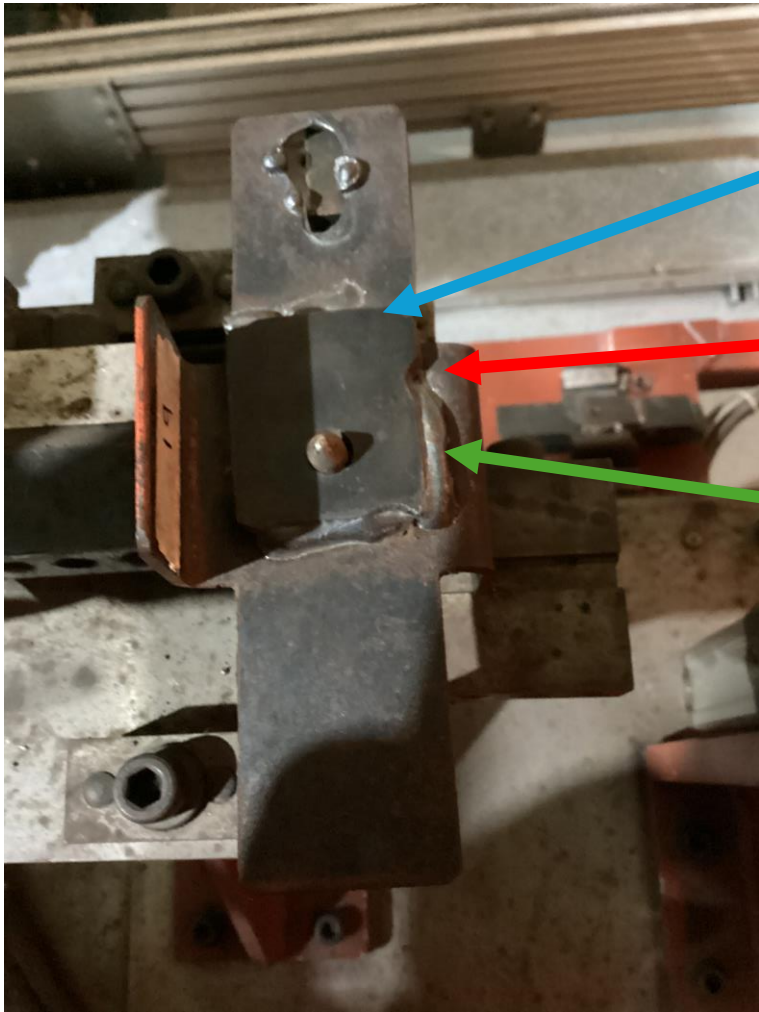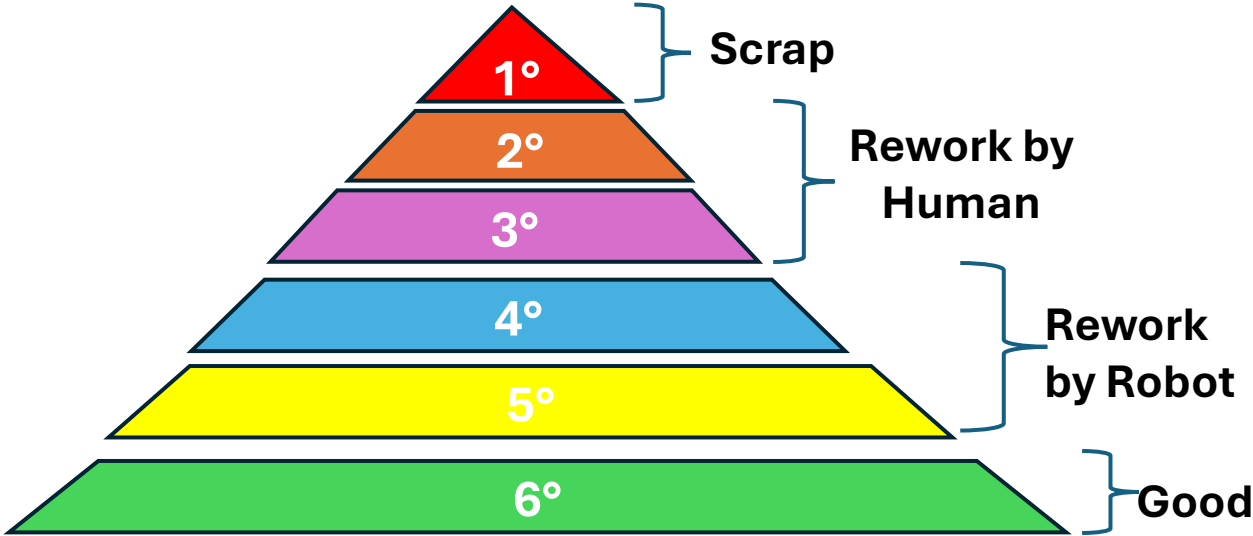| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
14F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

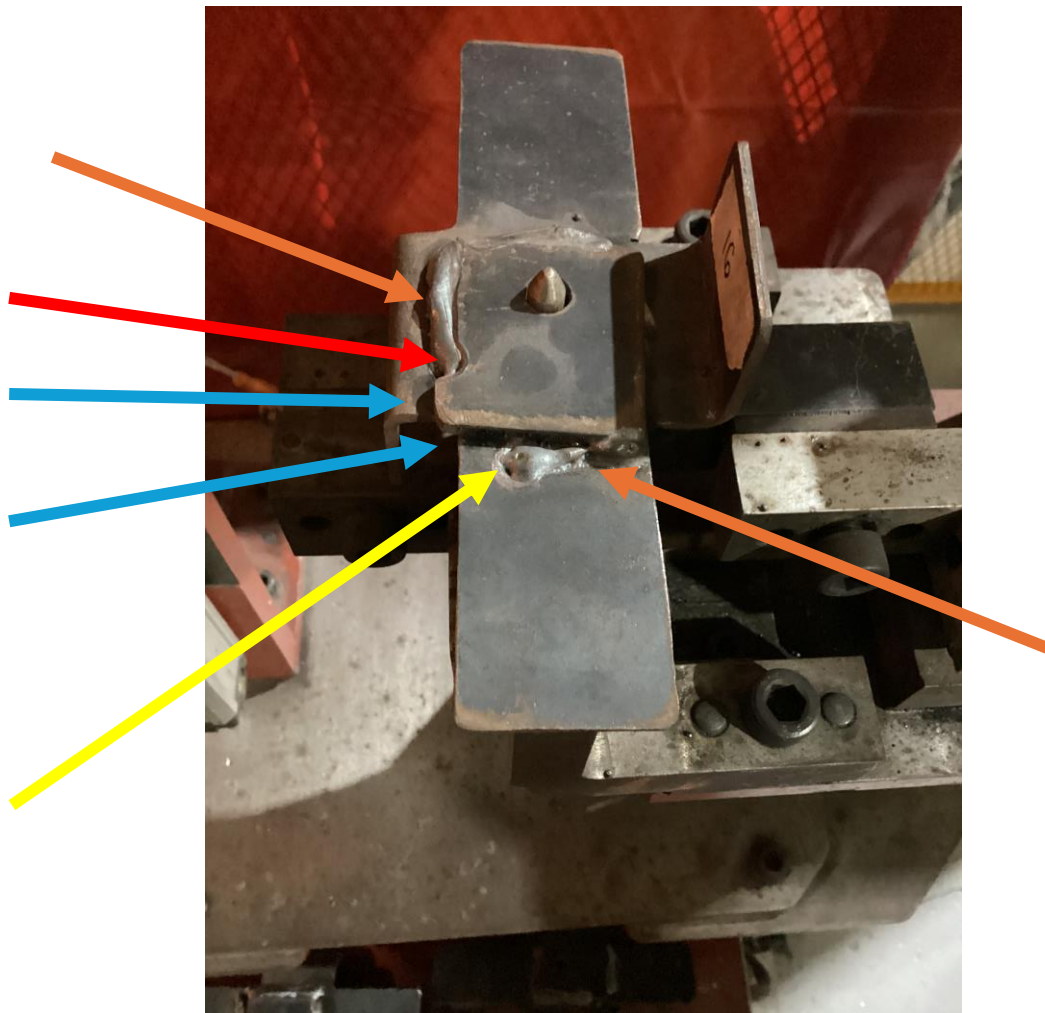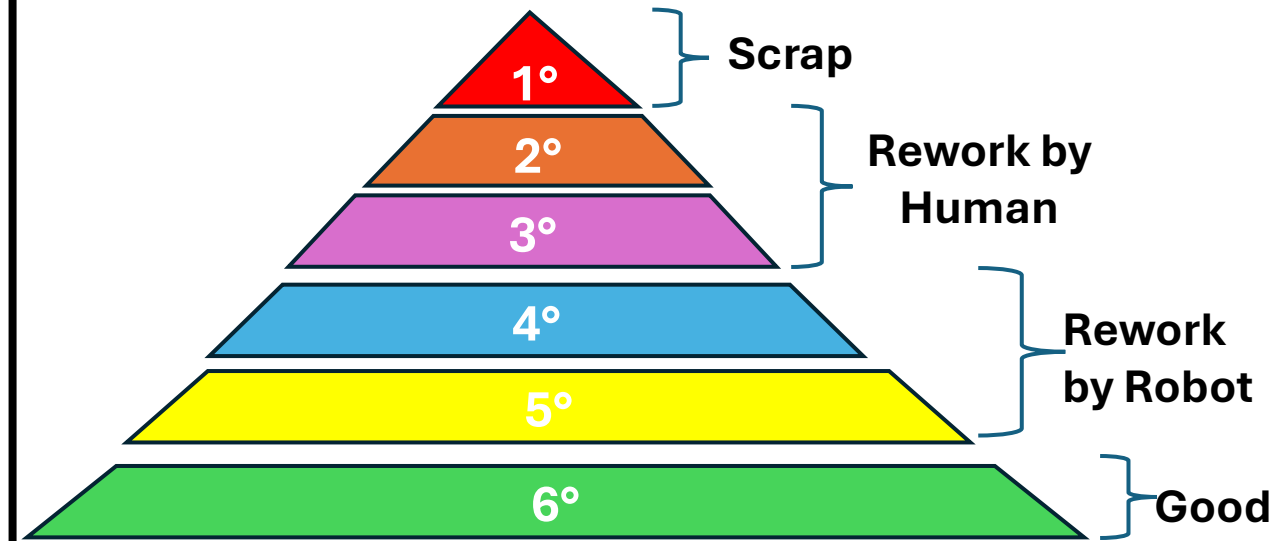| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
14I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

