

Morton Racing
 1216 Highway 51 North
 P.O. Box 194
 Coweta, OK 74429
 PH(918)486-2359

Date (M/D/Y): 03\25\04 Time (H:M:S): 01:52:16 Operator: Stanley
 Engine description: James Hayward
 Test description: 70 Boss

80

Standard Corrected Data for 29.92 inches Hg, 60 F dry air Test# 5

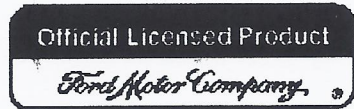
Test: 600 RPM/Sec Acceleration Fuel Spec. Grav.: .719 Air Sensor: 6.5
 Vapor Pressure: .94 Barometric Pres.: 29.30 Ratio: 1.00 TO 1
 Engine Type: 4-Cycle Spark Engine displacement: 429.0 Strokes: 3.590

Speed	CBTrq	CBPwr	FHp	VE%	ME%	FA+FB	AI	A/F	BSFC	CAT	Oil	Wat	BSAC
rpm	lb-Ft	Hp	Hp			lb/hr	scfm		lb/Hphr				lb/Hphr
3500	423.7	282.4	50.3	.0	83.9	167.3	.0	.0	.64	69	0	177	.00
3600	423.3	290.2	52.9	.0	83.6	169.1	.0	.0	.63	69	0	177	.00
3700	417.7	294.3	55.6	.0	83.1	169.9	.0	.0	.62	69	0	177	.00
3800	413.1	298.9	58.3	.0	82.6	170.6	.0	.0	.61	69	0	177	.00
3900	411.6	305.6	61.0	.0	82.3	171.1	.0	.0	.60	69	0	177	.00
4000	411.2	313.2	63.9	.0	82.0	171.6	.0	.0	.59	69	0	177	.00
4100	408.2	318.7	66.8	.0	81.6	174.6	.0	.0	.59	69	0	177	.00
4200	404.1	323.2	69.7	.0	81.1	180.0	.0	.0	.60	70	0	177	.00
4300	401.6	328.8	72.7	.0	80.7	178.8	.0	.0	.59	70	0	177	.00
4400	404.8	339.1	75.7	.0	80.6	180.0	.0	.0	.57	70	0	177	.00
4500	405.4	347.4	78.7	.0	80.3	180.4	.0	.0	.56	70	0	177	.00
4600	403.0	353.0	81.8	.0	80.0	180.8	.0	.0	.55	70	0	177	.00
4700	399.4	357.4	84.9	.0	79.6	185.7	.0	.0	.56	70	0	176	.00
4800	402.1	367.5	88.1	.0	79.4	188.2	.0	.0	.55	70	0	176	.00
4900	401.7	374.8	91.4	.0	79.1	186.5	.0	.0	.54	70	0	176	.00
5000	398.7	379.6	94.7	.0	78.7	188.9	.0	.0	.54	70	0	176	.00
5100	393.1	381.7	98.2	.0	78.2	192.2	.0	.0	.55	70	0	176	.00
5200	389.5	385.6	101.6	.0	77.8	191.7	.0	.0	.54	70	0	176	.00
5300	384.5	388.0	105.1	.0	77.3	194.5	.0	.0	.54	69	0	176	.00
5400	377.2	387.8	108.7	.0	76.7	192.9	.0	.0	.54	69	0	176	.00
5500	376.4	394.2	112.3	.0	76.4	198.6	.0	.0	.55	69	0	176	.00
5600	367.1	391.4	116.0	.0	75.7	202.7	.0	.0	.56	69	0	176	.00
5700	352.6	382.7	119.7	.0	74.6	201.3	.0	.0	.57	69	0	176	.00
5800	345.9	382.0	123.5	.0	74.0	207.3	.0	.0	.59	69	0	176	.00
5900	341.9	384.1	127.8	.0	73.4	203.8	.0	.0	.58	69	0	176	.00
6000	335.4	383.2	132.6	.0	72.6	211.9	.0	.0	.60	69	0	176	.00

