

NHRA Technical Specifications

For

1972 Ford Motors

BORE	STROKE	DISPLACEMENT	CYLINDERS	ROD LENGTH
3.188	3.063	97	4	5.194
3.578	3.030	122	4	5.000
3.554	2.630	156	6	5.140
3.500	2.940	170	6	4.715
3.684	3.126	200	6	4.715
4.000	3.180	240	6	6.795
3.682	3.910	250	6	5.880
4.002	3.000	302	8	5.090
4.002	3.500	351	8	5.959 Windsor
4.002	3.500	351	8	5.780 Cleveland
4.000	4.000	400	8	6.580
4.362	3.590	429	8	6.605
4.362	3.850	460	8	6.605

5/3/2008

Issued: 5 May 1972
Revised: 9-25-79, 5-4-98, 8-1-99, 12-2-02, 1-1-09 WR, 1/1/16 PC

HP	Disp	C.R.	Ind.	Make	Model/Transmission	Manifold	R.R.	Lifter	Head	cc	Notes
54	97	8.84	1-1	Auto	72IF-KFA/SM ONLY	70IF-BA	1.54	M	6.6	A,9	
82	170	9.09	1-1	Cart	D2DF-AA/SM D2PF-EA/AUTO	NA	1.50	H	49.6	B,10	
86	122	9.76	1-2	Holl	D22F-BA,DA,BB,DB,BC/SM	71HF-HB	1.60	M	48.2	1,11,C	
91	200	9.38	1-1	Cart	D2DF-BA,CA/SM	NA	1.50	H	51.5	2,12,D	
95	250	9.75	1-1	Cart	D2OF-LA/SM MA,SA/AUTO	NA	1.50	H	51.5	D,13	
99	250	9.75	1-1	Cart	D2OF-LA/SM MA,SA/AUTO	NA	1.50	H	51.5	D,13	
103	240	9.00	1-1	Cart	D2AF-JA/AUTO ONLY	C5AF-J	1.61	H	64.8	E,12	
107	156	9.80	1-2	Holl	72TF-BEA/SM BFA/AUTO	71TF-AA	1.46	M	37.5	F,11	
140	302	9.46	1-2	Auto	D2OF-KA,NA/SM D2AF-HA/AUTO	D1TE/D1OE-AA	1.61	H	56.7	3,14,G	
141	302	9.46	1-2	Auto	D2OF-KA,NA/SM D2AF-HA/AUTO	D1TE/D1OE-AA	1.61	H	56.7	3,14,G	
143	302	9.46	1-2	Auto	D2OF-KA,NA/SM D2AF-HA/AUTO	D1TE/D1OE-AA	1.61	H	56.7	3,14,G	
153	351	9.63	1-2	Auto	D22F-EA/SM D22F-GA/AUTO	D1AE-CA	1.60	H	W 58.3	H,15	
161	351	9.45	1-2	Auto	D22F-LA/SM D22F-UA,RA/AUTO	D1AE-DA	1.73	H	C 72.9	I,15	
163	351	9.45	1-2	Auto	D22F-LA/SM D22F-UA,RA/AUTO	D1AE-DA	1.73	H	C 72.9	I,15	
164	351	9.45	1-2	Auto	D22F-LA/SM D22F-UA,RA/AUTO	D1AE-DA	1.73	H	C 72.9	I,15	
168	400	9.19	1-2	Auto	D2MF-CA,DA,DB/SM	D2SE-AA	1.73	H	75.6	4,15,J	
172	400	9.19	1-2	Auto	D2MF-CA,DA,DB/SM	D2SE-AA	1.73	H	75.6	4,15,J	
177	351	9.45	1-2	Auto	D22F-LA/SM UA,RA/AUTO	D1AE-DA	1.73	H	C 72.9	I,15	
200	460	9.30	1-4	Auto	D2AF-AB,D2SF-AB,D2PF-SA,BB	DOVE-B	1.73	H	86.5	5,16,K	
205	429	9.40	1-4	Auto	D2AF-AA,BA,KA,AB/AUTO ONLY	DOVE-B	1.73	H	86.5	6,16,K	
208	429	9.40	1-4	Auto	D2AF-AA,BA,KA,AB/AUTO ONLY	DOVE-B	1.73	H	86.5	6,16,K	
212	429	9.40	1-4	Auto	D2AF-AA,BA,KA,AB/AUTO ONLY	DOVE-B	1.73	H	86.5	6,16,K	
212	460	9.30	1-4	Auto	D2AF-AB,D2SF-AB,D2PF-SA,BB	DOVE-B	1.73	H	86.5	5,16,K	
248	351	9.40	1-4	Auto	D2ZF-AA,CA,D2PF-TA/SM	D1ZE-BB,Note 8	1.73	H	C 72.6	7,16,17,L	
266	351	9.40	1-4	Auto	D2ZF-AA,CA,D2PF-TA/SM	D1ZE-BB,Note 8	1.73	H	C 72.6	7,16,17,L	
275	351	10.30	1-4	Au/Ho	D0ZZ-Z,D2ZF-GA/ALL	D1ZX-AA,Note 8	1.73	M	C 65.9	17,M	