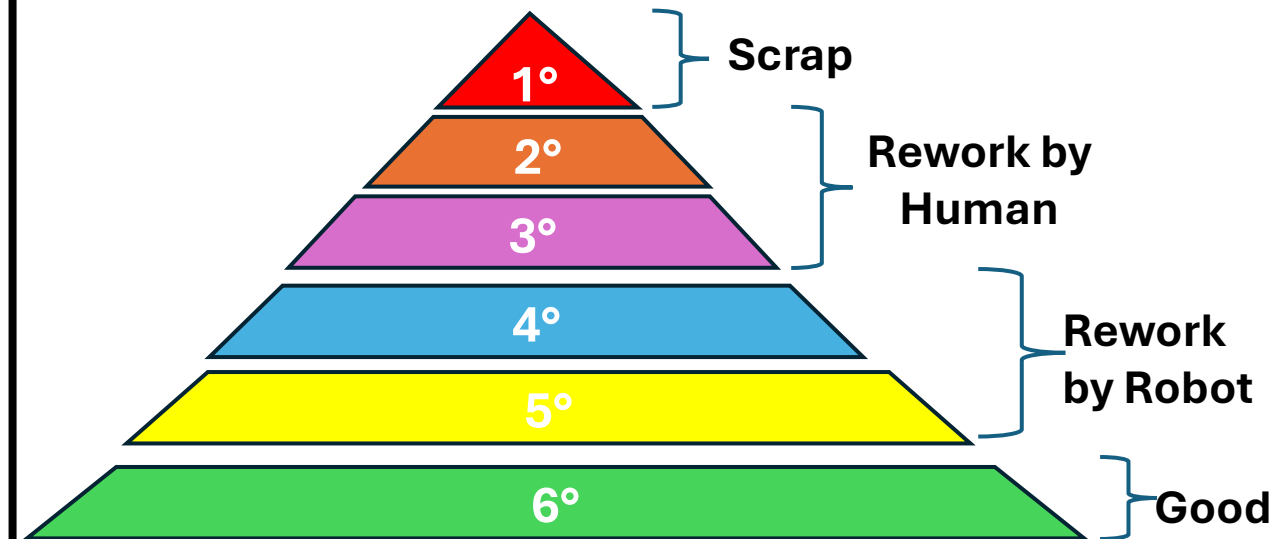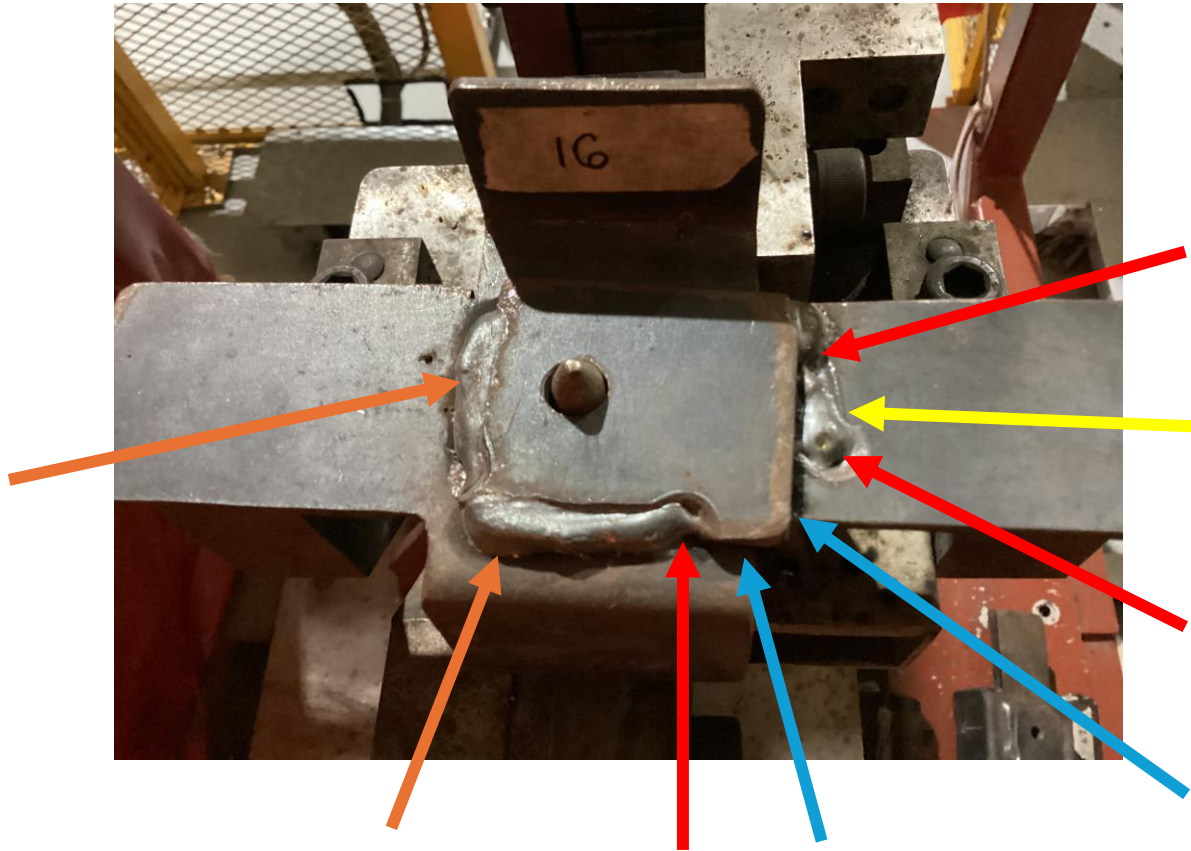| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
14l_1	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

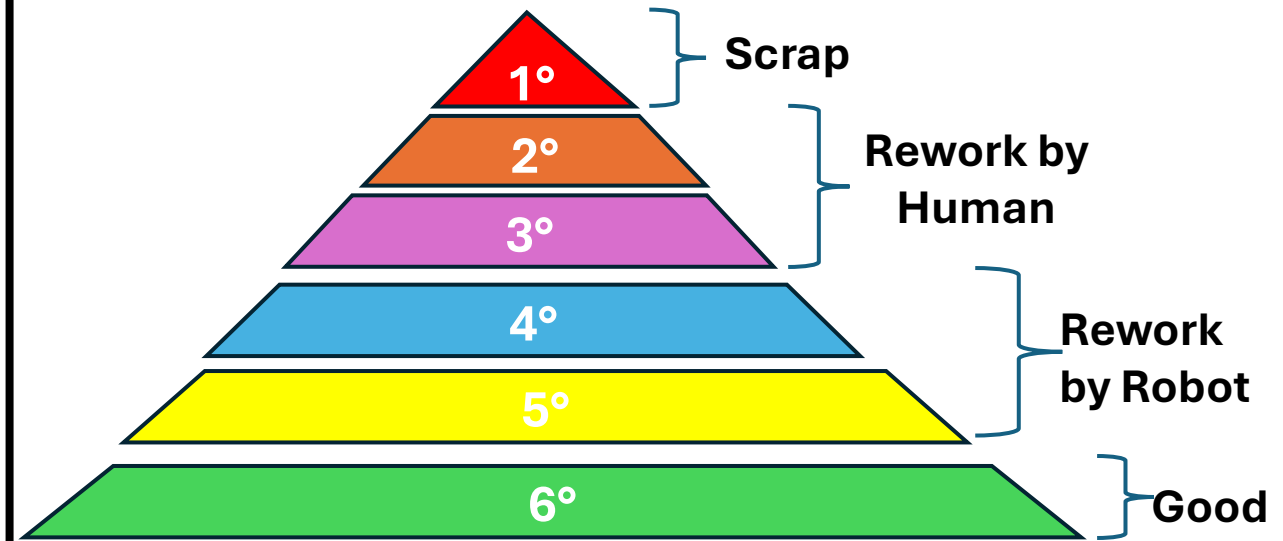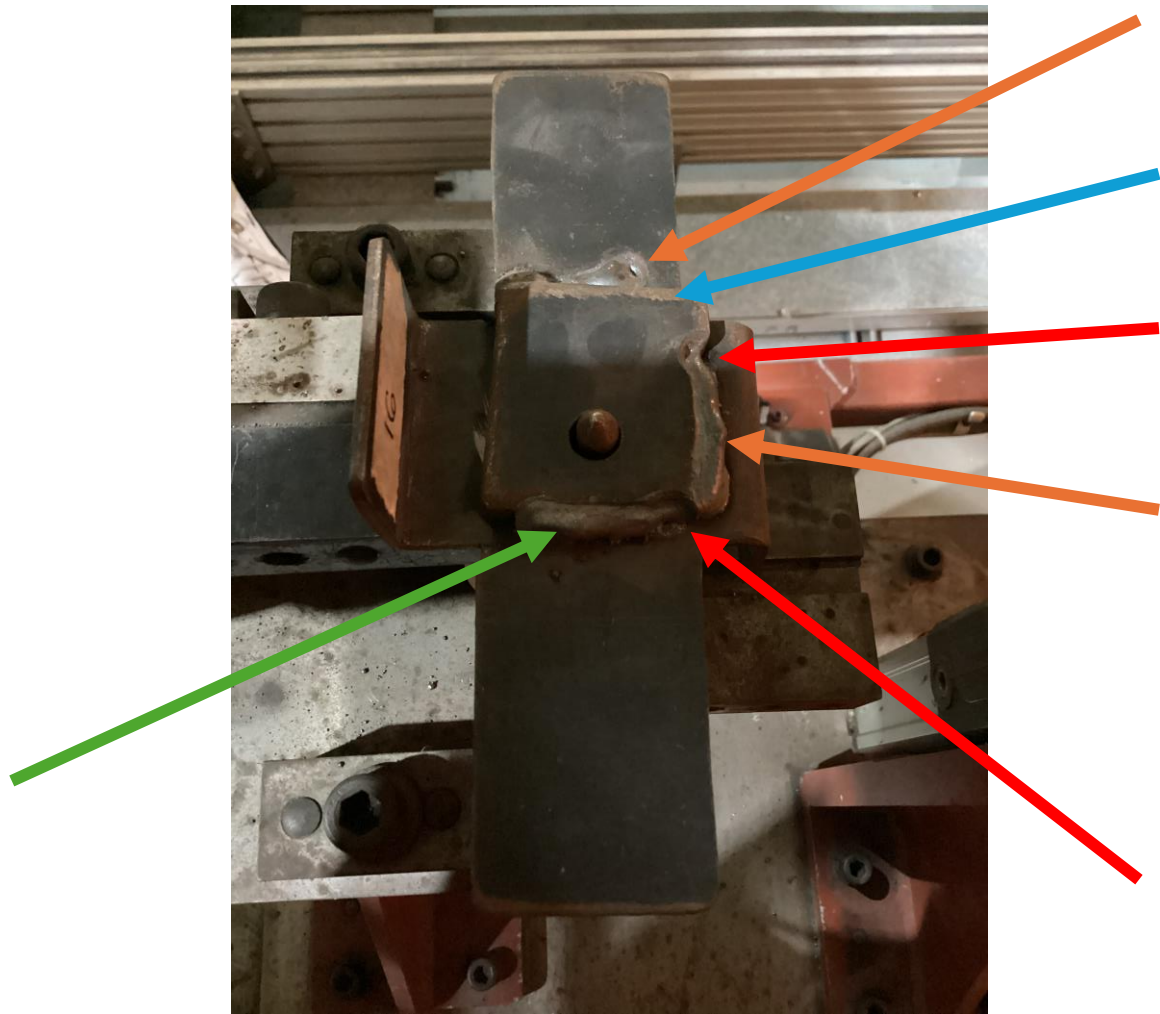| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
16D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

