

FORD WINDSOR V8 ROCKER RATIO 1.62

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash Intake	Lash Exhaust	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers	
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust													
260/289/302 HYDRAULIC USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY																					
Hi torque, fuel efficient cam can be used a STD cam	1100 - 3900	15613	260	267	194	202	.421"	.442"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
LPG cam, dual pattern, good power and economy	1200 - 4000	15631	269	269	202	207	.426"	.426"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Mild idle, improved throttle response use in STD to Mild engine	1100 - 3900	15602	270	270	208	208	.454"	.454"	110			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Maximum low end torque, dual pattern suit LPG needs valve springs & exhaust (See Fitting notes 1, 2 & 4)	1700 - 4700	15666	268	288	204	214	.450"	.480"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Mild street applicaton, medium idle good mid range, needs valve springs etc (See Fitting notes 1, 2 & 4)	2100 - 5200	15665	280	290	214	224	.475"	.502"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Performance cam for street application needs heads, carbie headers & hi stall (See Fitting notes 1, 2 & 4)	2200 - 5600	151550	287	294	219	224	.478"	.478"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Performance cam for street application needs heads, carbie headers & hi stall (See Fitting notes 1, 2 & 4)	2200 - 5600	151365	288	290	219	224	.463"	.471"	110			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Hot Street cam , good mid range needs heads, carbie headers & hi stall (See Fitting notes 1, 2 & 4)	2800 - 5800	151367	293	299	226	236	.502"	.526"	112			HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163	
Street /strip hyd cam, aggressive idle needs heads, carbie headers & hi stall (See Fitting notes 5)	3000 - 6200	15787	284	295	238	246	.525"	.530"	109			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167	
Performance street/strip hyd cam need engine mods + 3200 stall (See Fitting notes 5)	3000 - 6200	15747	294	307	236	246	.567"	.575"	107			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167	
Max performance street/strip hyd cam need serious engine mods + 3500 stall (See Fitting notes 5)	3500 - 6500	15802	295	295	246	246	.547"	.547"	109			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167	
260/289/302 SOLID USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY																					
Choppy idle, great mid range power needs serious engine mods & hi stall (See Fitting notes 1- 7)	3000 - 6000	15626	278	288	238	244	.525"	.535"	109		.024"	.026"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Choppy idle, great mid range power needs serious engine mods & hi stall (See Fitting notes 1- 7)	3400 - 6500	151374	281	281	246	246	.552"	.552"	108		.016"	.016"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Race application, needs good breathing comp, diff gears & hi stall (See Fitting notes 1- 7)	3600 - 6500	15746	292	295	252	258	.550"	.575"	109		.018"	.018"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance soild cam, need premium valve train parts (See Fitting notes 1- 7)	3800 - 7200	15731	292	297	253	260	.575"	.585"	108		.026"	.026"	AT2000L-16	7437-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance soild cam serious race use only need premium valve train parts (See Fitting notes 1- 7)	3600 - 7400	15794	306	311	265	268	.612"	.612"	107		.014"	.018"	AT2000L-16	7437-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

FITTING NOTES: 1. Must use performance springs. 2. Must use performance retainers. 3. Machining required to fit these components. 4. Must use performance seal. 5. Notes 1 to 4 all apply to this part number. 6. Check valve train geometry before ordering pushrod. 7. Pushrod length varied in this model. Check length before ordering. 8. Spring height varies in models, check spring pressure before installation.

FITTING NOTES: Push Rods sold seperately. Check length before ordering from page 78.
 • Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.
 • All lash settings quoted are measured hot. • The use of high volume oil pumps may cause premature wear of the distributor gear.

