

# The Proper Care & Feeding of the Rotax Motor

## PART #24: A COMPREHENSIVE GUIDE TO TROUBLESHOOTING

by Mike Stratman

**I**t has occurred to me that the little man in our trademark cartoon may need some help. But often times anger and frustration seem the natural reactions when you would rather be flying than tinkering. Possibly the hardest part of diagnosing engine trouble is knowing where to start.

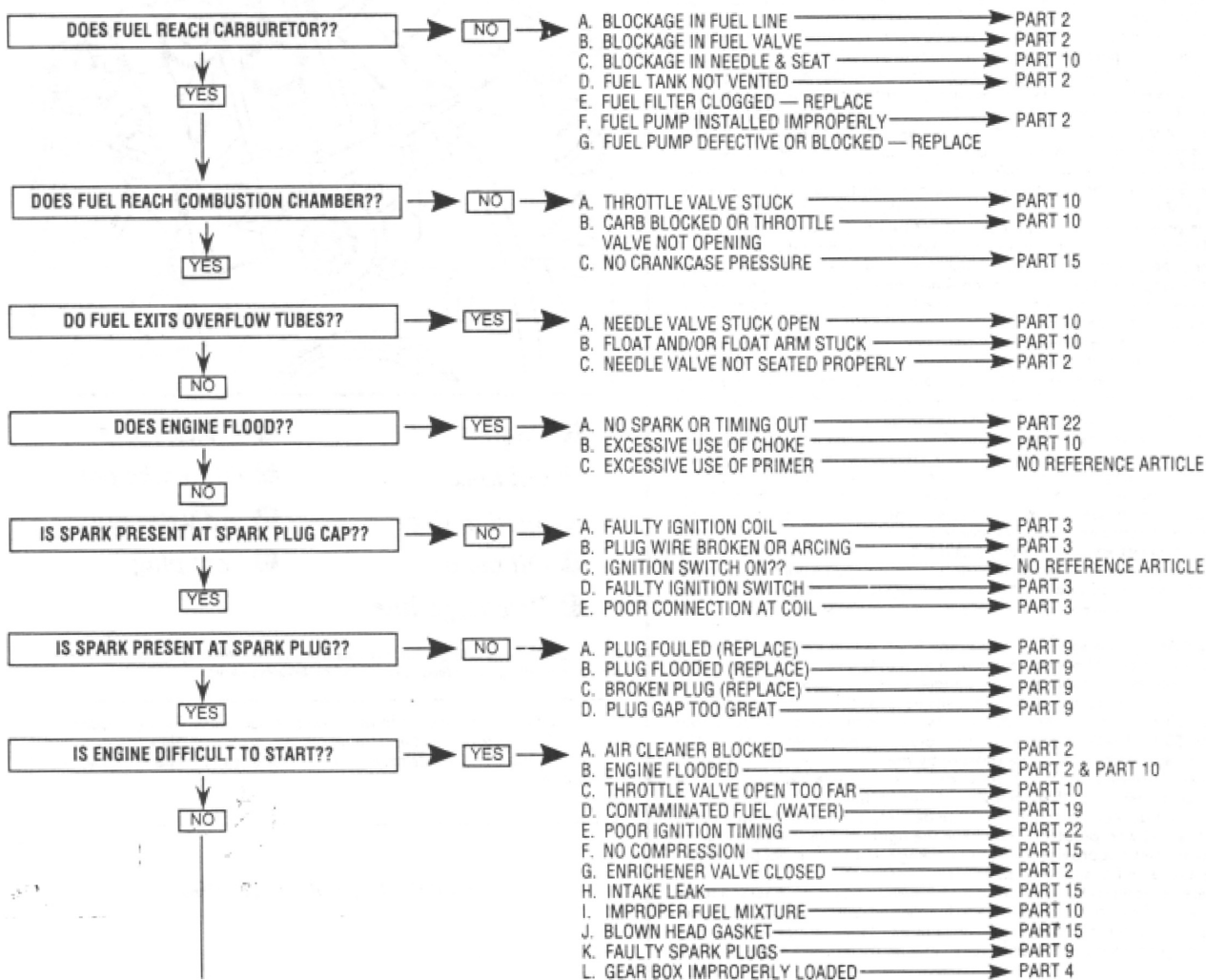
One of the most common inquiries we receive is information concerning or help with troubleshooting. A lot of people think troubleshooting is an art form, when really it is a step-by-step procedure that should lead to the resolution of most common problems.