735 Carb.



DELUXE REPORT



5012

Proud to display this symbol

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12007 W. PEORIA
EL MIRAGE, AZ 85335
(623) 935-2558
(623) 935-2579 FAX

Thank you for your interest in our services. We have determined the following information for your car from the Ford Database we have:

VEHICLE ORDER IMAGE

12345678901234567890123456789012345678901234567890123456789012345678901234567890
0F02Z119805 J TW 3 17K013A 2500 LK 6C BTM 0 1A 2 U2 4B 11K539 K 2

DOOR DATA PLATE INFORMATION
Serial Number 0F02Z119805
0 1970
F Built at Dearborn
02 Mustang Sportsroof
Z 429-4V Boss
19,805th Ford vehicle scheduled for production at Dearborn
10/69 Built: October, 1969
63B Mustang Sportsroof
J Grabber Blue Paint, Ford #3657-A
TW White Clarion Knit/Corinthian Vinyl Bucket Seats
V 3.91 Traction-Lok axle ratio
6 Four-Speed Close Ratio Manual Transmission
112500 Boston Ordering District Under Special Order #2500

MANUFACTURED BY FORD MOTOR COMPANY 119805
10/69

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON DATE OF MANUFACTURE SHOWN ABOVE

VEH IDENT NO	BODY	COL	
0F02Z119805	63B	J	
TRIM	AXLE	TRNS	DSO
TW	V	6	872500

NOT FOR TITLE OR REGISTRATION

MADE IN U.S.A.

ORDER TYPE BASIC
DSO ITEM #: 013A
DEALER#: 11B067
JACK MADDEN FORD SALES IN
825 PROVIDENCE
NORWOOD MA 02062

IMPORTANT DATES:

ORDER RECEIVED:	—
CAR SERIALIZED:	10/03/69
BUCKED:	10/08/69
SCHEDULED FOR BUILD:	10/17/69
ACTUALLY BUILT:	10/13/69
RELEASED:	10/21/69
SOLD:	10/19/70

- Your vehicle was ordered with the following options:
- Four-Speed Close Ratio Manual Transmission
 - Drag Pack
 - Convenience Group
 - Electric Clock
 - F60X15 Belted Tires w/ Raised White Letters
 - Collapsible Spare Tire
 - Rim Blow-Deluxe Steering Wheel
 - Console
 - Power Front Disc Brakes
 - Power Steering
 - AM Radio
 - Decor Group
 - Deluxe Belts/Warning Light
 - Competition Suspension
 - Tachometer

STATISTICS

Your car was one of:

- 4,363 With this Paint Code
- 285 With these Paint/Trim Codes
- 500 With these Engine/Transmission Codes
- 1,869 Ordered from this DSO
- 6,030 With Tachometer

For the 1970 Mustang Sportsroof.

This Boss 429 Mustang was assigned KK # 2210.

Your car was actually produced on October 13, 1969 -- four days ahead of schedule.

Kevin Marti
Kevin Marti

FORD

VISION OF FORD MOTOR COMPANY

11K 539

0F02Z

119805

SUGGESTED RETAIL PRICE

AMOUNT

2 DOOR SPORTSROOF 8 CYLINDER INCLUDES AT NO EXTRA COST VINYL HI-BACK BUCKET SEATS COLOR-KEYED CARPETING FLOOR-MOUNTED SHIFT LEVER INSTRUMENT GAGES FIBERGLASS BELTED TIRES	2872 00	
GRABBER BLUE /J/ BOSS 429 CID 4V 8 CYL ENGINE FOUR-SPEED MANUAL TRANSMISSION DRAG PACK CONVENIENCE CHECK GROUP ELECTRIC CLOCK-ROUND /4/ F60X15 WIDE OVAL BELTED BSW TIRES/RAISED WHITE LETTERS SPACE SAVER SPARE RIM BLOW-DELUXE STRG WHEEL CONSOLE POWER STEERING POWER FRONT DISC BRAKES AM RADIO DECOR GROUP DELUXE BELTS/WARNING LIGHT COMPETITION SUSPENSION TACHOMETER AND TRIP ODOMETER DCC 11 2500	1208 00 259 00 155 00 32 00 16 00 STD STD 39 00 54 00 95 00 65 00 61 00 78 00 15 00 31 00 54 00	
TOTAL OPTIONS	2162 00	

