State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-355-6
Relating to Exemptions Under Section 27156
of the Vehicle Code

S&S CYCLE, INC.
50-STATE LEGAL HOT SET UP KIT

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the 50-State Legal Hot Set Up Kit manufactured and marketed by S&S Cycle, Inc. of P.O. Box 215, 14025 County Hwy G, Viola, Wisconsin 54664 has been found not to reduce the effectiveness of required motor vehicle pollution control devices and, therefore, is exempt from the prohibitions of Section 27156 of the California Vehicle Code for 1970 to 2000 Harley-Davidson motorcycles originally equipped with a carbureted, Big Twin-Evolution engine as listed.

Model Year	Engine Family	Evaporative Family
1970-87	EV1340	EVAP-A
1988-91	EV1340	EVAP-B
1992/93	EV1340	EVAP-C
1994	RHD1.3P1GARA	RHD6066ANM01
1995	SHD1.3P1GOAA	SHD6066ANM01
1995	SHD1.3P8GARA	SHD1066AYM02
1996	THD1.3P1GOAA	THD6066ANM01
1996	THD1.3P8GARA	THD1066AYM02
1997	VHD1.3P1GAAA	VHD6066ANM01
1997	VHD1.3P8GARA	VHD1066AYM02
1998	WHDXC01.3CCA	WHDXC0066CCA
1998	WHDXC01.3AEA	WHDXC0066ACB
1999	XHDXC01.3CCA	XHDXC0066CCA
1999	XHDXC01.3AEA	XHDXC0066ACB
2000	YHDXC01.3CCA	YHDXC0066CCA
2000	YHDXC01.3AEA	YHDXC0066ACB

The following is a list of applicable 50-State Legal Hot Set Up Kits:

Part No.	Displacement	Model-Year
90-0096	96 cubic inch	1984-2000
32-2096	96 cubic inch	1984-2000
90-0901	93 cubic inch	1984-2000
90-0953	89 cubic inch	1984-2000
32-2089	89 cubic inch	1984-2000
90-0904	88 cubic inch	1984-2000
90-0080	80 cubic inch	1970-1984
90-0906	79 cubic inch	1970-1984

The 50-State Legal Hot Set Up Kit includes the following main components: New carburetor, air filter housing with carbon element, intake manifold, connecting rods, pistons, camshaft, and cylinder heads. Part nos. 32-2096 and 32-2089 do not include new cylinder heads as part of the kit. The stock Harley-Davidson crankcase is retained. Exhibit A lists the actual part numbers of supplied components.

This Executive Order shall not apply to any S&S Cycle, Inc. 50-State Legal Hot Set Up Kit advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order is valid provided that the installation instructions for the 50-State Legal Hot Set Up Kit will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the device, as exempted by the Air Resources Board (ARB), that adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of this device using any identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

This Executive Order does not constitute any opinion as to the effect that the use of this device may have on any warranty either expressed or implied by the vehicle manufacturer.

This exemption is issued based on emission test results provided by S&S Cycle, Inc. for its new vehicle certification of the 1564cc (96cid) replacement engine. Submitted emissions test data from S&S Cycle, Inc. showed that the 96cid replacement engine was below the applicable emission standards for all 2000 and older Harley-Davidson motorcycles equipped with the 1340cc carbureted engine. The 50-State Legal Hot Set Up Kit, part no. 90-0096 which is the worst case modification, is identical to the S&S Cycle, Inc.'s 1564cc (96cid) replacement engine, excluding the original Harley-Davidson crankcase which is retained. A similar emissions impact is expected when any of the above 50 State Legal Hot Set Up Kits are installed on the applicable vehicles.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF S&S CYCLE, INC.'S 50-STATE LEGAL HOT SET UP KIT.

No claims of any kind, such as "Approved by the Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 16th day of October 2000.

R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

50-State Legal 3-1/2″ & 3-5/8″ Bore Hot Set Up Parts List

Kit No.	90-0906	90-0080	90-0904	32-2089 90-0953	90-0901	32-2096 90-0096
Part Description	'79	'80	'88	'89	'93	'96
Parts Required For Hot Set-up Kits	**Part No.**	**Part No.**	**Part No.**	**Part No.**	**Part No.**	**Part No.**
Carb Kit w/flanges - Super E	11-0464	11-0464	11-0464	11-0464	11-0464	11-0464
Manifold, Super Stock E	16-1621 (#1)	16-1628 (#8)	16-1626 (#6)	16-1628 (#8)	16-1616 (#7)	16-1628 (#8)
Flywheel Set '36-Up BT	5SL 32-2050	---	---	6SL 32-2060	2SL 32-2020	2SL 32-2060
Connecting Rod Assembly – IBC - '84-Up BT	34-7013	---	---	34-7013	34-7013	34-7013
Sprocket Shaft Assembly, 70-Up BT	33-2004	---	---	33-2004	33-2004	33-2004
Pinion Shaft Assembly, Standard '81-'89 BT	33-2027	---	---	33-2027	33-2027	33-2027
Pinion Shaft Conversion Kit – Average Size '90-Up BT	33-4148	---	---	33-4148	33-4148	33-4148
Camshaft - '84-up BT	33-5073	33-5073	33-5073	33-5073	33-5073	33-5073
Head Kit – '84-'92 BT – Super Stock Hot Set Up Kit	90-1004	90-1004	90-1004	90-1004	90-1004	90-1004
Head Kit – '84-'92 BT – Hot Set Up Kit	NA	NA	NA	---	NA	---
Cylinder Kit – '84-Up BT	91-7030	---	91-7000	---	91-7100	91-7200
Piston Set – Super Stock Hot Set Up Kit	92-1100	92-2020	92-1060	92-2040	92-1060	92-1060
Piston Set – Hot Set Up Kit	NA	NA	NA	92-2420	NA	92-1930
Ring Set, Piston	92-1210	92-1210	92-1210	92-1210	92-1210	92-1210
Keeper, Pushrod Cover	---	---	93-4011	---	---	---
Pushrod Set, Adjustable Steel - '84-Up BT	93-5073	93-5076	93-5017	93-5076	93-5018	93-5076
Flange, Manifold - Front & Rear	16-0232	16-0232	16-0232	16-0232	16-0232	16-0232
(#90-1000M Flanges/O-rings)	16-0233	16-0233	16-0233	16-0233	16-0233	16-0233
O-rings, Manifold	16-0235	16-0235	16-0235	16-0235	16-0235	16-0235
Hardware, Cylinder Head	90-1000H	90-1000H	90-1000H	90-1000H	90-1000H	90-1000H
Gasket Kit – Cylinder Head & Base Gaskets	90-1000DB	90-1000DB	90-1000DB	90-1000DB	90-1000DB	90-1000DB
Owner's Manual	TBA	TBA	TBA	TBA	TBA	TBA
Instruction Packet	TBA	TBA	TBA	TBA	TBA	TBA

Note: Individual parts/assemblies displaying a --- marking are not included in the corresponding Sidewinder/Stroker or Super Stock/Sidewinder/Stroker Hot Set Up kits.