CAMSHAFT SPECIFICATIONS

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
C-400-P	INT.			223			290	.298	.447	110	1.5	HYD.
	EXH.			223			290	.298	.447	118		HYD.
CASC-2	INT.			203			292	.273	.450	111	1.65	HYD
	EXH.			203			292	.273	.450	111		HYD
CASC-3	INT.			194			284	.258	.425	113		HYD
	EXH.			210			300	.282	.465	113		HYD
CASC-4	INT.			199			285	.266	.459		1.72	HYD.
	EXH.			203			281	.274	.473			HYD.
CASC-5	INT.			195			272	.240	.396	107	1.65	HYD.
	EXH.			198			269	.247	.408	115		HYD.
CCS-1	INT.			168			288	.210	.315		1.5	0.009
	EXH.			172			344	.224	.336	0		0.014
CCS-2	INT.			194			258	.260	.390	108		HYD.
	EXH.			202			269	.273	.409	116		HYD.
CCS-3	INT.			172			263	.222	.333	108		HYD.
	EXH.			172			262	.222	.333	108		HYD.
CCS-4	INT.			190			272	.229	.400	116	1.75	HYD
	EXH.			198			280	.235	.412	109		HYD
CCS-5	INT.			185				.271				HYD.
	EXH.			185				.271				HYD.
CCS-6	INT.			174				.222				HYD.
	EXH.			174				.222				HYD.
CCS-9	INT.			188			276	.232	.405	113		HYD.
	EXH.			188			276	.232	.405	110		HYD.
CCS-12	INT.			168			288	.210				0.009
	EXH.			170			288	.224				0.014
CCS-16	INT.			194			268	.257	.351	102	1.3	HYD
	EXH.			194			268	.257	.351	112		HYD
CCS-18	INT.			172			270	.221	.387	106	1.75	HYD
	EXH.			172			270	.221	.387	104		HYD
CCS-20	INT.			196			270	234	.412	107		HYD
	EXH.			196			270	.234	.412	119		HYD
CCS-22	INT.			210			285	.259	.453	109		HYD
	EXH.			213			297	.259	.453	117		HYD
CCS-23	INT.			176			244	.234	.351	106	1.5	HYD
	EXH.			194			259	.257	.385	112		HYD
CCS-24	INT.			189			250	.248	.372	102		HYD
	EXH.			202			269	.273	.409	116		HYD
CCS-25	INT.			193			268	.234	.409	104	1.75	HYD
	EXH.			203			280	.253	.442	116		HYD
CCS-26	INT.			172			270	.222	.388	106		HYD
	EXH.			190			276	.232	.406	98		HYD
CCS-27	INT.			176			244	.234	.351	108	1.5	HYD
	EXH.			194			259	.257	.385	112		HYD
CCS-30	INT.			179			238	.231	.346	105		HYD
	EXH.			196			256	.262	.394	109		HYD
CCS-31	INT.			193			269	.234	.399	103	1.7	HYD.
	EXH.			193			269	.234	.399	103		HYD.
CCS-32	INT.			185			216	.240	.385	112	1.6	HYD.
	EXH.			186			260	.240	.385	90		HYD.
CCS-33	INT.			196			256	.263	.394	108	1.5	HYD.
	EXH.			196			256	.263	.394	111		HYD.
CCS-34	INT.			196			256	.263		108		HYD.
	EXH.			196			256	.263		111		HYD.
CCS-35	INT.			176			244	.234	.350	108		HYD.
	EXH.			193			258	.257	.385	112		HYD.
CCS-36	INT.			178								HYD.
	EXH.			202								HYD.
CCS-37	INT.			202			269	.269	.404	115		HYD.