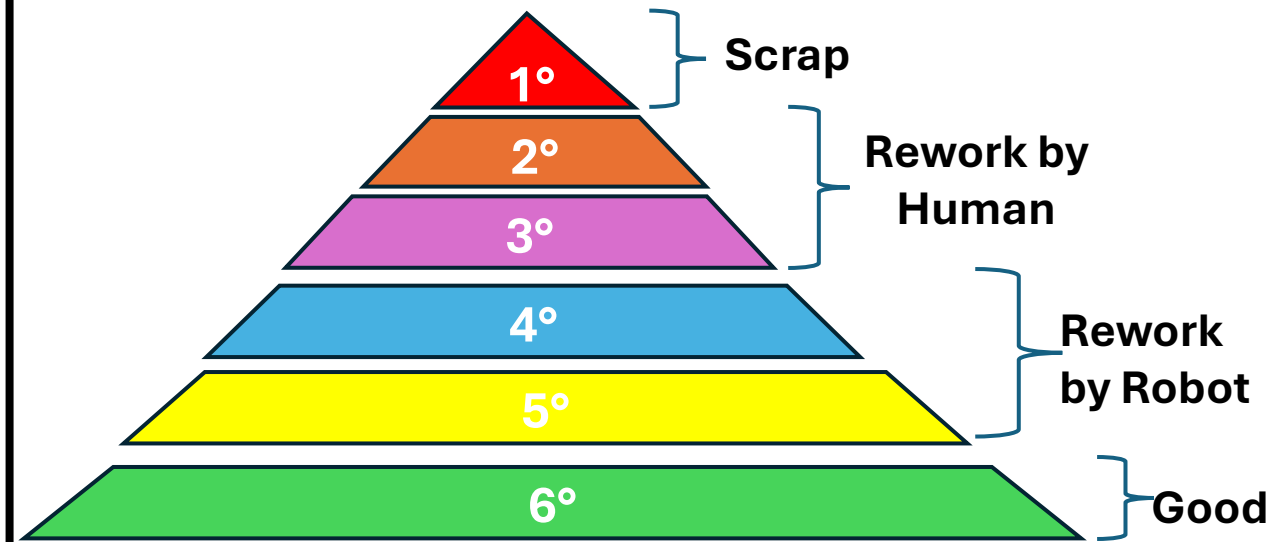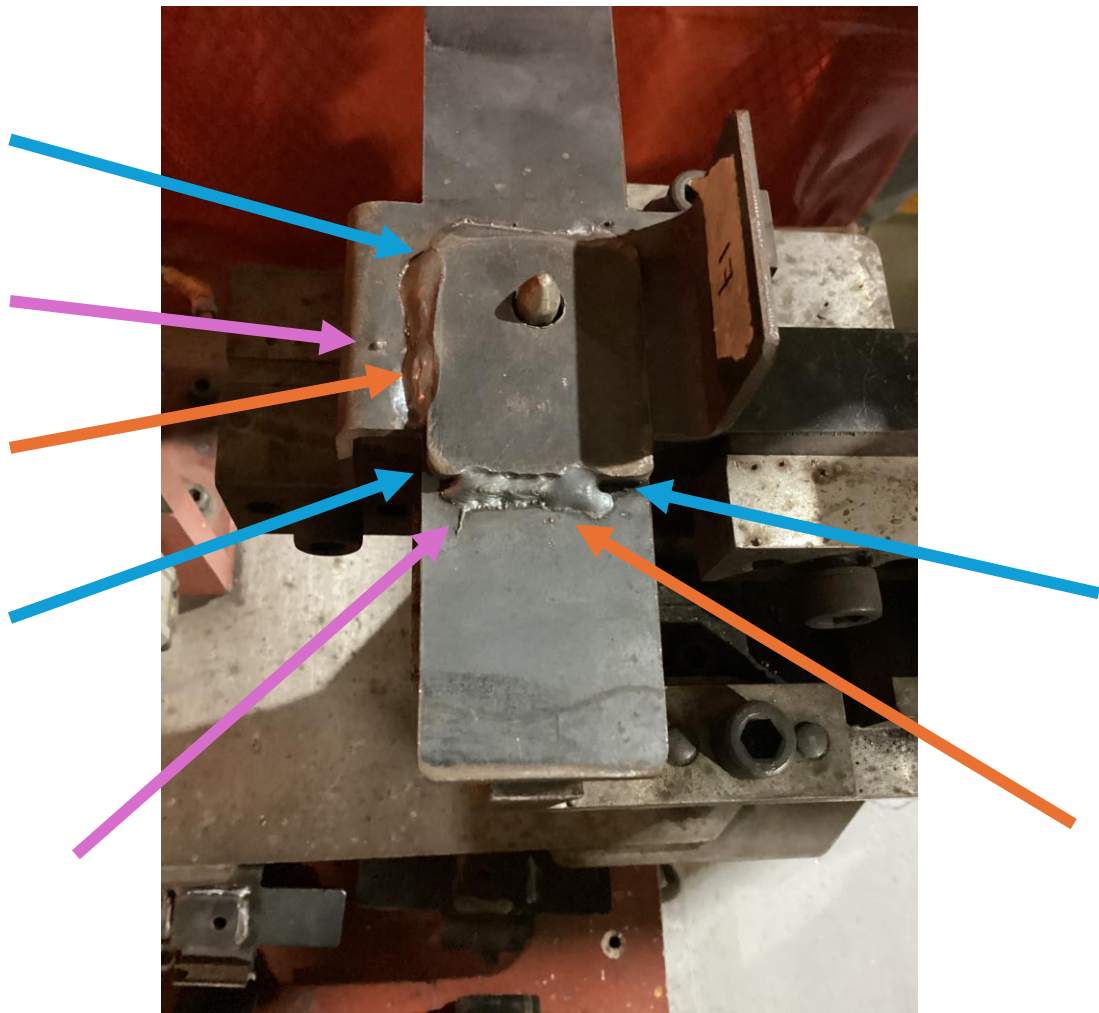| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
16F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

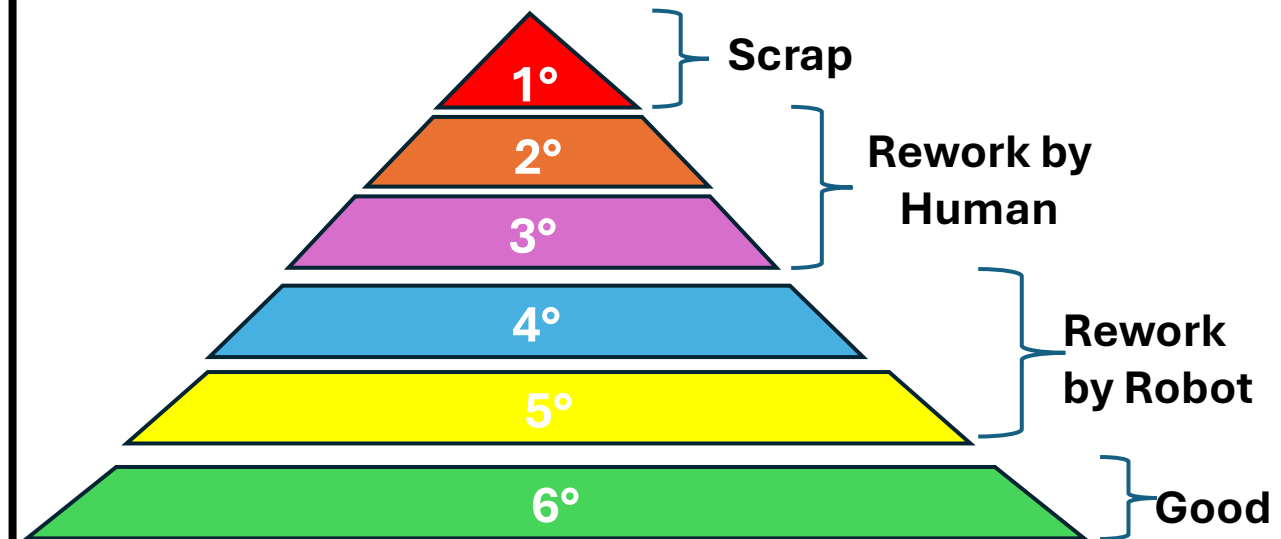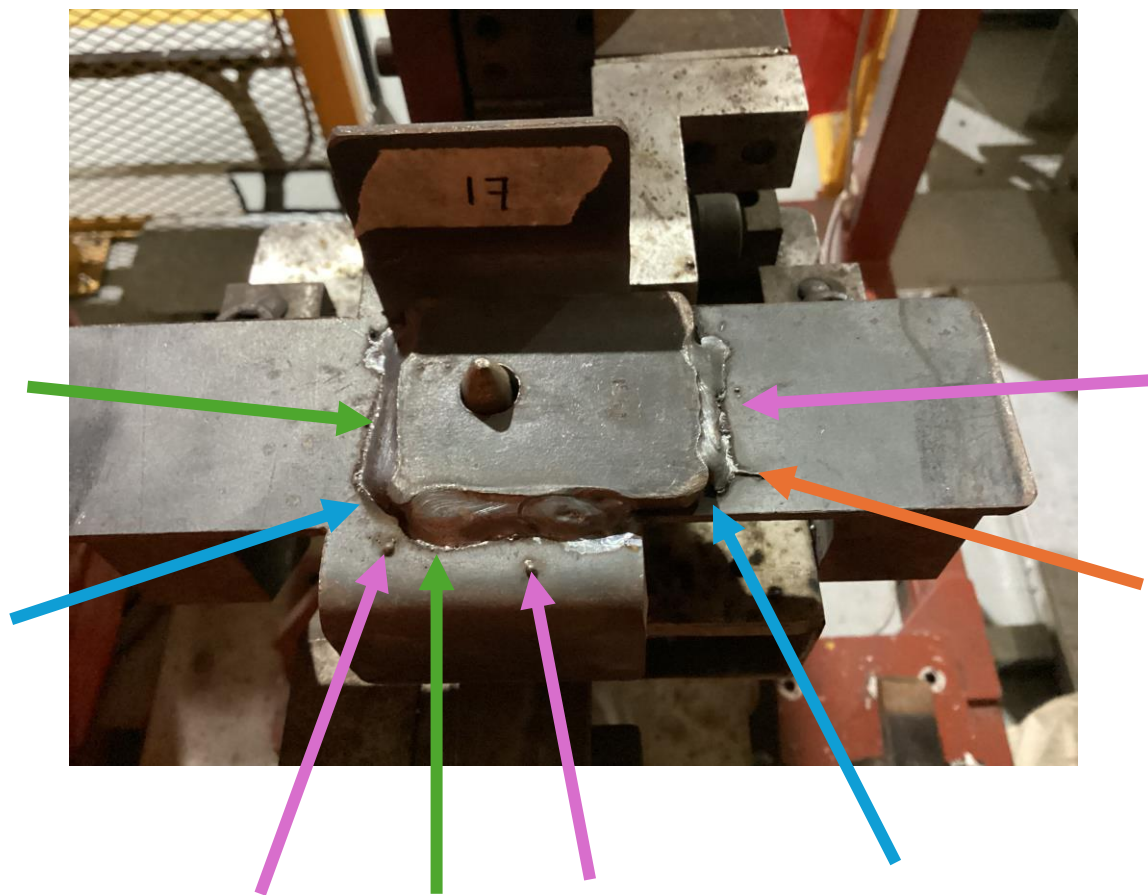| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
16I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

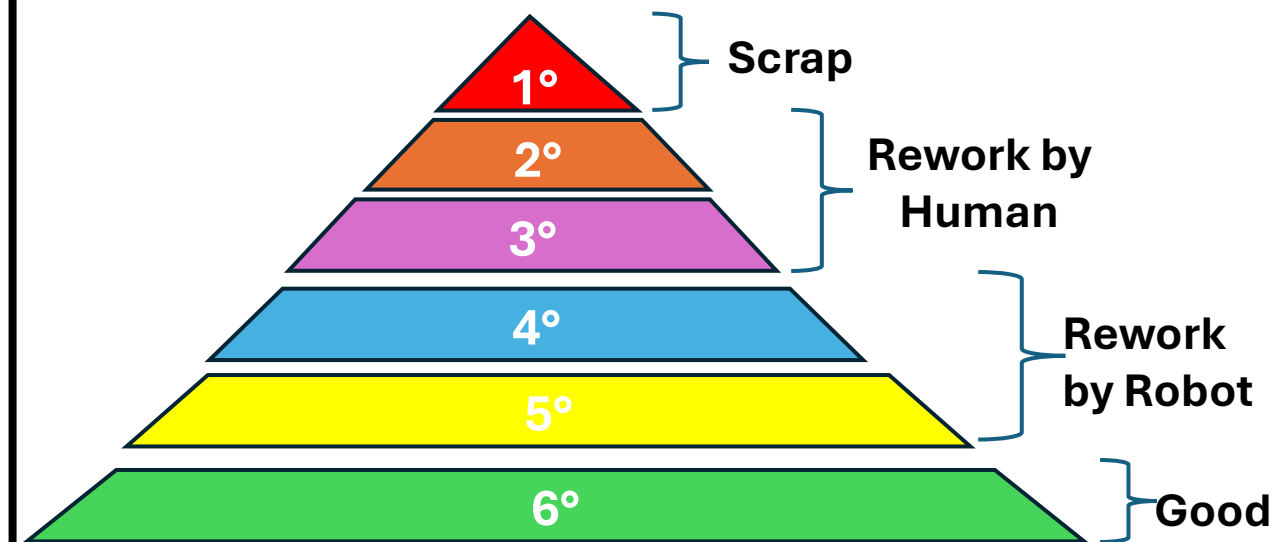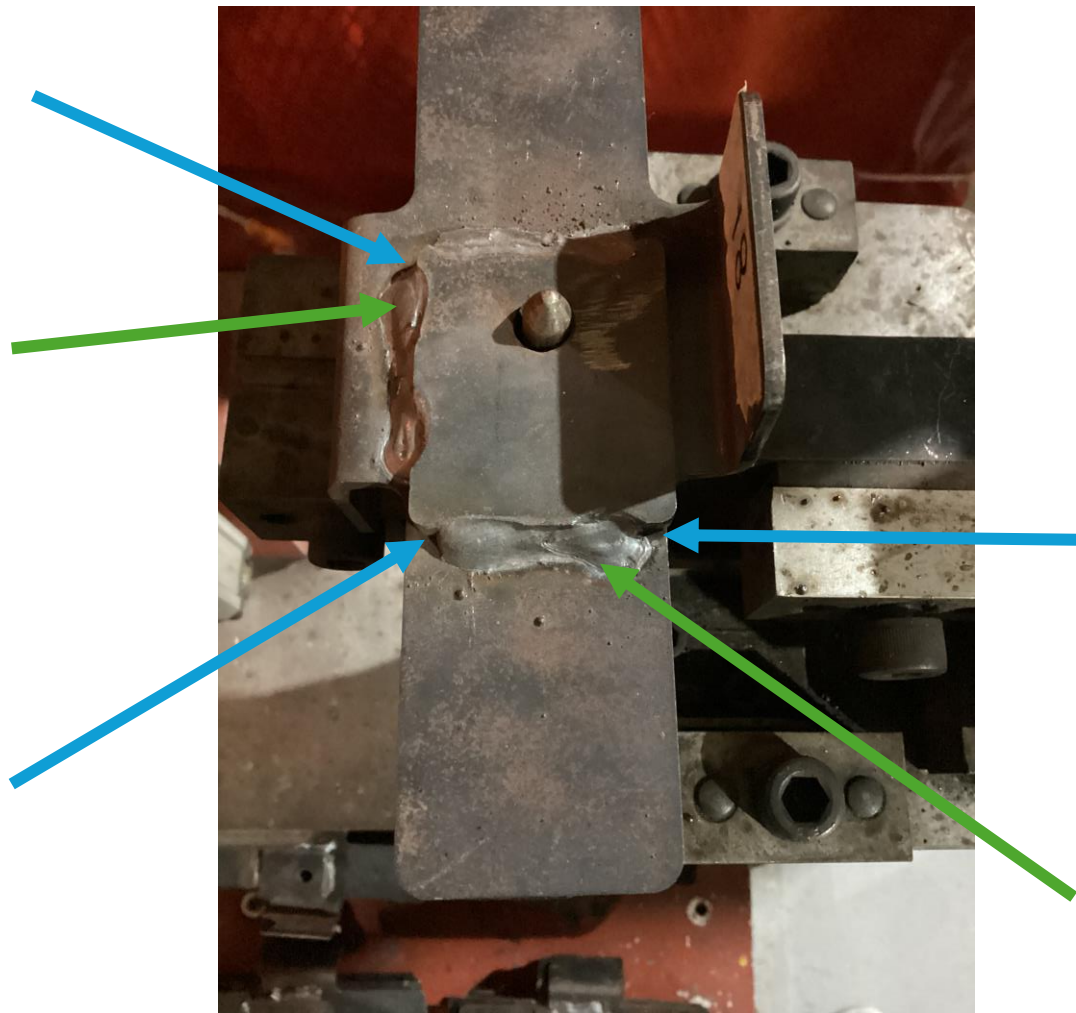| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
17D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy pyramid:
- 1° — Scrap
- 2° — Rework by Human
- 3° — Rework by Human
- 4° — Rework by Robot
- 5° — Rework by Robot
- 6° — Good

