

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-355-5
Relating to Exemptions Under Section 27156
of the Vehicle Code

S & S CYCLE, INC.
S & S Replacement Engine

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 S & S Replacement Engine, manufactured and marketed by S & S Cycle, Inc., Route 2 Highway G, Viola, Wisconsin 54664 has been found not to reduce the effectiveness of the applicable motorcycle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for all 1970 to 1998 Harley-Davidson Motorcycles originally equipped with a carbureted, non-catalyst, Big Twin-Evolution engine as listed below:

<u>Part No.</u>	<u>Displacement</u>	<u>Model-Year</u>
31-9150	80 cubic inch	1984-98
31-9151	88 cubic inch	1984-98
31-9152	89 cubic inch	1984-98
31-9153	90 cubic inch	1984-98
31-9154	93 cubic inch	1984-98
31-9155	96 cubic inch	1984-98
31-9156	96 cubic inch	1984-98
31-9157	79 cubic inch	1970-84
31-9158	88 cubic inch	1970-84

The S & S Replacement Engine is a complete new engine which includes but not limited to the main components listed in Exhibit A of this Executive Order.

This Executive Order is valid provided that the installation instructions for the S & S Replacement Engine will not recommend tuning the motorcycle to specifications different from those of S & S Cycle, Inc.

Changes made to the design or operating conditions of the S & S Replacement Engine, as exempt by the Air Resources Board, which adversely affect the performance of the motorcycle's pollution control system shall invalidate this Executive Order.

Marketing of the S & S Replacement Engine using any identification other than that shown in this Executive Order or marketing of the S & S Replacement Engine for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the S & S Replacement Engine shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect the use of the S & S Engine Package may have on any warranty either expressed or implied by the motorcycle manufacturer.

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 S & S REPLACEMENT ENGINE.

No claim 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 a 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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 24th day of February 1998.



R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

S&S Replacement Engine Bill of Materials

[illegible]

Part Description	80"	88"	89"	90"	93"	96"
Parts Required For Complete Engines	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
Engine Part Number	31-9150	31-9151	31-9152	31-9153	31-9154	31-9155
Super E Carb Kit w/flanges	11-0442	11-0442	11-0442	11-0442	11-0442	11-0442
Manifold, Super E	16-1628 (#8)	16-1626 (#6)	16-1628 (#8)	1616-27 (#7)	1616-27 (#7)	16-1628 (#8)
Crankcase Assembly	31-0005	31-0011	31-0005	31-0011	31-0011	31-0011
Gearcover Kit, crankcase	31-0211	31-0211	31-0211	31-0211	31-0211	31-0211
Oil Pump Kit 1992-Up Model Year BT	31-6261	31-6261	31-6261	31-6261	31-6261	31-6261
Flywheel Set, special order - strokes thru 5" '36-Up BT	5SL 32-2050	5SL 32-2050	6SL 32-2060	1SL 32-2010	2SL 32-2020	6SL 32-2060
Connecting Rod Assembly - IBC - '84-Up BT	34-7013	34-7013	34-7013	34-7013	34-7013	34-7013
Sprocket Shaft Assembly, 70-Up BT	33-2004	33-2004	33-2004	33-2004	33-2004	33-2004
Pinion Shaft Assembly, standard '81-'89 BT	33-2027	33-2027	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	33-4148	33-4148
Breather Gear Shim - .110" steel - '36-Up BT	33-4201	33-4201	33-4201	33-4201	33-4201	33-4201
Cam Lock Washer '58-Up BT	33-5201	33-5201	33-5201	33-5201	33-5201	33-5201
Cam Thrust Washer .070" - '36-Up BT	33-5205	33-5205	33-5205	33-5205	33-5205	33-5205
Oil Pump Drive Shaft Gear - 24T - '36-Up BT	33-4230	33-4230	33-4230	33-4230	33-4230	33-4230
Right Main Bearing Assembly (White/Gray)	31-4005	31-4005	31-4005	31-4005	31-4005	31-4005
Breather Gear, '77-Up BT	33-4236	33-4236	33-4236	33-4236	33-4236	33-4236
Camshaft - '84-up BT	33-5073	33-5073	33-5073	33-5073	33-5073	33-5073
Tappet Guide Set	33-5301	33-5301	33-5301	33-5301	33-5301	33-5301
Tappet Assembly (includes HL2T kit)	33-5341	33-5341	33-5341	33-5341	33-5341	33-5341
Head Kit 3-5/8" - .560" lift LC - '84-'92 BT	90-1001	90-1001	90-1001	90-1001	90-1001	90-1001
Cylinder Kit 3-5/8" Bore - '84-Up BT	91-7210	91-7002X	91-7210	91-7503	91-7102X	91-7202X
Ring Set, piston	94-1210	94-1210	94-1210	94-1210	94-1210	94-1210
Head Bolt - short - '84-Up V2	93-3027	93-3011	93-3027	93-3011	93-3028	93-3027
Head Bolt - long - '84-Up V2	93-3030	-	93-3030	-	93-3030	93-3030
Keeper, pushrod cover	93-4014	93-4011	93-4014	93-4011	93-4014	93-4014
Pushrod Set, adjustable steel - '84-Up BT	93-5076	93-5017	93-5076	93-5018	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
Rocker Box Kit	90-4050	90-4050	90-4050	90-4050	90-4050	90-4050
Owners Manual						
Instruction Packet						