FORD WINDSOR V8 ROCKER RATIO 1.62

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash Intake	Lash Exhaust	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust												

351W HYDRAULIC USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY

Hot Street cam , good mid range needs heads, carbie headers & hi stall (See Fitting notes 5)	2700 - 6500	62620	294	294	234	234	.512"	.512"	108			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Street /strip hyd cam, aggressive idle needs heads, carbie headers & hi stall (See Fitting notes 5)	2800 - 6200	62787	284	295	238	246	.525"	.530"	109			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance street/strip hyd cam need engine mods + 3200 stall (See Fitting notes 5)	3200 - 6300	62747	294	307	236	246	.567"	.575"	107			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Street/strip application rough idle needs heads, carbie headers & hi stall (See Fitting notes 5)	3500 - 6500	62700	304	316	242	250	.535"	.535"	108			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Max performance street/strip hyd cam need serious engine mods + 3500 stall (See Fitting notes 5)	3500 - 6500	62802	294	294	246	246	.547"	.547"	109			HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167

351W SOLID USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY

Choppy idle, great mid range power needs serious engine mods & hi stall (See Fitting notes 5)	3000 - 6000	62626	278	282	238	244	.525"	.535"	109		.024"	.026"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Choppy idle, great mid range power needs serious engine mods & hi stall (See Fitting notes 5)	3400 - 6500	621374	281	281	246	246	.552"	.552"	108		.016"	.016"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Race application, needs good breathing comp, diff gears & hi stall (See Fitting notes 5)	3600 - 6500	62746	292	295	252	258	.550"	.575"	109		.018"	.018"	AT2000-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance solid cam (See Fitting notes 5)	3800 - 7200	62731	292	297	253	260	.575"	.585"	108		.026"	.026"	AT2000L-16	7437-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance solid cam (See Fitting notes 5)	3600 - 7400	62794	306	311	265	268	.612"	.612"	107		.014"	.018"	AT2000L-16	7437-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8302W	See Notes	CRFW167

351W HYDRAULIC ROLLER - FIRING ORDER 1, 3, 7, 2, 6, 5, 4, 8

289W-302W we use 351W roller billet

Mild performance cam great low down torque to mid range, need manifold and headers (See Fitting notes 5)	1700 - 5700	621414	277	287	213	223	.499"	.515"	108				5351H	7333-16 ^D	1.800"	11700-16	11701-16	VSV530-16	CS8302W	See Notes	CRFW167
Mild performance cam great bottom end & mid range, choppy idle need manifold & headers (See Fitting notes 5)	1800 - 6000	621371C	290	290	216	216	.505"	.505"	108				5351H	7333-16 ^D	1.800"	11700-16	11701-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance cam great mid range, choppy idle need manifold & headers (See Fitting notes 5)	2200 - 6200	621330	276	283	220	227	.532"	.542"	110				5351H	7333-16 ^D	1.800"	11700-16	11701-16	VSV530-16	CS8302W	See Notes	CRFW167
Performance cam great mid range & top end power, choppy idle need manifold & headers (See Fitting notes 5)	2600 - 6200	621515	294	298	228	234	.582"	.578"	107				5351H	7342-16 ^D	1.800"	11700-16	4134-16	VSV530-16	CS8302W	See Notes	CRFW167

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

FITTING NOTES: 1. Must use performance springs. 2. Must use performance retainers. 3. Machining required to fit these components. 4. Must use performance seal. 5. Notes 1 to 4 all apply to this part number. 6. Check valve train geometry before ordering pushrod. 7. Pushrod length varied in this model. Check length before ordering. 8. Spring height varies in models, check spring pressure before installation.

FITTING NOTES: Push Rods sold separately. Check length before ordering from page 78.
 • Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.
 • All lash settings quoted are measured hot. • The use of high volume oil pumps may cause premature wear of the distributor gear.

