Drivbiwire VNT15/17 repair procedure

Tools needed:
T-20 Torx
10mm Box end wrench
17mm Box end wrench
Steel Drift
Heavy weight hammer
High temperature (1700°F/ 930°C) or greater
Pick
Green Scotch-Brite
Emery Cloth
Remove VNT Actuator and the retaining circlip
Soak it well!!!, patience you may need to wait overnight!
Always replace oil line!
DO NOT hit the ALUMINUM!!! Verify with every hit you are on the cast iron bearing housing!!!
2 O'clock position
With turbo laying on it’s side
Most common area that jams the VNT rotating ring...
One area of concern regarding soot
Use pick and get all the carbon and rust out of corners...
DO NOT scratch or sand this area. Use Green Scotch-Brite to get carbon off face.
Clean the VNT face of all soot residues using Green Scotch-Brite...
Raised spacer, maintains clearance and acts as a contact point between VNT control ring and Turbine housing
Note clearance, or lack there of...excessive soot build up is a bad thing
Carb and Choke cleaner plus Scotch-Brite
Caution! Harmful to humans. Prolonged contact may cause severe irritation. Contains nickel, a listed carcinogen. IARC, OSHA, and California require warning. Avoid breathing fumes in case of contact. In the event of swallowing, DO NOT induce vomiting. If swallowed, DO NOT induce vomiting. Move to fresh air. Seek medical attention immediately. ALL EXPOSURE TOXIC. KEEP OUT OF REACH OF CHILDREN.

See Material Safety Data Sheet. Voir le Sheet de données de sécurité. 

For further information, contact the manufacturer. 

For additional information, visit our website. 

Performance N-5

Sulfur 9

Sn 0.5

Cu 0.7

1/17/97

100°F - 240°F
Pick all the rust from the bearing housing groove
Emery Cloth to remove
Alignment Pin hole

Note wear ring wear marks
High Temp Anti-Seize to hold spacer in place
Insert Guide vane plate then insert screws thru the plate and thru the spacer rings, make sure spacer rings did not fall out of position!!!
Make sure all Guide vanes are visible with slot aligned with screw
Insert Spacers and pins
Check Guide Vane alignment
High temp Anti-Seize
Alignment pin inserts into alignment hole