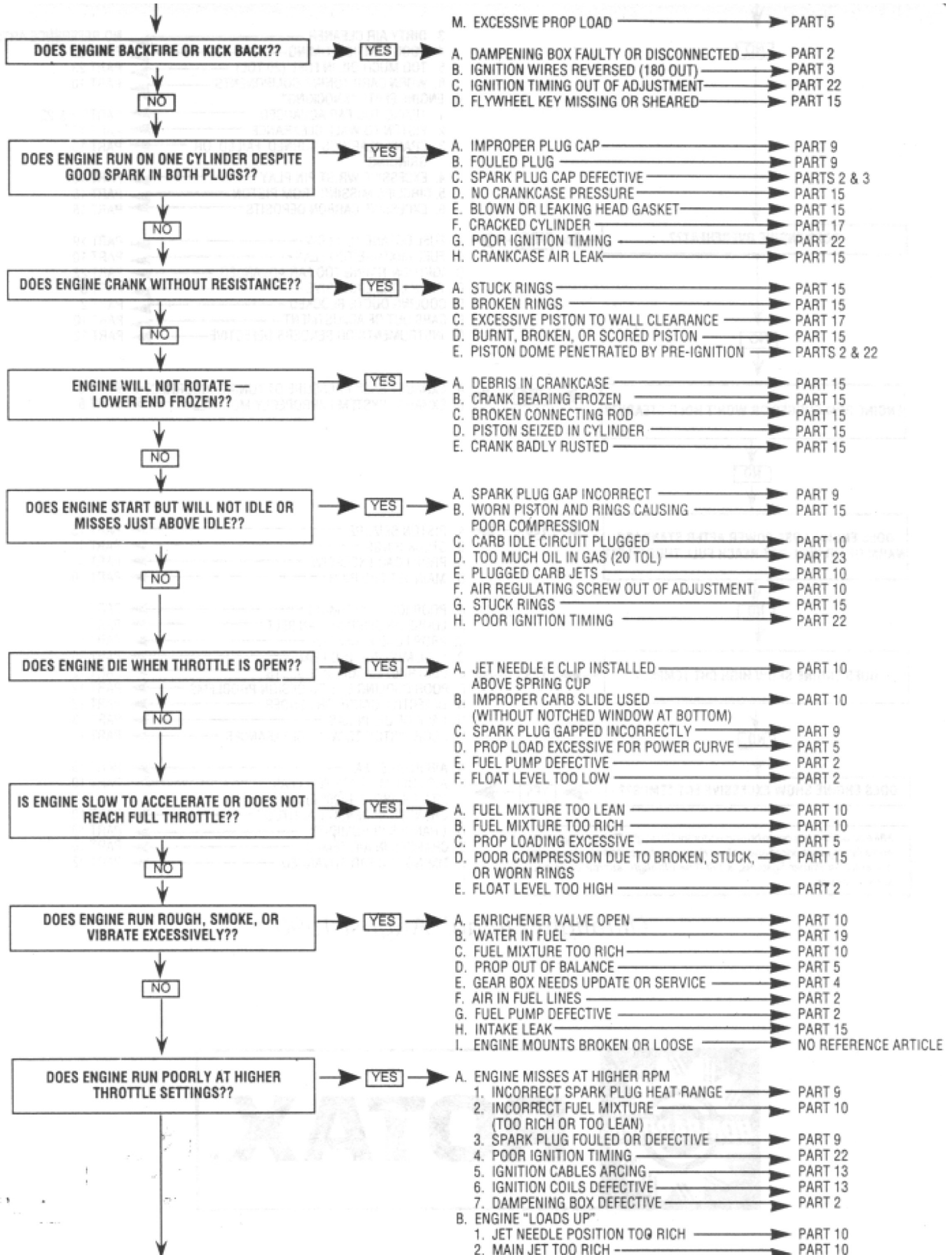
This month we'll set up a complete and comprehensive guide to troubleshooting. Hopefully this issue will find its way to a permanent spot on the shop or hangar