Error Hierarchy

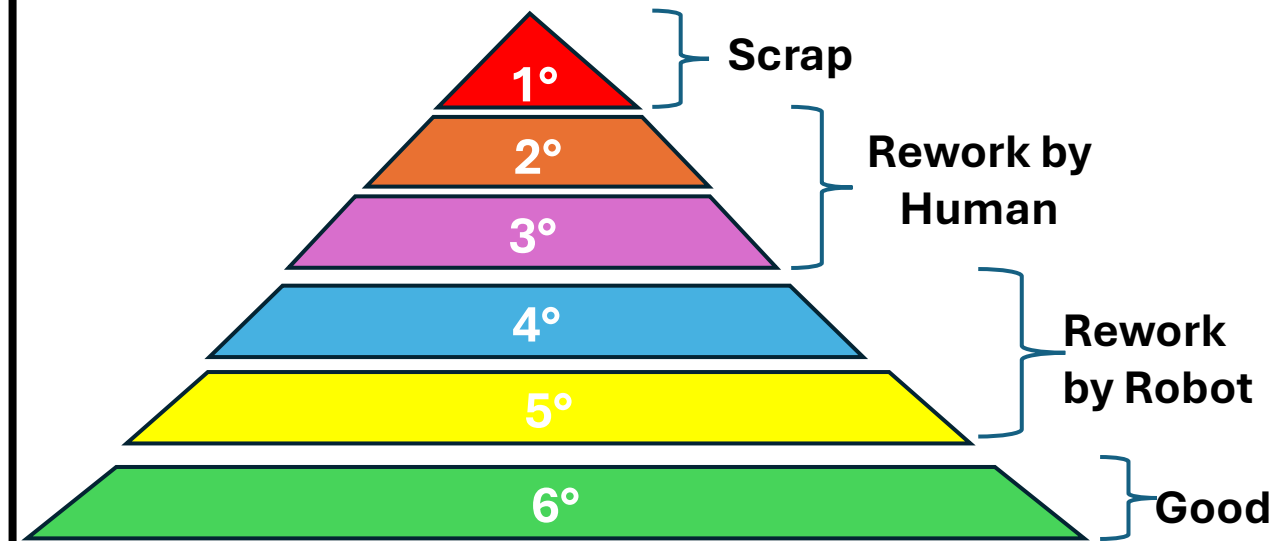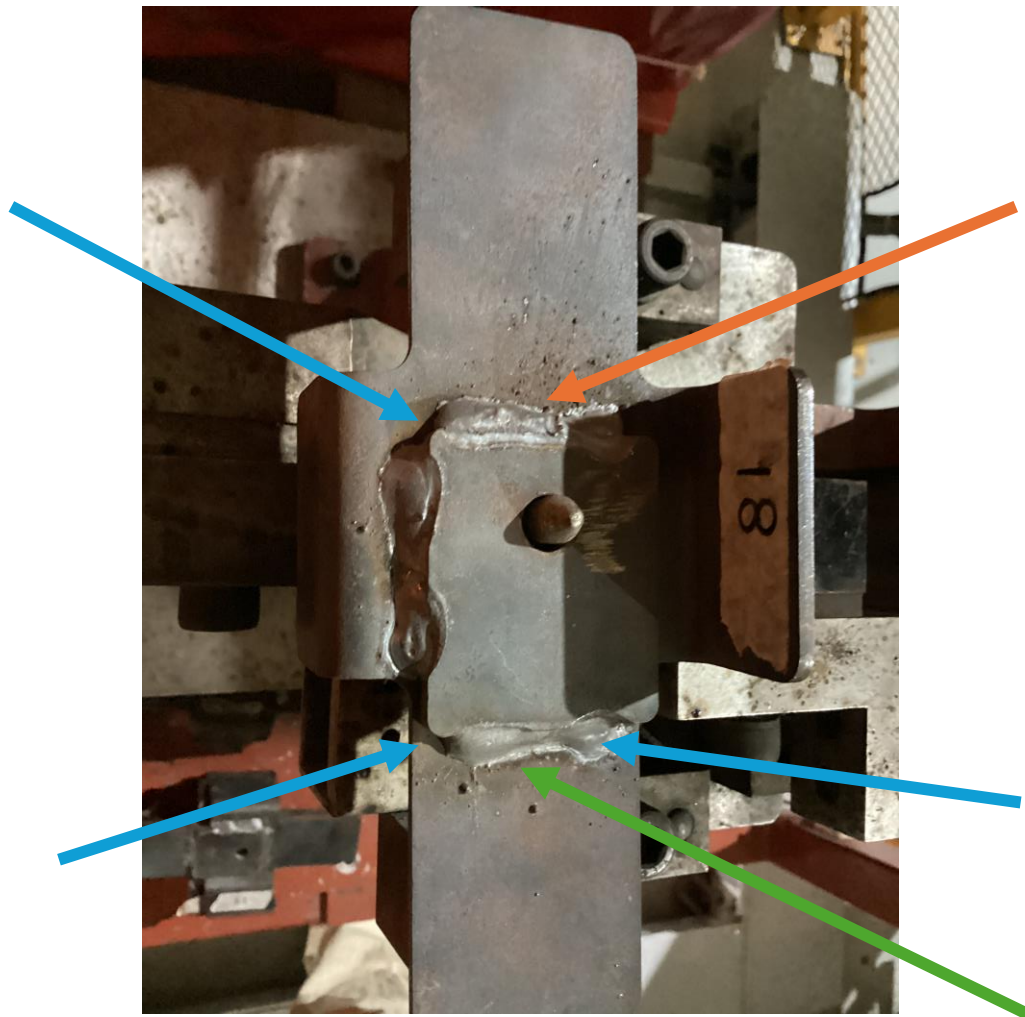| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
17F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

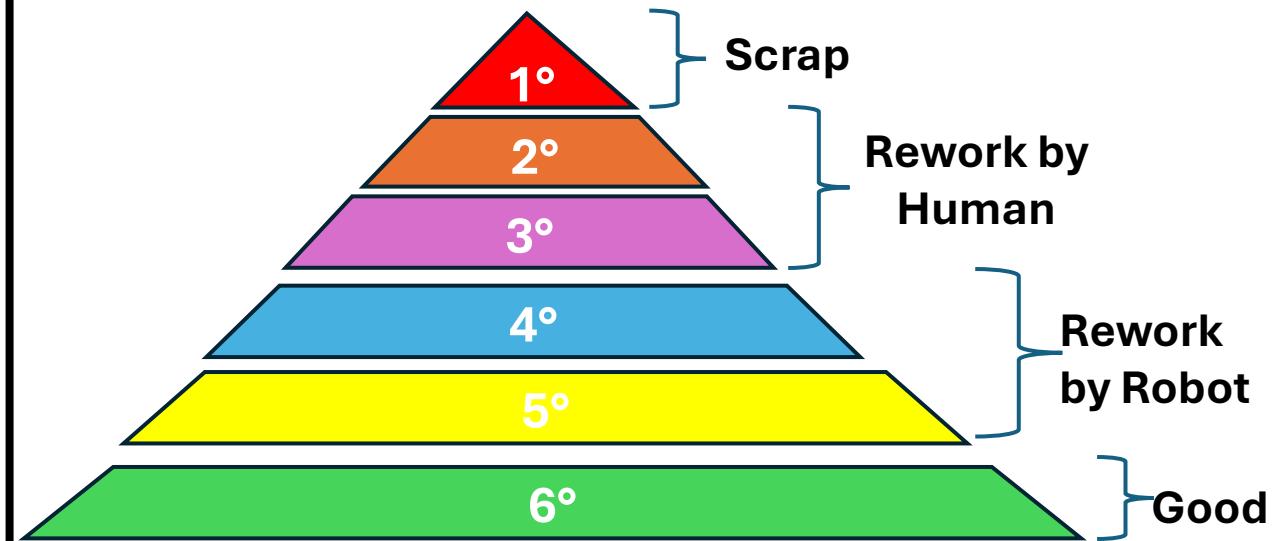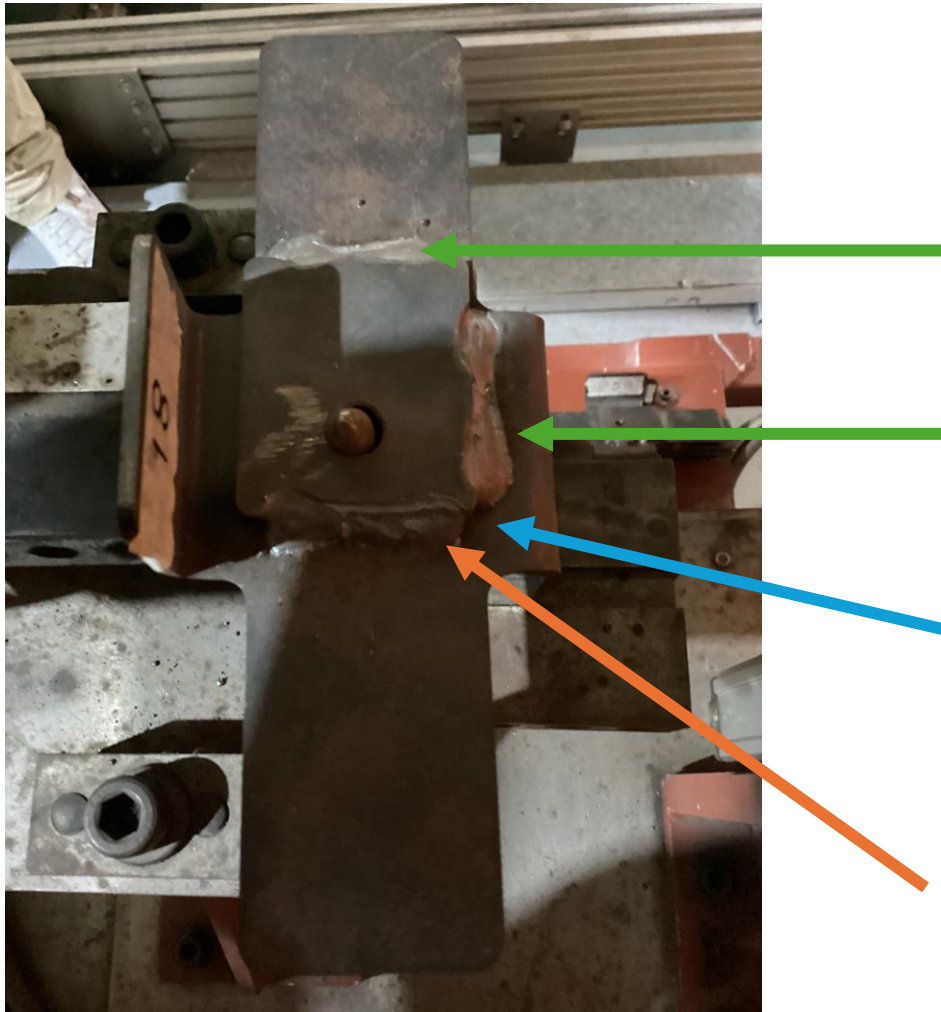| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
18D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