PRIVATEWAY GARAGE
 PLANT SECURITY SEC.
 ORN. ASSEMBLY PLANT
 OCT 11 2 07 PM '69

D & D: SCHEDULE A (MEMO) =

SCHEDULE B = 20 45
5054 45

TOTAL FOR VEHICLE

4 GALS GAS
FDAF

CHECKERS INITIALS
 ALL ARTICLES INCLUDED IN THIS INVOICE ARE
 ACCEPTED FOR TRANSPORTATION BY THE CAR.
 TERMS OF THE BILL OF LADING. CUSTOMERS
 USED BY THE PARTIES FOR SIMILAR SHIPMENTS.

2

Handwritten signature
 E+T

* = SUB TOTAL	BASE HOLDBACK	BASE MODEL LESS A	TOTAL A & B
TOTAL HOLDBACK	OPTION HOLDBACK	OPTIONS LESS A	TOTAL MISC.

TOTAL FOR VEHICLE AND DEALER CHARGES

MEMO.

1 (OR WE) HAVE INSPECTED, CHECKED AND RECEIVED THE UNIT (OR UNITS)
 COVERED BY THIS INVOICE AND FIND SAME TO BE OK WITH RESPECT TO GAS,
 OIL, WATER, TOOLS, COMPLETE EQUIPMENT, ACCESSORIES, ADDITIONAL
 EQUIPMENT, ETC., AS LISTED ABOVE.

DEALER'S (OR CONVOY COMPANY) NAME
 BY

DATE SHIPPED

SOLD TO
 BENNINGTON FORD
 748 MAIN STREET
 BENNINGTON

11K539 3

T.O. L.C. FORM 76

DATE INV. PREPARED 10 07 69

ITEM NUMBER 11K013A

TRIM TW

TRAN TIME 03

SHIP TO (IF OTHER THAN ABOVE)

SHELBY C/O KAR KRAFT
 800 WHITNEY RD
 BRIGHTON MI

SHIP THROUGH

INVOICE & UNIT IDENTIFICATION NO.

PLANT

FINANCE COMPANY AND/OR BANK

FINANCE - AAD419MST (7-69) (PRINTED IN U.S.A.)



	SUGGESTED RETAIL PRICE		AMOUNT	
2 DOOR SPORTSROOF 8 CYLINDER	2872	00	2338	96
INCLUDES AT NO EXTRA COST				
VINYL HI-BACK BUCKET SEATS	NC		NC	
COLOR-KEYED CARPETING	NC		NC	
FLOOR-MOUNTED SHIFT LEVER	NC		NC	
INSTRUMENT GAGES	NC		NC	
FIBERGLASS BELTED TIRES	NC		NC	
GRASSER BLUE /J/				
BOSS 429 CID 4V 8 CYL ENGINE	1208	00	955	64
FOUR-SPEED MANUAL TRANSMISSION	259	00	204	92
DRAG PACK	155	00	122	64
CONVENIENCE CHECK GROUP	32	00	25	31
ELECTRIC CLOCK-ROUND	16	00	12	70
14/ F60X15 WIDE OVAL BELTED	STD		STD	
BSW TIRES/RAISED WHITE LETTERS				
SPACE SAVER SPARE	STD		STD	
RIM BLOW-DELUXE STRG WHEEL	39	00	30	84
CONSOLE	54	00	42	73
POWER STEERING	95	00	75	20
POWER FRONT DISC BRAKES	65	00	51	43
AM RADIO	61	00	48	26
DECOR GROUP	78	00	61	68
DELUXE BELTS/WARNING LIGHT	15	00	11	88
COMPETITION SUSPENSION	31	00	24	49
TACHOMETER AND TRIP ODOMETER	54	00	42	73
DSO 11 2500				
TOTAL OPTIONS	2162	00	1710	45 *

D & D: SCHEDULE A (MEMO)=	263.20	SCHEDULE B=	70 45	70 45
TOTAL FOR VEHICLE			5104 45	4119 86
4 GALS GAS				1 33
FDAF				13 00

M. S. O. MAILED

JAN 27 1970 #25.

