



Cover: Lens master Jon Keeling photographed the Samson Products custom with its new Perewitz wheels; David Dewhurst stopped a high-performance wheelie (inset) and Bill Cash captured Camel's Beast.

FEATURES

PERFORMANCE SPECIAL SECTION

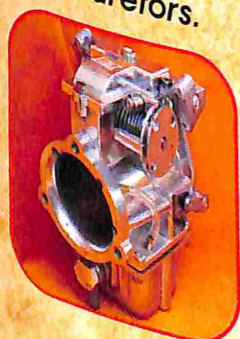
38 **PERFORMANCE**
Measuring Performance
Using dynos and emissions analysis.
Joshua Plaza

44 **PERFORMANCE**
Legal Power
Mikuni's street-legal carburetor.
Carl Heisler

46 **PERFORMANCE**
Fuel Injection Hop-Up
Testing exhaust pipes on an FI Harley.
Buzz Buzzelli

48 **PERFORMANCE**
XL-erated Power Surge
Extracting more power from Sportsters.
Buzz Buzzelli

50 **PERFORMANCE**
Mixers
A guide to today's hot carburetors.
Carl Caiati



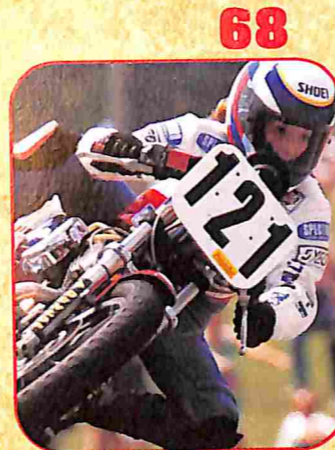
54 **CUSTOM SHOWCASE**
Big Gun
Samson's custom on Perewitz wheels.
Buzz Buzzelli

58 **FEATURE**
The Search for War Eagle
Off-road mayhem in West Virginia.
Clement Salvadori

64 **CUSTOM SHOWCASE**
The Beast
Creature from the Camel Roadhouse.
Jerry Smith

68 **RACING**
Girl Racer
When chicks race HOGs.
Nancy Delgado

72 **TECHNICAL**
Wide Tires
How to get the low-profile look.
Jerry Smith



DEPARTMENTS

8 **BUZZWORD**
Performance
Buzz Buzzelli

10 **IN THE BEGINNING**
What's the V-Angle?
Clement Salvadori

14 **WOMAN TO WOMAN**
Never Lonely
Joy Farmer

16 **BACK TALK**
Readers Write

20 **AMERICAN RIDING**
Compiled by Jerry Smith

American Mirage II
H-D Patents New Chassis
Fast Food
Rock Store Benefit a Stone Success
Ramblin' Down the Road
Sound Off/Sound Off II
Patience Pays
Got Any OD Leathers?
Top 10 List
As Time Goes By
Cashing In
Vintage Museum
Here's the Low Down
Harley's Haul
Absent-Minded
Bartels on Metz
Advanced Timing

36 **CLASSIC RIDER**
Chariots of Fire
Don Emde

80 **ROLL UP YOUR SLEEVES**
Stay Tuned
Buzz Buzzelli

84 **PRODUCT REVIEWS**
More Best Jackets

88 **IN THE BAG**
New Products

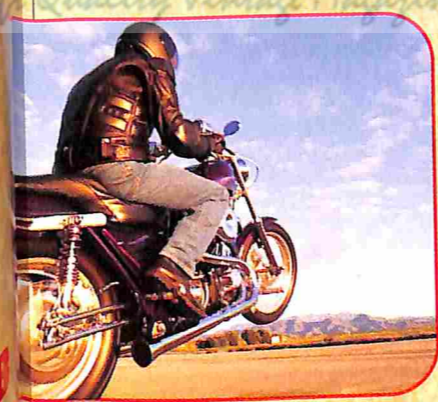
96 **CATALOGS**

99 **MODEL/ADVERTISERS INDEX**

100 **BIKERS' MARKET**

105 **SEEN AT THE SHOWS**

106 **READER SHOWCASE**



JUNE 1996 Volume 3, Number 3. *American Rider* is published bimonthly by TL Enterprises, Inc., 2575 Vista Del Mar Drive, Ventura, California 93001; (805) 667-4100. *American Rider* is a trademark of TL Enterprises, Inc. Copyright 1996 by TL Enterprises, Inc., in the United States. All rights reserved. Permission to reprint or quote excerpts granted only upon written request and then only when full credit is given source. Subscriptions: One year (6 issues) \$18; single copies \$4.50. Canada, Mexico and foreign \$24 per year, single copies \$4.50. All correspondence regarding editorial should be addressed to 2575 Vista Del Mar Drive, Ventura, California 93001. For subscriber service call (800) 926-0484. POSTMASTER: Send address changes to *American Rider*, P.O. Box 59636, Boulder, Colorado 80322. Second-class postage paid at Ventura, California 93001 and additional mailing offices. Printed in the United States.

**SPECIAL
SECTION**

**ULTIMATE
PERFORMANCE**

American RIDER®

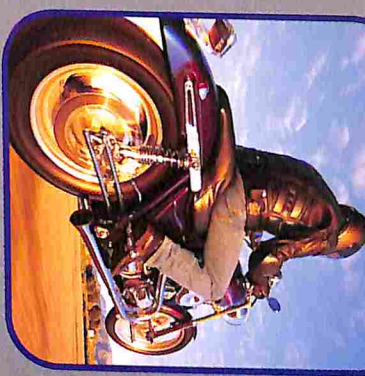
HARLEY-DAVIDSON® RIDING AT ITS BEST!

DYNO POWER

**FREE
VIDEO!**
OFFER LIMITED TO
SUBSCRIBERS

**ULTRAS
CAMEL
BEAST**

**HOW TO:
WIDE TIRES**



|||||
#BXNCKQDF-
#RTZ5197F090 48491020
N/A 97
STON RITZLAFF
5197 FARMERS RD
MANKIN MN 55763-8036

DH ARMT-1

SNRN 000474

MAY/JUNE 1996

\$3.95

05>



0 09281 01293 1

On Sale Thru June 17, 1996