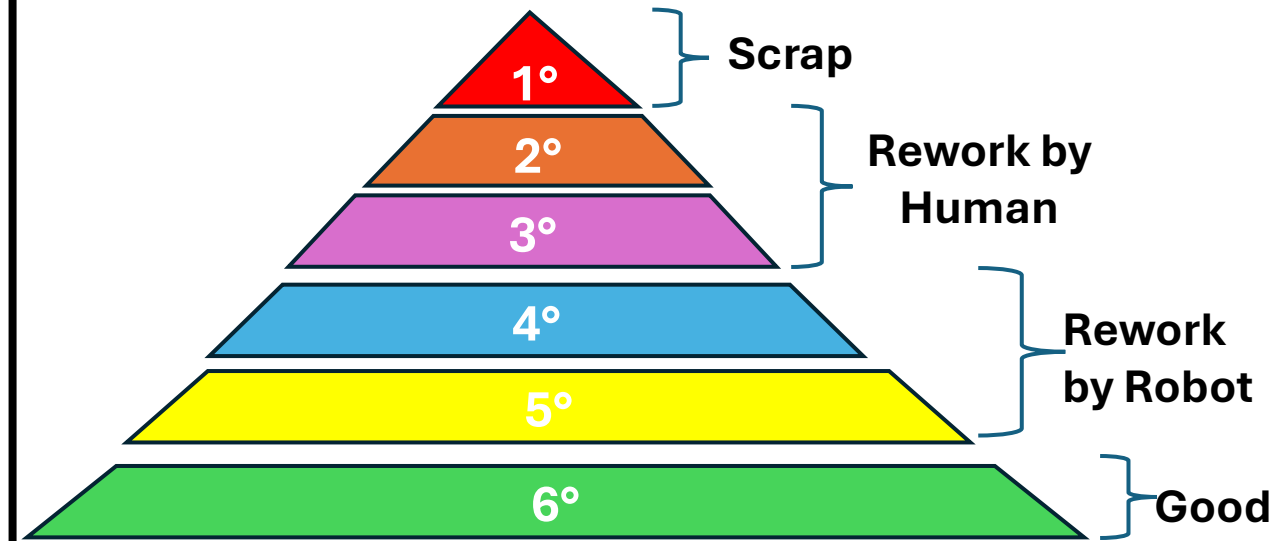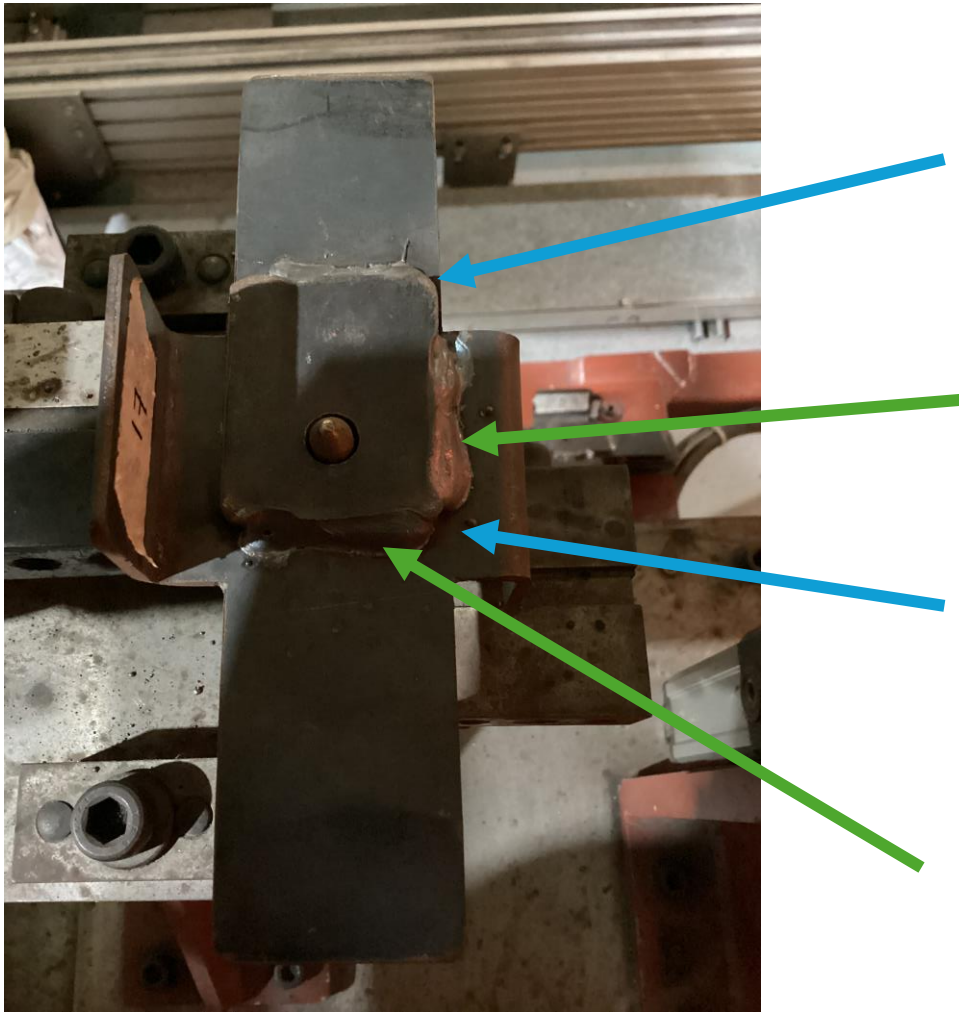| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
18F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

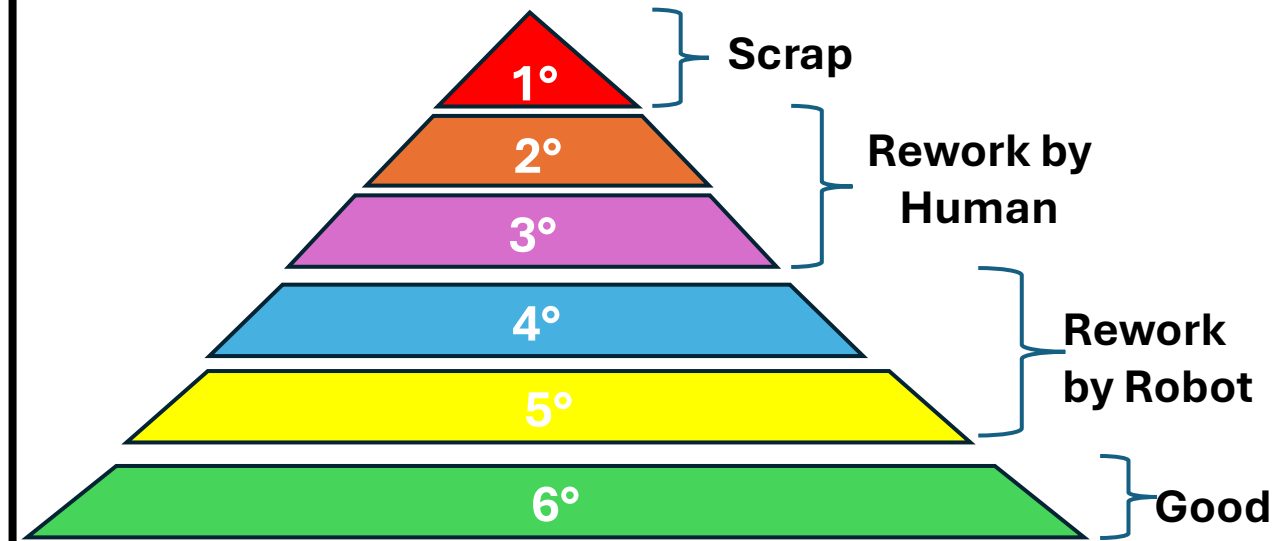| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
18I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