2

CHECKER'S INITIALS
 ALL ARTICLES INCLUDED IN THIS INVOICE ARE ACCREDITED FOR TRANSPORTATION BY THE CAR...
 THE BIRTH OF THE BIRTHDAY...
 USED BY THE PARTIES FOR SIMILAR SHIPMENTS.

*= SUB TOTAL	53 96	2184 96	333 65	
TOTAL HOLDBACK	95 01	OPTION HOLDBACK	41 05	OPTIONS LESS A
			1601 25	TOTAL MISC.
				00
TOTAL FOR VEHICLE AND DEALER CHARGES				4134 19

I (OR WE) HAVE INSPECTED, CHECKED, AND RECEIVED THE UNIT (OR UNITS) COVERED BY THIS INVOICE AND FIND SAME TO BE OK WITH RESPECT TO GAS, OIL, WATER, TOOLS, COMPLETE EQUIPMENT, ACCESSORIES, ADDITIONAL EQUIPMENT, ETC., AS LISTED ABOVE.

SOLD TO BENNINGTON FORD 748 MAIN STREET BENNINGTON VT 05201
 DEALER'S (OR CONVOY COMPANY) NAME BY 11K539 3
 DATE SHIPPED OCT 21 1969 RC46
 DATE INV. PREPARED 10 07 69 ITEM NUMBER 11K013A TRIM IW 08

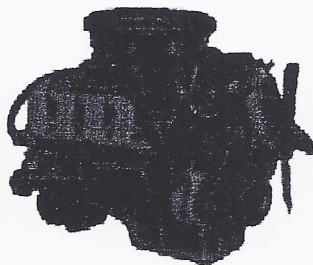
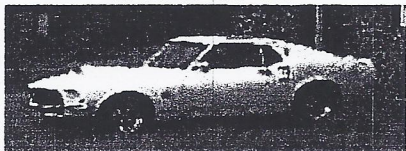
SHIP TO (IF OTHER THAN ABOVE) SHIP THROUGH
 INVOICE & UNIT IDENTIFICATION NO. PLANT FINANCE COMPANY AND/OR BANK

FINANCE - AAD419MST (7-69) (PRINTED IN U.S.A.)



Boss 429 - 1969 to 1970

1969 Boss 429



1970 Boss 429



The Boss 429 Mustang debuted in January of 1969. It was built primarily to allow Ford to campaign the special engine in the NASCAR circuit. NASCAR's rules stated that for any "trick" part or engine to be considered legal, it had to be installed on at least 500 cars that were sold to the public. The Mustang SportsRoof model was chosen to house this brutal engine.

The Boss 429 engine was rated at over 370 horsepower. It featured aluminum heads, with huge, free-flowing intake and exhaust ports, a crescent shaped combustion chamber, and large over-sized valves which were set at an angle so that the intake valve was close to the intake manifold and the exhaust valve was close to the exhaust manifold. The standard 735 CFM Holley carburetor was mounted on a high rise intake manifold.

To allow for the extended width of this new engine, the factory shock towers had to be moved out one inch on each side. A "mini-assembly plant" in Brighton, Michigan called Kar Kraft, performed this and other modifications for the Boss 429's. The partially assembled Mustang SportsRoofs were shipped from Ford to Kar Kraft for modification and final assembly. Kar Kraft lowered the front A-Arms one inch, moved the shock towers out one inch, and installed the Boss 429 engines along with a high-capacity oil cooler.

