

Knife Web Wheel Resolver

Upgrade

Upgrade Application

Applicable to Model I and Model II knives or any knife with encoders (pre-DECC). It is recommended that Encoder to Resolver Conversion Upgrade #7990489 be performed at the same time. Other upgrades to consider are Web Wheel Support Pins Upgrade #7993469 and Web Wheel Hold down Support Upgrade #7993467.

Upgrade Description

Provides conversion from encoder to resolver feedback. Replaces web wheel resolver assembly – encoder cables are replaced with new resolver cables and web encoder buffer cards are replaced with new resolver cards.

Upgrade Benefits

- Large amounts of downtime occur annually due to the failure of encoder devices. Encoder failures (estimated to happen on average about 1-2 times per year) typically occur in areas involving high stress applications. Because encoders use a glass disc and internal electronics to produce positional information, they are susceptible to excess heat, vibration, and rough handling, which may result in disc breakage, electronic component failure, and electrical noise.
- Resolvers are much more durable than encoders, reducing the risk of cylinder control problems and/or cut length inaccuracies. In addition, electrical processing of the resolver positional information is done at the far end of the resolver cable, away from rough environments, further reducing the likelihood of problems typical to encoders