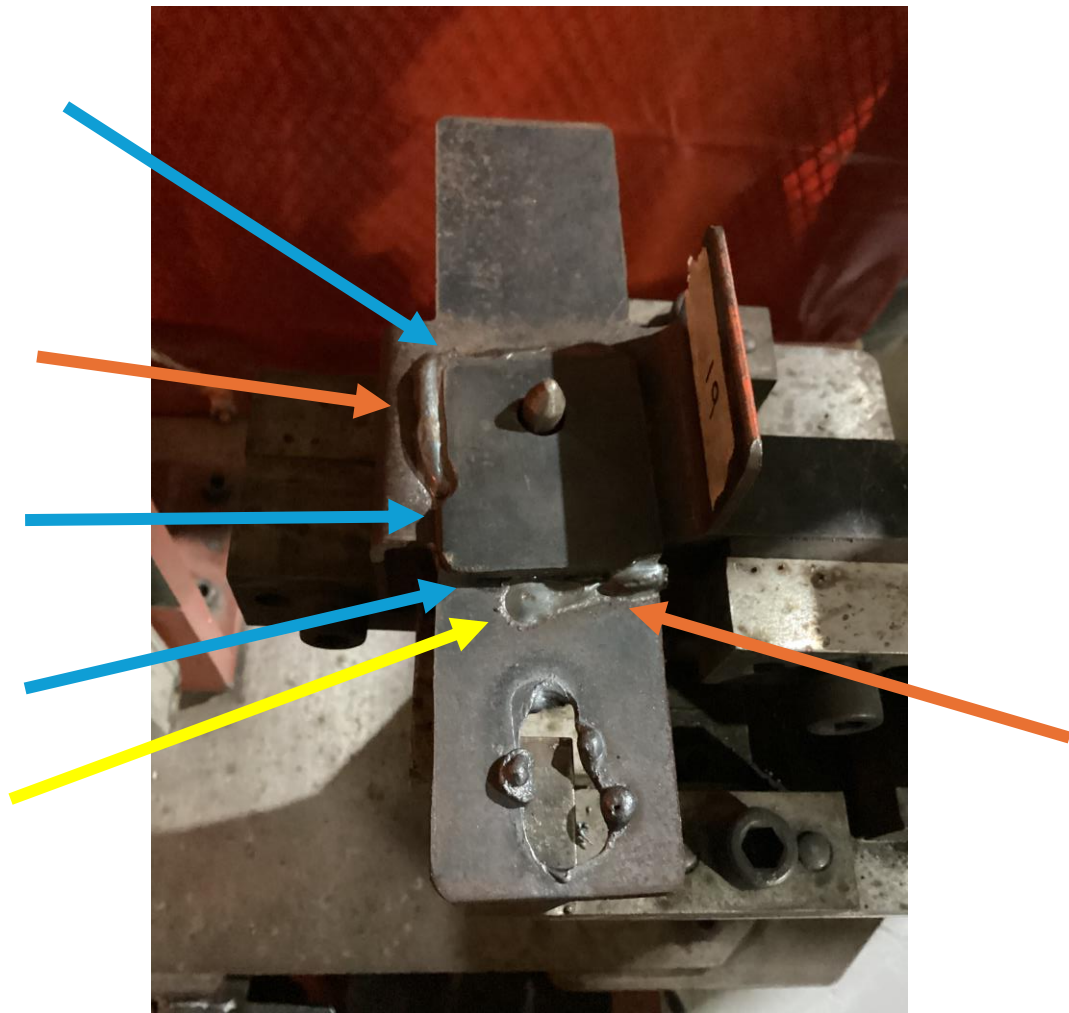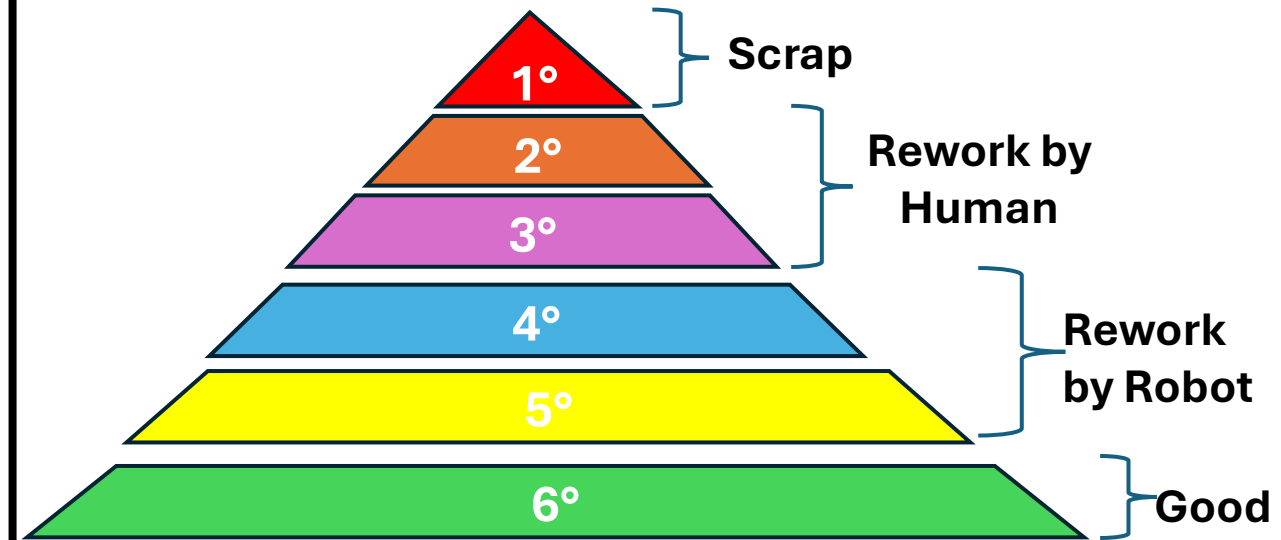| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
18I_1	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

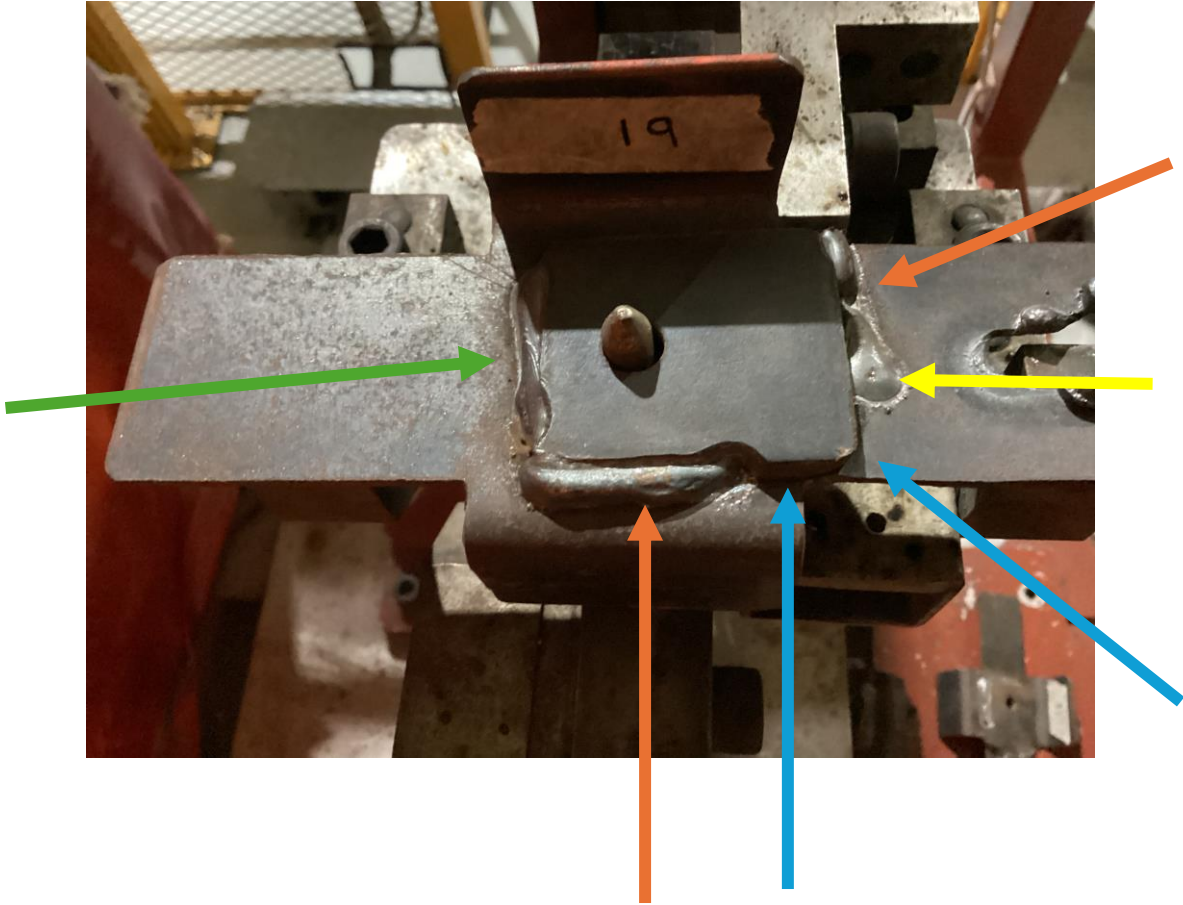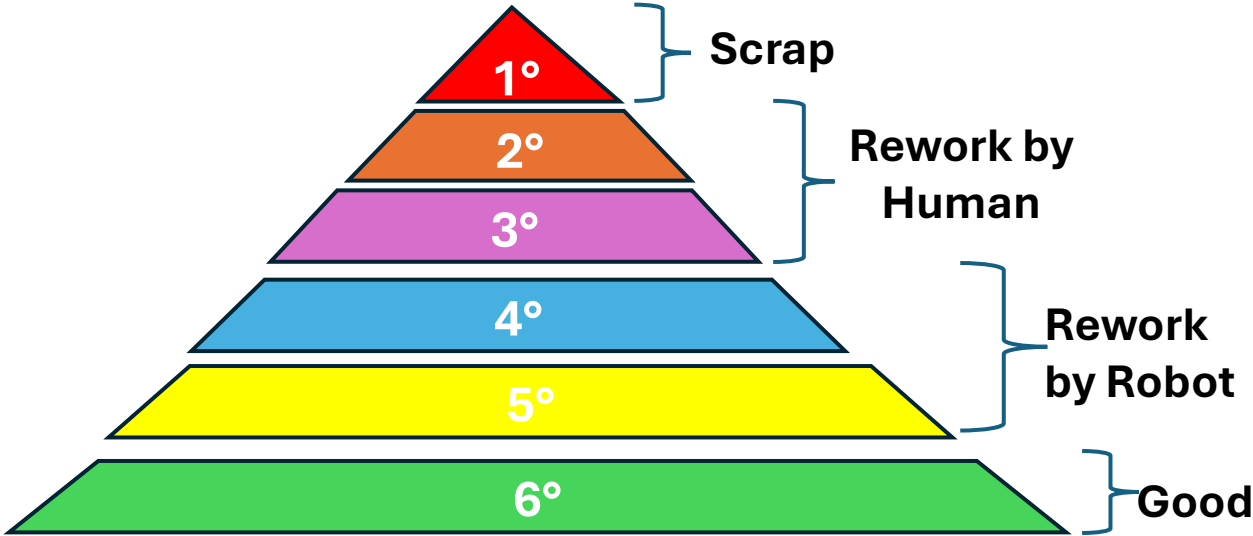| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
19D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

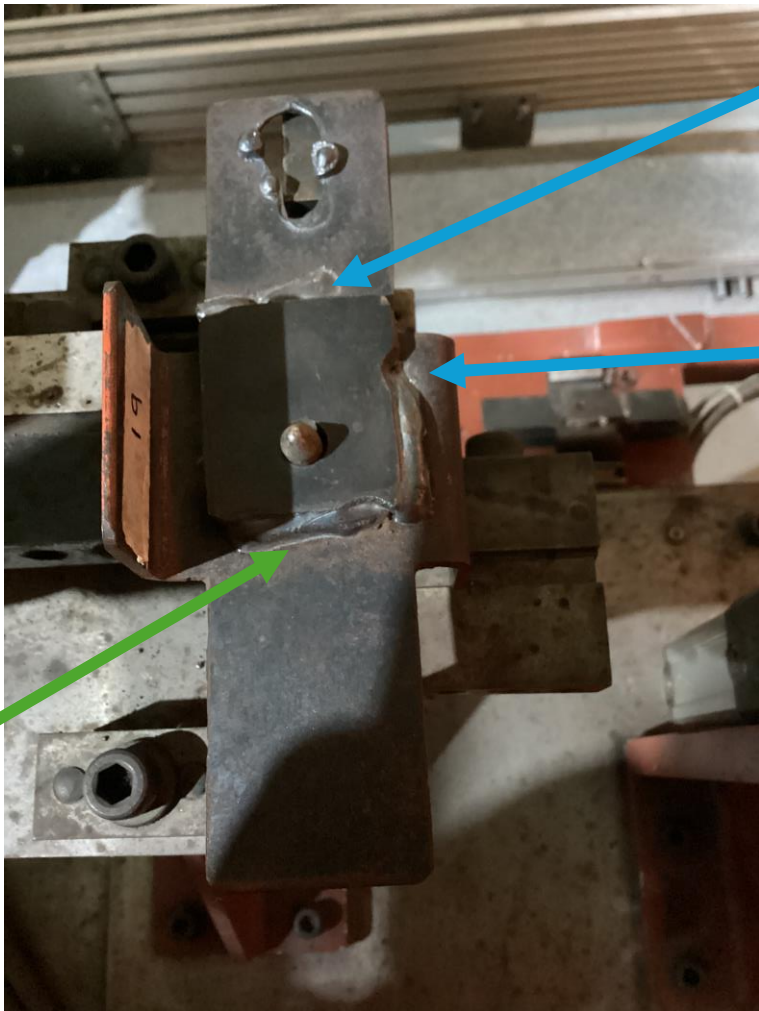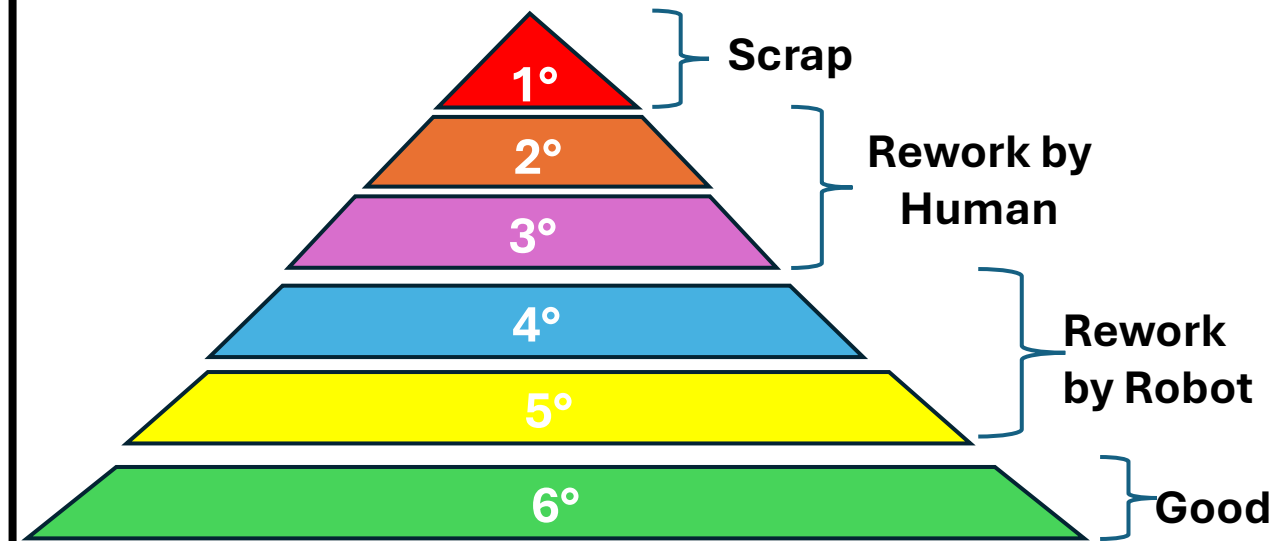| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
19F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