The exterior of the Boss 429 featured a massive, manually operated, ram air hood scoop (the largest ever installed on a Mustang). The scoop was painted the same color as the body in '69 and black on the '70 models. A front spoiler, flared front fenders, chrome 15x7 Magnum 500's with F60x15 wide oval tires, dual color-keyed racing mirrors and Boss 429 decals on the front fenders were all standard equipment on the Boss 429's.

The interior of the Boss 429 was outfitted with the interior decor group, high back "Comfortweave" buckets, the "Visibility Group" (parking brake warning light, glove box lock, lights in the ash tray, trunk, and glove box, and an illuminated ignition switch), deluxe seat belts, console, tachometer, and a Ford 4 speed shifter. In 1970 Ford also included the "Convenience Group" as standard equipment on the Boss 429. The "Convenience Group" added a parking brake warning light, headlights-on warning buzzer, and an automatic seat back release.

Other standard features on the Boss 429 were a competition suspension, rear stabilizer bar, high capacity engine oil cooler, 65 amp alternator, 85 amp battery (mounted in the trunk), lowered front A-Arms, power front disc brakes, power steering and a 3.91:1 Traction-Lok rear end.

PASSENGER



MAT. CNT. AAD-8502-P
FEB. 1970

PRINTED IN U.S.A.

ROTATION NUMBER 0452				SERIAL NUMBER 0F02Z119805													CARLINE Z63BJ		WARRANTY PLATE IW		PAINT A		TRIM 211250017K		SPECIAL ORDER DSO 89 2500		SCHEDULE DATE 1970 429		BATTERY CODE AF3		LEASING CO.								
ENGINE				TRANSMISSION				REAR AXLE				BRAKES		BELTS		SEATS				CONV. TOPS		MOULDINGS		PAINT STRIPE															
TAG NUMBER				TAG NUMBER				TAG NUMBER				MASTER CYLINDER LININGS		COLOR TYPE		HEADRESTS		BUCKET SEAT BELT		RECLINING		RELEASE		H.D.		COLOR TYPE		WINDOW OPT.		VINYL ROOF		ROCKER WINDOW		BODY SIDE		TAPE STRIPE		PANELS OPT. TUBING	
ALTERNATOR CODE				SPEEDGEAR				DRIVE SHAFT				ELECTRICAL				GROUPS				ANTIFREEZE																			
C 03				(COLOR)				(COLORS)				FUEL SENDER				AUDIO				LIGHTS				COURT		DECOR													
C 03				WHT ORG				LBR DWTW				PA				C 32				BRAKE INDICATOR				VISIB.		PROTECT.		CONVEN.		INT.		EXT.							
SHOCKS				REAR SPRING				FRONT SPRING				FRONT SPRING				SUSPENSION PACKAGES				HOOD OPTION																			
FRONT				(COLORS)				STABILIZER BAR-REAR				STABILIZER BAR (FRONT)				RIGHT UNIQUE ONLY				TRAILER TOW		LEVELER		HANDLING		HEAVY DUTY													
D WHITE				2YL2BN				GLDPNK												D		V		D															
SHOCKS				WHEELS				TIRES				FRONT AXLE (COMPONENTS)				FRAME				MET. SPEEDO																			
REAR				SIZE				SIZE				SPINDLE				(CODE)				F 40		F 41		POLICE/TAXI PACKAGE															
(COLORS)				F 60				X 15 4 2 P				T				XXX				E 31		E 37		E 40		E 41													
MUFFLER				STEERING WHEEL/COLUMN				STEERING LINKAGE				FRONT AXLE (COMPONENTS)				FRAME				MET. SPEEDO																			
RIGHT SUFFIX				LEFT SUFFIX				TILT COLUMN				TIE ROD				H.D. FRAME				SINGLE KEYLOCK				TACHOMETER		EXPORT GROUPS													
3 BK				4 F Y Y Y G Y				C C B A C				R L U P L O				H.D. FRAME				F 35				F 36		F 38		F 40		F 41									
RADIATOR				FAN				PULLEY				AIR CLEANER				DRIVE BELTS				MET. SPEEDO																			
PREFIX				SUFF.				PRE.				SUFF.				ALTERNATOR				POWER STRG.				AIR COND.				EMISSION											
8 Z 5 L																																							