1-Alt carbs D2ZF-AA,CA,EA,GA,AB,CB,AC,EB/AUTO

2-Alt carbs D2DF-DA,EA/AUTO D2PF-EA,FA/ALL

3-Alt carbs D2ZF-JA,FA/AUTO

4-Alt carbs D2MF-EA,EB,FA,FB,FC,FE,D2PF-HA/AUTO

5-Carbs listed for auto only

6-Alt carbs D2SF-AA,BA,AB,D2PF-SA/AUTO ONLY

7-Alt carbs D2ZF-BA,DA,BB/AUTO Holley D0OF-N/SM D0OF-R/AUTO

8-Alt alum manifolds D1ZX-CA,D1ZX-AA,D1ZX-DA

Cylinder Head Castings

A=711M-CA B=D0DE-A C=70HN-NA D=C9DE-M,D3DE-AA E=D2AE-AA F=70TM-KA

G=D0OE-B,D20E-BA H=D0OE-C I=D1AE-CB J=D1AE-A1C,A2C K=D2VE-AA,A2A

L=D1ZE-DA,D3ZE-AA M=D2ZX-AA,D3ZE-AA,D1ZE-AA

Carb Sizes

9 - 1343/0980
 10 - 1437/1186 Carter Carb #'s - 6232,6247,6305,6306,6603
 11 - 1260x1420/1023x1064
 12 - 1686/1313 Carter Carb #'s - 6233,6234,6235,6236
 13 - 1563/1375 Carter Carb #'s - 6254,6255, 6257,6304,7145,7147
 14 - 1563/1080
 15 - 1686/1210
 16 - 1563x1960/1250xAV
 17 - Ford Carb Size 1563x1960/1250xAV Holley Carb Size 1686x1686/1375x1437

HP	Disp	Deck Cl	Piston Type	Height	Vol	Valves	Cam Lift	Gasket	Springs
54	97	.008	Dish	.485	38.4 cc	1507/1244	325/336	.032	Outer Only
82	170	.014	Flat			1660/1400	370/370	.020	Outer Only
86	122	.007	Flat			1661/1425	400/400	.040	Outer Only
91	200	.011	Dish	.103	6.1 cc	1660/1400	370/370	.020	Outer Only
95	250	.088	Dish	.103	6.1 cc	1660/1400	370/370	.020	Outer Only
95	250	.088	Dish	.103	6.1 cc	1660/1400	385/368	ALT .020	Outer Only
99	250	.088	Dish	.103	6.1 cc	1660/1400	370/370	.020	Outer Only
99	250	.088	Dish	.103	6.1 cc	1660/1400	385/368	ALT .020	Outer Only
103	240	.012	Dish		5.2 cc	1780/1560	401/401	.037	Outer Only
107	156	.028	Flat			1570/1270	373/373	.035	Outer Only
140	302	.002	Dish	.063	8.3 cc	1791/1460	368/380	.036	Outer Only
141	302	.002	Dish	.063	8.3 cc	1791/1460	368/380	.036	Outer Only
143	302	.002	Dish	.063	8.3 cc	1791/1460	368/380	.036	Outer Only
153	351	.015	Dish	.093	14.1 cc	1852/1548	425/450	.036	Outer w Damper
161	351	.010	Flat w/In notch	2.8	cc	2046/1660	407/407	.036	Outer w Damper
163	351	.010	Flat w/In notch	2.8	cc	2046/1660	407/407	.036	Outer w Damper
164	351	.010	Flat w/In notch	2.8	cc	2046/1660	407/407	.036	Outer w Damper
168	400	.035	Dish		7.9 cc	2050/1660	422/427	.035	Outer w Damper
172	400	.035	Dish		7.9 cc	2050/1660	422/427	.035	Outer w Damper
177	351	.010	Flat w/In notch	2.8	cc	2046/1660	407/407	.036	Outer w Damper
200	460	.021	Dish		13.6 cc	2090/1661	435/486	.036	Outer Only
200	460	.021	Dish		13.6 cc	2090/1661	442/486	ALT .036	Outer Only
205	429	.009	Dish w/eyebrows	6.0	cc	2090/1661	442/486	.035	Outer Only
208	429	.009	Dish w/eyebrows	6.0	cc	2090/1661	442/486	.035	Outer Only
212	429	.009	Dish w/eyebrows	6.0	cc	2090/1661	442/486	.035	Outer Only
212	460	.021	Dish		13.6 cc	2090/1661	435/486	.036	Outer Only
212	460	.021	Dish		13.6 cc	2090/1661	442/486	ALT .036	Outer Only
248	351	.015	Flat w/eyebrows	2.7	cc	2198/1717	481/490	.036	Outer w Damper
266	351	.015	Flat w/eyebrows	2.7	cc	2198/1717	481/490	.036	Outer w Damper
275	351	.008	Flat w/eyebrows	2.7	cc	2198/1717	515/515	.036	Outer w Damper

Alt- Alternate camshaft