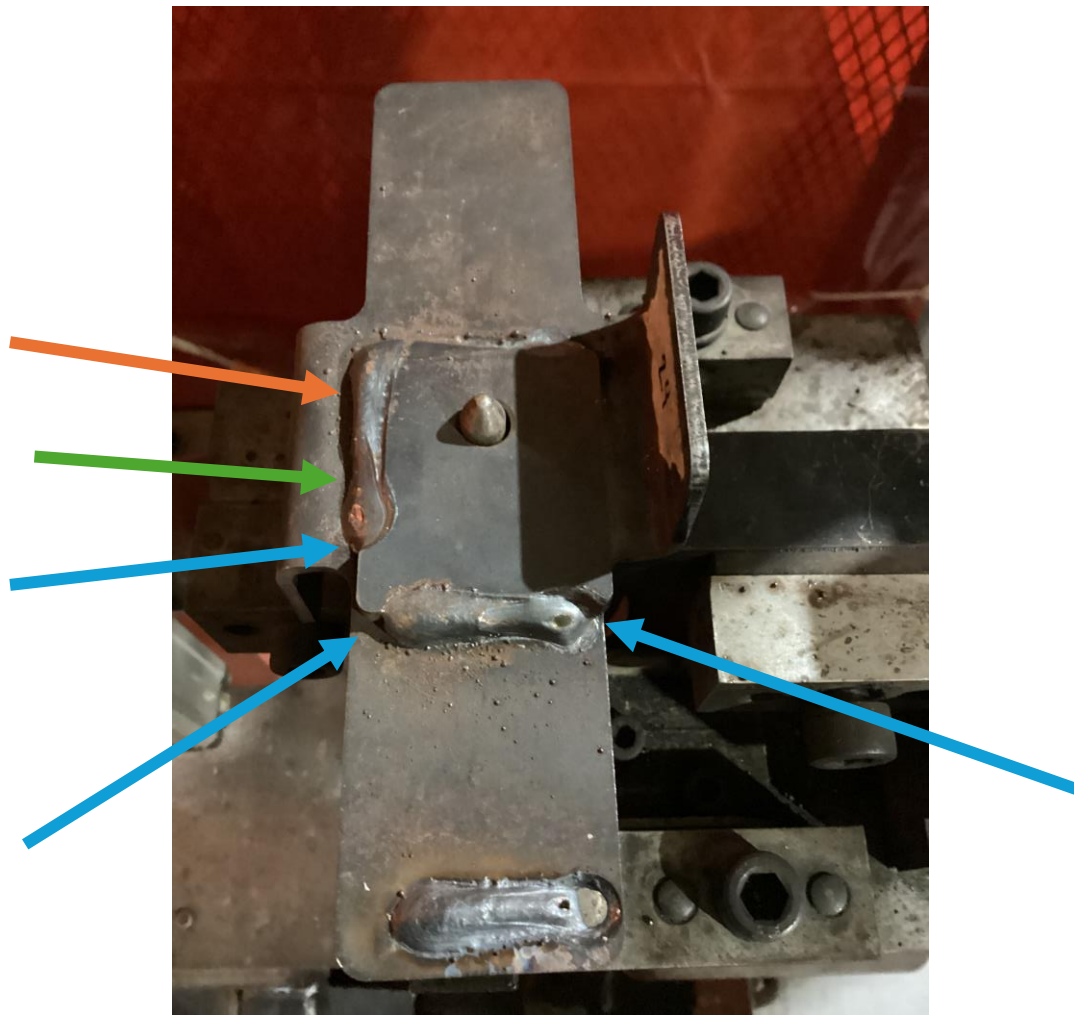| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
19I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

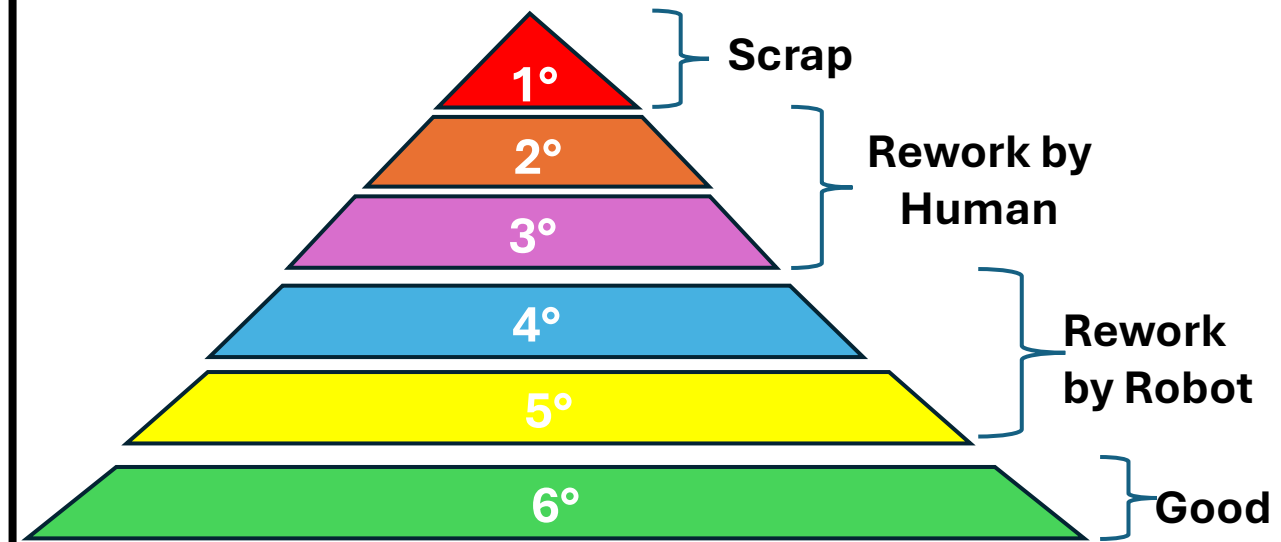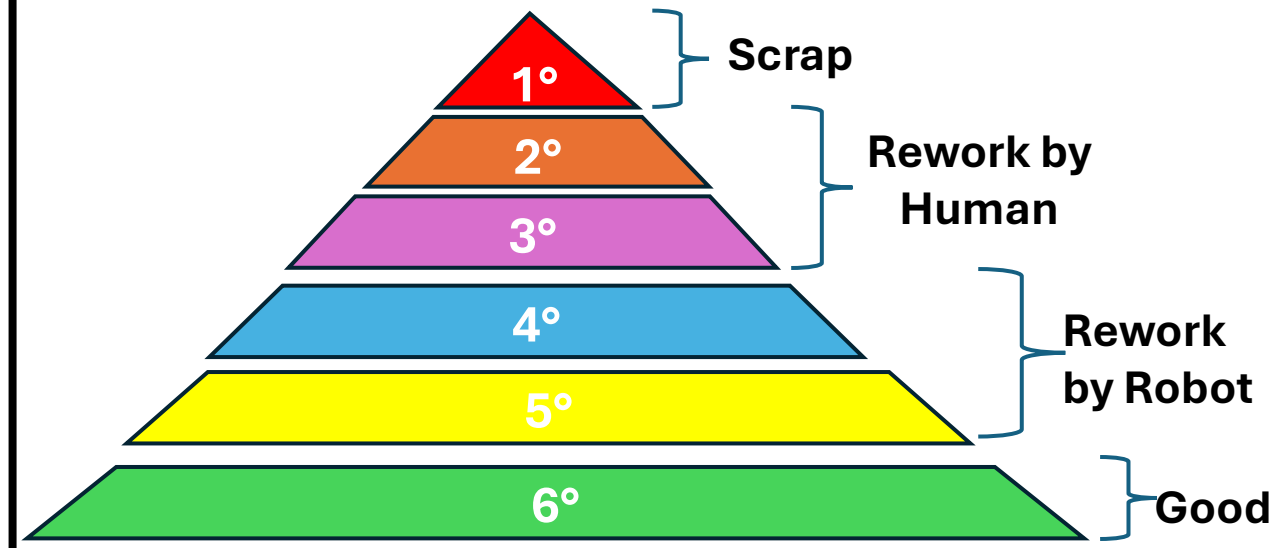| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
24D	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