REMARKS: (THE FOLLOWING INFORMATION SUPERSEDES EQUIPMENT REQUESTED ABOVE)

DSO 89 2500 1970 429 BOSS MUSTANG CONVERSION
 REFER TO PROC ENG PKG OD OB MUFFLER
 WHEELS CODE L
 4 F60x15 TIRES NO COLLAPSIBLE SPARE
 STABILIZER BAR REAR CODE D, FRONT CODE GY
 BLACK DELUXE SEATBELTS

1970 BOSS 429 MUSTANG

The Boss 429 Mustang Sportsroof continued as a very limited production performance car in 1970. Other than the regular 1970 sheetmetal and interior changes, the Boss 429 equipment remained the same as 1969, with the addition of the *Convenience Group* as standard equipment. As a minor update, the '70 hood scoop was painted black.

EXTERIOR:

- Hood scoop – The 1970 Boss 429 hood scoop is identical to 1969, except painted black. It continues to be manually operated by an interior-mounted knob.
- Front spoiler – shallower than the Boss 302 spoiler.
- Boss 429 decals on front fenders.
- Chrome 15 inch Magnum 500 wheels – with small, Boss 302 type centercaps.
- F60x15 raised white letter tires.
- Dual color-keyed racing mirrors.

INTERIOR:

- Décor Group – Knitted vinyl “Comfortweave” seats, simulated wood-grain instrument panel appliqués.
- Round electric clock.
- Console – with wood-grain appliqué.
- Convenience Group – trunk light, glove compartment light, headlights on buzzer, automatic seat back release, and parking brake-on warning light.
- Deluxe seat belts – with seat belt warning light.
- AM radio.
- Deluxe 3-spoke Rim-Blow steering wheel.
- 8000 rpm tachometer and trip odometer.
- Hurst 4-speed shifter.
- Special under-instrument panel bracket with choke and hood scoop knobs.

PERFORMANCE FEATURES:

- Boss 429 engine – with special “semi-hemi” aluminum heads, aluminum valve covers.
- Ford 4-speed transmission – close ratio 2.32:1
- Drag-Pack axle – 3.91:1 Traction Lock limited slip 31-spline 9-inch rear end.
- Power steering.
- Power front disc brakes.
- Special suspension – extra-heavy-duty front and rear springs, rear stabilizer bar, staggered rear shocks.
- Engine oil cooler – mounted on the driver’s side radiator support, displacing one of the horns; which moves next to the other horn on the passenger side.
- 65 amp alternator.
- 85 amp trunk-mounted battery (mounted on the right side of the luggage compartment, displacing the spare tire). The spare moves to the left side.
- Space saver spare tire.

Other Options Installed

Possibly Dealer Installations

- Rubberized undercoating of car
- Mechanical Oil pressure and oil temperature gages installed in dash pad at normal center Air Conditioning vent location. Vintage Stewart Warner gages with clean and professional installation.

Above items are being researched with original dealer, Jack Madden Ford Sales in Norwood MA, but so far no confirmation has yet been achieved. But according to Steve Strange's Boss 429 Directory Newsletter 12th Progress Report in February 1983. Some of the Boss 429 Dealer added options were:

Fold-down rear seat

AM-FM stereo radio

Hurst shifter (1969)

Oil & Amp gauges in dash

Shelby console kit

Dual four-barrel manifold

NASCAR water-neck-head kit

Rear spoiler kit

Sport-slat louver kit

Shelby roll bar

4.30:1 rear gears

Headers

Autolite "tall" distributor

Trailer-hitch kit

So the gages installed in the dash are period specific if not confirmed yet. And we all know that undercoating is a staple of dealers nation wide. So an assumption can be made concerning these options – but only an assumption until confirmation or documentation can be procured.

