



Application
Resistance Welding

Products Used
955S

Problem

Eight nuts are welded to the seat pan. If any of the nuts are welded upside down, the entire pan is scrap.

Solution

The customer attached a 955S LDT & Floating Magnet on each weld head. As the weld heads approach the nuts, position readings are taken. The nuts have weld projections on the backside of the nut. If one or more of the nuts are upside down, the weld projections cause the position readings to be different than when the nuts are in the proper position. This 'bad position' information is sent to the PLC and the welding operation is halted.

Benefits

- Saved thousands of dollars in scrap.
- Improved the overall quality of this part.
- Quality control.

Conclusion

Attaching the LDT to each weld head enables contact with the nut and ensures that it is properly seated. By doing this, the possibility of scrapping material is lessened.



955S BRIK LDT



AppNote.AOR
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