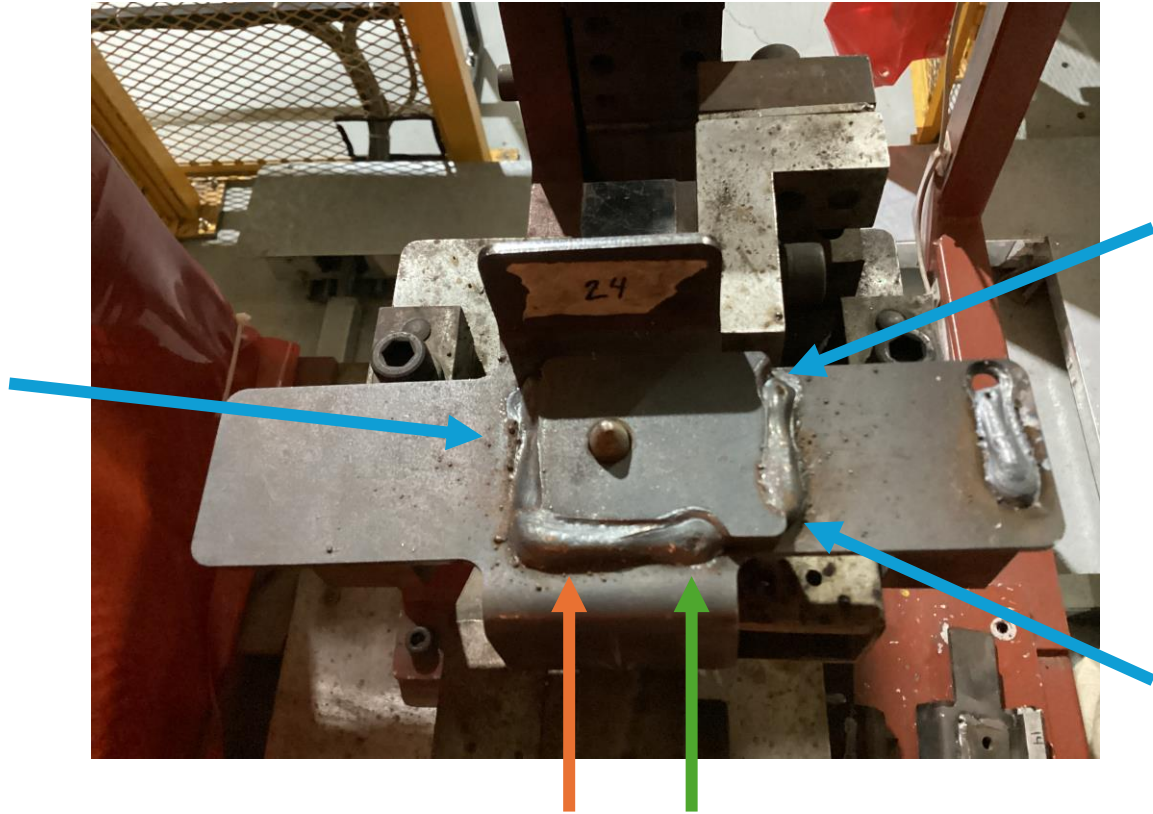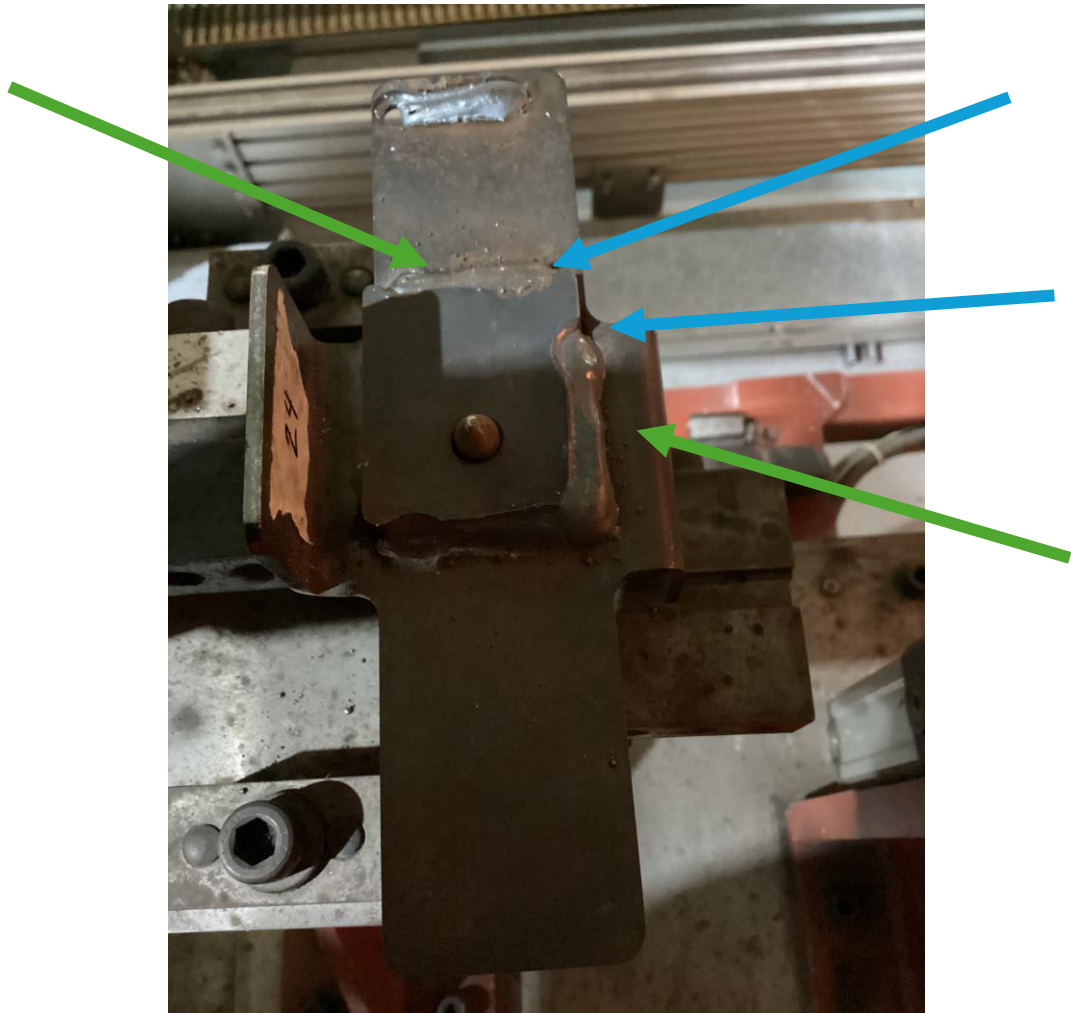| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
24F	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

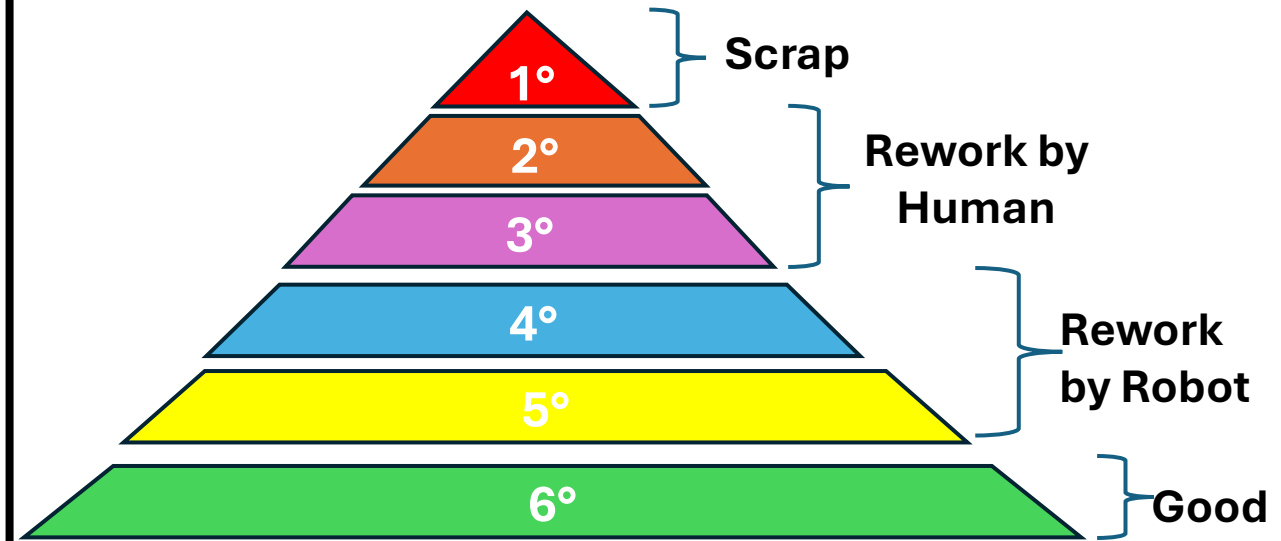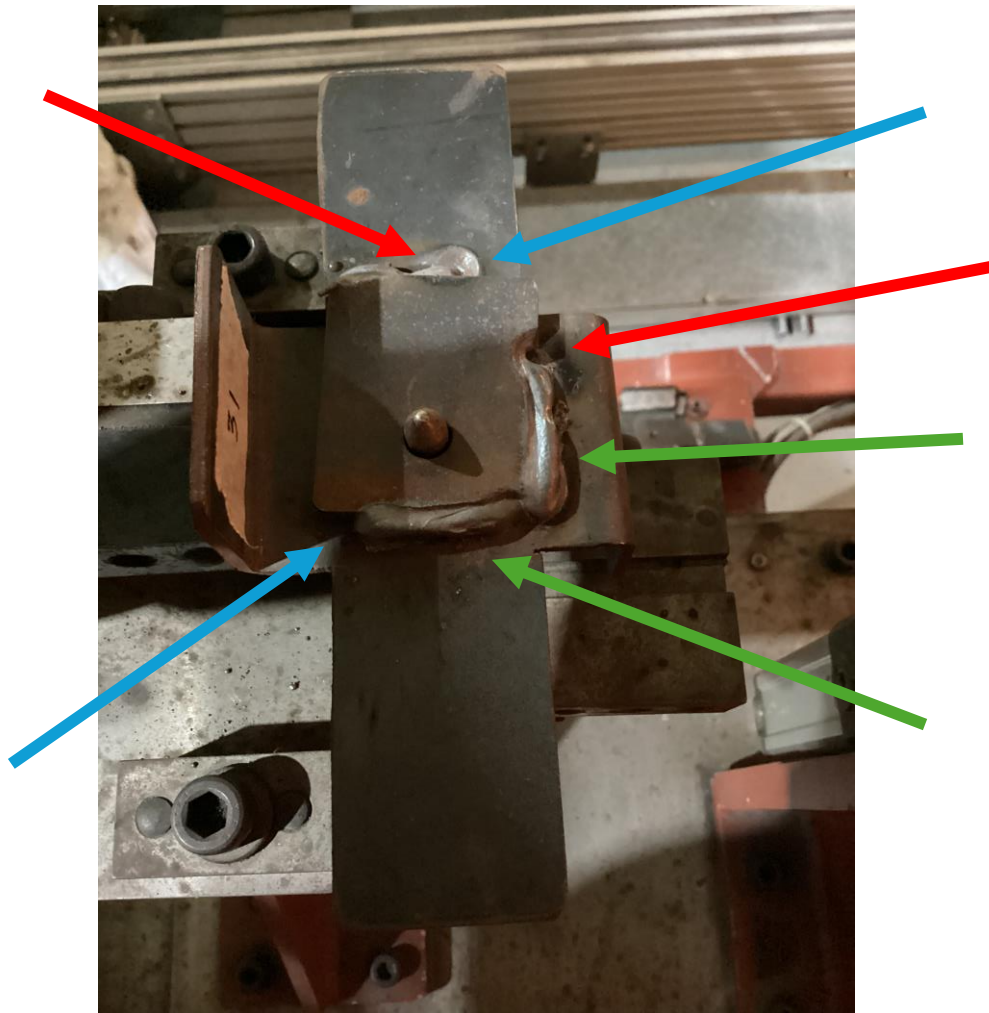| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
24I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Error Hierarchy

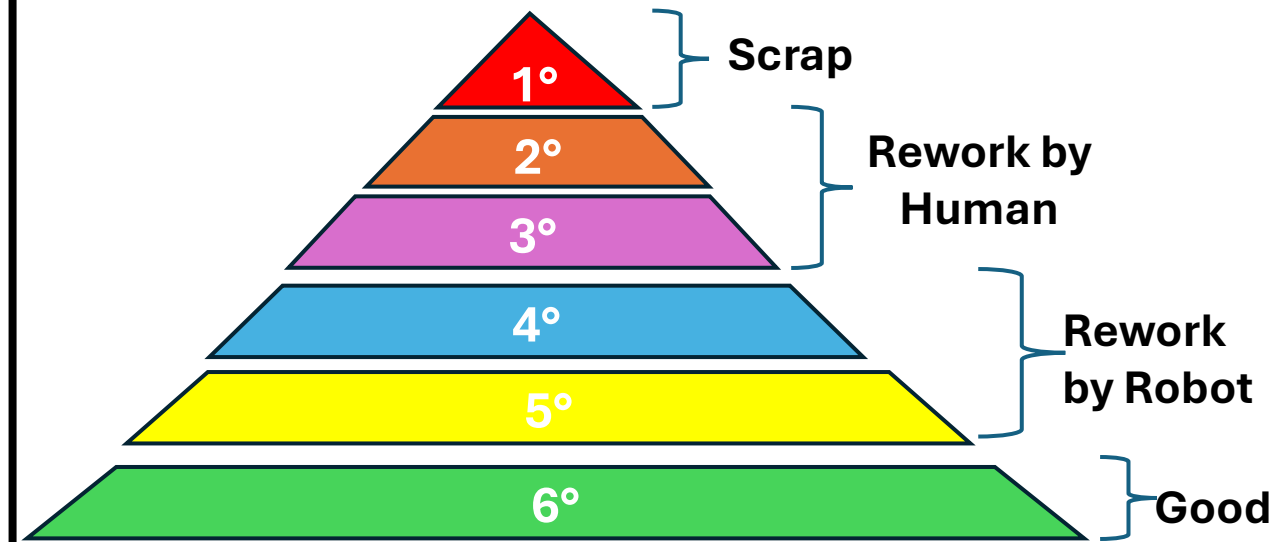| ITEM	Good	Rework by robot	Rework by robot	Rework by human	Rework by human	Scrap
31I	Homogeneous Geometry	Incorrect Trajectory	Lack of Welding	Remove splatter welding	Remove welding seam	Check if it's a hole

Pyramid levels:
- 1° — Scrap
- 2° — Rework by Human
- 3° — Rework by Human
- 4° — Rework by Robot
- 5° — Rework by Robot
- 6° — Good