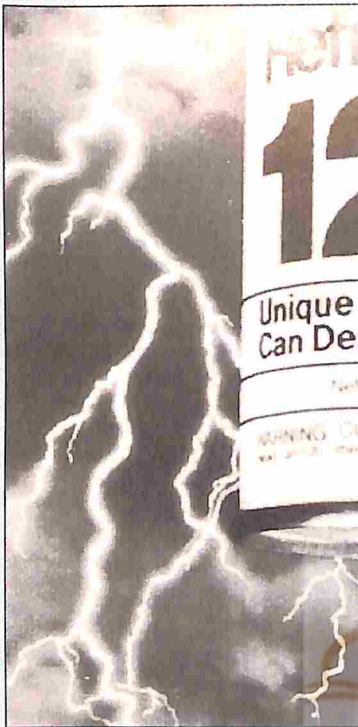


MOTOR

JUNE 1991

ON THE COVER



19 Storm Over A/C Service

The winds of change are blowing through the a/c service industry, and R-12 recycling is just a light drizzle compared to what's being predicted in the long-range forecast. Hang onto your hat as industry expert Paul Weissler answers your most pressing questions about the future of a/c service. See a related report beginning on page 25. Cover photo by Jim Richards.

TECHNICAL

8 Trouble Shooter R-12 weighs heavy on the mind of this technician as he ponders CFC's negative effect on the ozone layer. Our Mr. Wizard has the answers. Plus, a penny-pinching tip from the Ozarks.

12 Trade Secrets These days, you can't afford to monkey around. Bob's handling of a noisy Blazer engine shows how to wage guerrilla warfare to get your share of the car repair business.

14 Eye On Electronics Hall effect sensors are a hundred-year-old idea whose time has finally come. Mike Dale explains how they work and why they sometimes don't.

25 MACSimizing A/C Service While everyone awaits the debut of R-134A, the carmakers are quietly improving existing systems. Here are the latest service tips from the MACS convention.

31 Foreign Service When it comes to gaskets, lightweight imported engine designs are a lot less forgiving than the hefty ol' Detroit iron you may be used to. Here's how to make sure you don't get burned when sealing up an import.

38 Service Slants A/C service tips and unlikely fixes for weird problems, straight from the factory service bulletins, starting with a rewiring solution that will increase cooling in 1986-88 Cadillac Broughams.

REPORTS

6 Editor's Report What do Operation Desert Storm and Main Street, USA, have in common? It's the highly trained technicians who made and make them both work. This month, we honor a handful of the best. But keep in mind, there are lots more like them out there.

27 Newsbreak New materials seen at the SAE show may make cars simpler, a mechanical air bag, '93 Chrysler LH cars, the world's smallest V6, blown Buicks, tough new anti-tampering laws, VW's ECodiesel and more.

34 Aftermarket Monitor This new column will keep you up-to-date on breakthroughs in shop equipment, sales promotions and contests, training programs and upcoming industry events.

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