

*Technically The Best Circle Track  
Racing Magazine*



**50**

**Winning Engine Tech**

**COVER STORY: THE TRUTH ABOUT ROD LENGTHS**

The data is finally in and Technical Editor Peter Saueracker presents his findings.

**MINI BOW-TIE**

Chevy's V6-60 goes from the highway to the racetrack.

**THE COATINGS CONTROVERSY**

The first scientific dyno test of engine coatings.

**BLOCK BLUEPRINT**

Alex Walordy details the best ways to measure and machine for peak output.

**MAIL-ORDER MOTORS**

A thorough report on an alternative that is both cost effective and fast.

**Tech**

**THE PRECISION DECISION**

Make the right decisions when choosing your tools for precision engine building.

**BEARING THE LOAD**

Everything you ever wanted to know about rod ends and spherical bearings.

**READERS' TECH TIPS**

Check out tips on notching round tubing, removing small pipe plugs, and color coding your tools.

**CORNER SCIENCE**

Herb Adams discusses designing a front suspension.

**TRACK TECH**

Smokey ponders ports, air-cooled versus water-cooled engines, and the proper education of today's mechanic.

**Features**

**COMING ON STRONG!**

For Mark Martin and Jack Roush Racing, success has come quickly—but not without a few sacrifices.

**SNOWBALL '89**

A boyhood dream comes true for Rick Crawford.

**PAINT OF A DIFFERENT COLOR**

CIRCLE TRACK gives you a close-up view of a trio of new Winston Cup paint schemes.

**CIRCLE TRACK CLASSIC**

This month's Classic holds the record for running more Indy 500s than any other car.

**BROTHERS**

Jim and Dick Rathmann didn't merely live racing history, they made it.

**PRECISION EQUIPMENT & TOOLS USER'S GUIDE**

An array of the latest precision tools for high-tech performance.

**Departments**

**4 C.J.'s CORNER**

**6 LETTERS**

**8 STOCK REPORT**

**14 YESTERDAY & TODAY**

**16 BEHIND THE WHEEL**

**18 NEW PRODUCTS**

**22 RACIN' AROUND**

**138 TOW TECH**

**154 TRACK TRADE**

**162 HOT LAPS/RACE DATES**

**COVER PHOTOGRAPHY:** Neil Nissing beautifully captured this dramatic shot with the help of Air Flow Research Race Engines. Look for our cover story on page 30.



Long Rod vs. Short Rod Dyno Test:  
**PROOF vs. THEORY!**

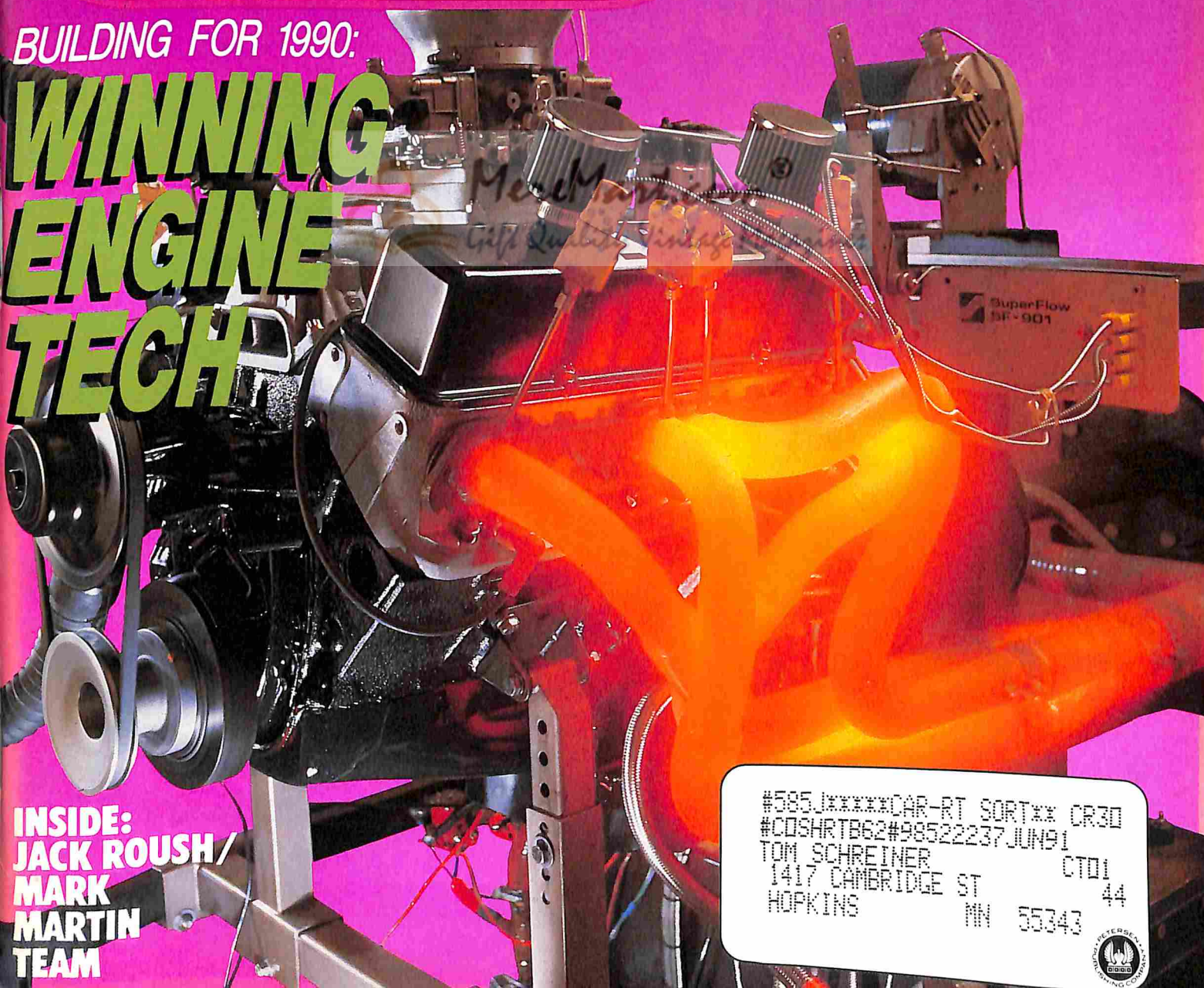
# CIRCLE TRACK

MAR. 1990 \$3.25 U.K. £2.45

**ENGINE COATINGS:  
THE INSIDE STORY**

**MAIL-ORDER ENGINE  
KITS: WINNING  
COMBINATIONS**

BUILDING FOR 1990:  
**WINNING  
ENGINE  
TECH**



**INSIDE:  
JACK ROUSH/  
MARK  
MARTIN  
TEAM**

#585J\*\*\*\*\*CAR-RT SORTxx CR3D  
#CDSHRTB62#98522237JUN91  
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1417 CAMBRIDGE ST 44  
HOPKINS MN 55343