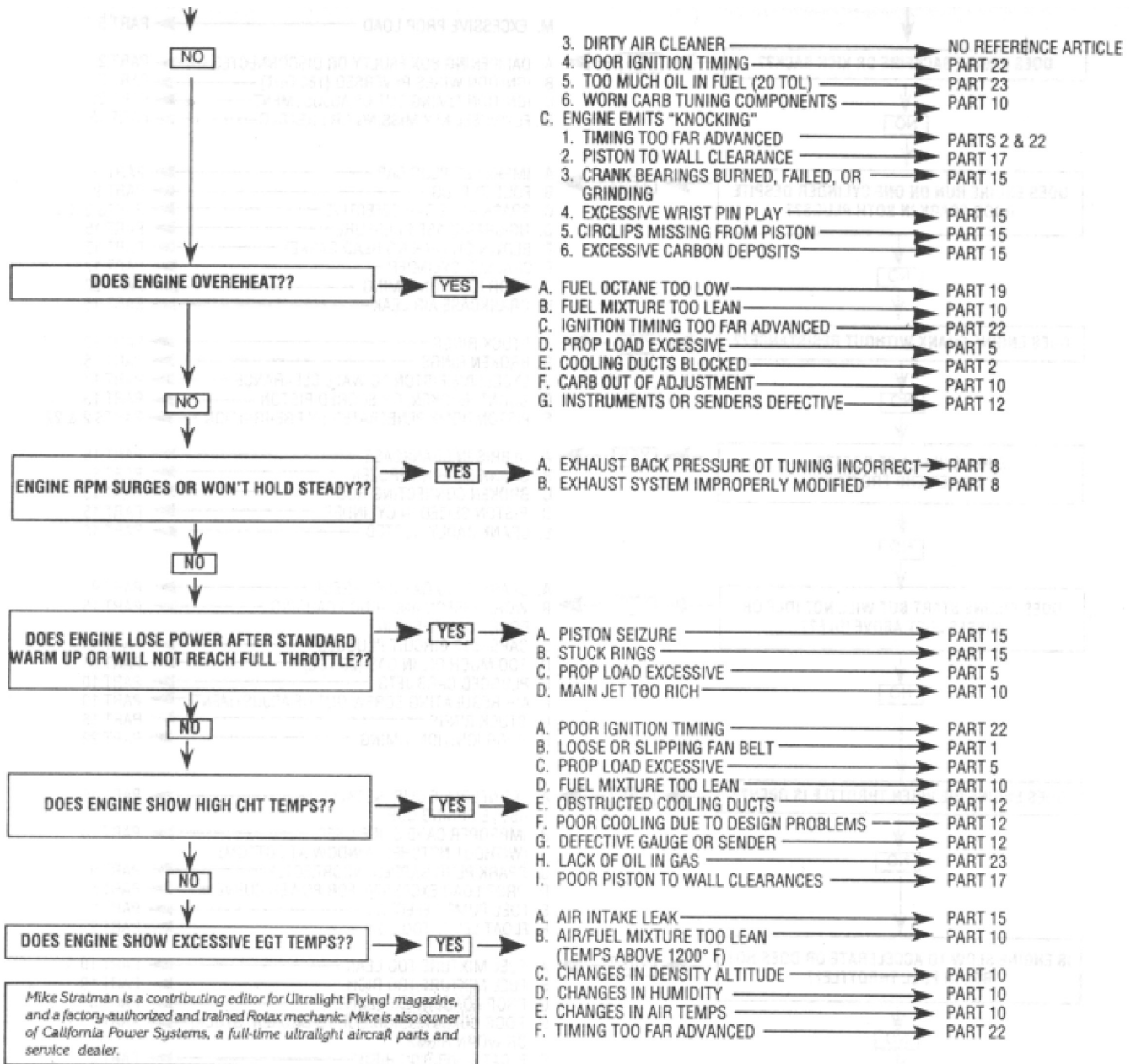
wall. As well as finding the problem, we hope you understand what to do to fix the problem so as to prevent a recurrence. You will notice that we will be referring to past issues of the "Care & Feeding Series" for a more detailed explanation of a given situation. If you are looking for all 24 parts of this series, they are reprinted as a special service guide in the rear of the CPS catalog and updated within a few days of the actual publication. The newer your CPS catalog, the more of these issues you will have to refer to including this month's issue in a few weeks. All parts are also available in *Ultralight Flying!* back issues.

Engine problems fall into three main classifications: fuel, electrical, and mechanical failures. Often times it's hard to distinguish between fuel and electrical problems. Follow the flow chart from beginning to end and the problem should surface with a minimum of time and expense.

### FUEL IN TANK & READY TO GO?







Mike Stratman is a contributing editor for Ultralight Flying! magazine, and a factory-authorized and trained Rotax mechanic. Mike is also owner of California Power Systems, a full-time ultralight aircraft parts and service dealer.

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