FORD WINDSOR V8 ROCKER RATIO 1.62

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash Intake	Lash Exhaust	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers			
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust															
351W SOLID ROLLERS																							
260, 289 & 302 use 351W roller billet																							
Street/strip application, bracket engine needs comp, good heads etc (See Fitting notes 1 - 7)	4000 - 7000	621301	286	295	252	260	.585"	.585"	107				.016"	.016"	5300	4910-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8302W	See Notes	
Street/ strip roller med lift, heap of bottom end torque, soft on valve springs (See Fitting notes 1 - 7)	3800 - 6800	621387	298	302	259	265	.635"	.633"	107				.016"	.016"	5300	4910-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8302W	See Notes	
Race roller, for max mid & upper RPM needs, comp and after market heads etc (See Fitting notes 1 - 7)	4200 - 7200	62819	291	298	259	266	.583"	.583"	108				.016"	.016"	5300	4920-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8302W	See Notes	
Street/strip roller, suit stroker good bottom end torque, soft on valve springs (See Fitting notes 1 - 7)	4200 - 7500	621576	307	310	276	278	.608"	.608"	108				.016"	.016"	5300	4920-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8302W	See Notes	
EFI HYDRAULIC ROLLER 5Lt 302 V8 - FIRING ORDER 1, 3, 7, 2, 6, 5, 4, 8											NOTE: MUST REMOVE FACTORY FITTED SLOW ROTOR FROM EXHAUST WHEN USING 11700-XR8												
STD replacement	1000 - 4600	62952	262	262	186	196	.428"	.453"	117						5300H	7738-16	1.800"	11700-XR8	11701-16		CS8302WEFI	See Notes	CRFW163
Mild street applicaton, stock idle good torque & mid range 220k (See Fitting notes 1 & 2)	1500 - 5000	621339	268	275	203	209	.455"	.455"	118						5300H	7738-16	1.800"	11700-XR8	11701-16		CS8302WEFI	See Notes	CRFW163
STD idle, improved throttle response use in STD to Mild engine 200k (See Fitting notes 1 & 2)	1600 - 5300	621338	272	272	210	210	.458"	.458"	118						5300H	7738-16	1.800"	11700-XR8	11701-16		CS8302WEFI	See Notes	CRFW163
Mild street engine suits genuine 250kw 347ci (See Fitting notes 1 & 2)	1600 - 5300	621368	275	275	211	211	.447"	.447"	116						5300H	7738-16	1.800"	11700-XR8	11701-16		CS8302WEFI	See Notes	CRFW163
Medium performance cam, basic idle improved bottom & mid range suit auto (See Fitting notes 1 & 2)	1800 - 5800	621371E	290	290	216	216	.505"	.505"	115						5300H	7738-16	1.800"	11700-XR8	4133-16		CS8302WEFI	See Notes	CRFW163
Medium performance cam, grumpy idle improved bottom & mid range needs hi stall (See Fitting notes 5)	2500 - 6500	621317	309	296	222	217	.539"	.539"	112						5300H	7333-16 ^D	1.800"	11700-XR8	4133-16		CS8302WEFI	See Notes	CRFW163
Good mid range performance needs hi stall (See Fitting notes 1 & 2)	2700 - 6700	621354	293	299	225	224	.510"	.510"	115						5300H	7738-16	1.800"	11700-XR8	4133-16		CS8302WEFI	See Notes	CRFW163
429, 460 HYDRAULIC <small>ROCKER RATIO 1.73 USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY</small>																							
Maximum low end torque, dual pattern suit LPG needs valve springs & exhaust (See Fitting notes 1 & 2)	1600 - 4500	31666	268	288	204	214	.481"	.512"	112						HT900-16	7738-16	1.800"	11700-16	11701-16	KG317-16	CS8460	PR-978-12	CRFCL177
Mild street applicaton, medium idle good mid range, needs valve springs etc (See Fitting notes 5)	2000 - 5000	31665	280	290	214	224	.512"	.539"	112						HT900-16	7738-16	1.800"	11700-16	117010-16	KG317-16	CS8460	PR-978-12	CRFCL177
Hot street cam, strong mid range needs headers, carbie, hi- stall etc (See Fitting notes 5)	2200 - 5700	311367	293	299	226	236	.535"	.560"	112						HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8460	PR-978-12	CRFCL177
Street /strip cam, aggressive idle needs heads, carbie headers & hi stall (See Fitting notes 5)	2600 - 6300	31787	284	295	238	246	.561"	.566"	109						HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8460	PR-978-12	CRFCL177
Street/strip application rough idle needs heads, carbie headers & hi stall (See Fitting notes 5)	3200 - 6300	31700	304	316	242	250	.570"	.570"	108						HT900R-16	7333-16 ^D	1.800"	11700-16	4133-16	VSV530-16	CS8460	PR-978-12	CRFCL177

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

FITTING NOTES: 1. Must use performance springs. 2. Must use performance retainers. 3. Machining required to fit these components. 4. Must use performance seal. 5. Notes 1 to 4 all apply to this part number. 6. Check valve train geometry before ordering pushrod. 7. Pushrod length varied in this model. Check length before ordering. 8. Spring height varies in models, check spring pressure before installation.

FITTING NOTES: Push Rods sold separately. Check length before ordering from page 78.
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