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
	EXH.			207			271	.276	.415	114		HYD.
CCS-38	INT.			179			252	.234	.350	108		HYD.
	EXH.			195			262	.256	.385	112		HYD.
CCS-39	INT.			179			252	.233	.350	106		HYD.
	EXH.			194			260	.257	.385	112		HYD.
CCS-40	INT.			207			271	.274	.410	117		HYD.
	EXH.			214			280	.285	.427	117		HYD.
CCS-41	INT.			189			250	.248	.372	106		HYD.
	EXH.			203			269	.273	.410	116		HYD.
CCS-42	INT.			194			258	.260	.390	108		HYD.
	EXH.			194			258	.260	.390	111		HYD.
CFC-1	INT.			184			229	.240	.360	103		0.016
	EXH.			184			225	.239	.358	105		0.016
CFC-3	INT.			180			246	.233	.350	123		HYD.
	EXH.			180			246	.233	.350	90		HYD.
CLT-1	INT.			208			264	.273	.396		1.45	0.004
	EXH.			208			247	.273	.396	108		0.006
FOV-6	INT.			202			251	.273	.389	107	1.5	0.019
	EXH.			202			251	.273	.389	117		0.019
FOV-9	INT.			185			256	.244	.366	112		HYD.
	EXH.			185			256	.244	.366	103		HYD.
HSC-1	INT.			218				.270				0.006
	EXH.			223			298	.271				0.006
HSC-2	INT.			208			254	.256				0.012
	EXH.			214			262	.258				0.004
HSC-3	INT.			218				.270				HYD.
	EXH.			223			298	.271				HYD.
HSC-4	INT.			218				.270				HYD.
	EXH.			222				.271				HYD.
HSC-6	INT.			208				.256				0.004
	EXH.			214				.258				0.012
HSC-7	INT.			194			258	.221	.332			0.006
	EXH.			201			276	.218	.327			0.006
HSC-9	INT.			208				.226				0.008
	EXH.			210				.226				0.01
HSC-10	INT.			200				.222				0.011
	EXH.			219				.225				0.006
HSC-11	INT.			218				.267				0.011
	EXH.			225				.262				0.006
HSC-12	INT.			218				.267				0.006
	EXH.			225				.262				0.011
MC762	INT.			191			271	.259	.388	115		HYD.
	EXH.			191			271	.259	.388	115		HYD.
MC769	INT.			232				.292				.008
	EXH.			233				.292				.008
MC794	INT.			224				.259				.006
	EXH.			224				.259				.011
MC797	INT.			215				.242				.012
	EXH.			220				.242				.012
MC803	INT.			189				.250				.008
	EXH.			193				.256				.014
MC809	INT.			197			270	.265	.397	110		HYD.
	EXH.			197			270	.265	.397	114		HYD.
MC810	INT.			230				.293				HYD.
	EXH.			230				.293				HYD.
MC814	INT.			196			276	.246	.359	102	1.46	HYD.
	EXH.			200			294	.254	.370	117		HYD.
MC816	INT.			222				.281				HYD.
	EXH.			223				.283				HYD.

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
MC820	INT.			220				.276				HYD.
	EXH.			220				.276				HYD.
MC821	INT.			203			240	.235	.405		1.72	HYD.
	EXH.			214			254	.250	.431			HYD.
MC822	INT.			220				.276				HYD.
	EXH.			220				.276				HYD.
MC830	INT.			164				.212				HYD.
	EXH.			166				.214				HYD.
MC831	INT.			202/200				.375	.375		1	HYD.
	EXH.											HYD.
MC832	INT.			200								HYD.
	EXH.			202				.375	.375			HYD.
MC835	INT.			188			254	.216	.354	120	1.64	HYD.
	EXH.			188			254	.216	.354	104		HYD.
MC836	INT.			193				.245				HYD.
	EXH.			193				.245				HYD.
MC839	INT.			204				.225				0.006
	EXH.			203				.225				0.01
MC840	INT.			206				.220				0.012
	EXH.			206				.220				0.012
MC841	INT.			205				.215				HYD.
	EXH.			205				.214				HYD.
MC1200	INT.			219				0.278				HYD.
	EXH.			220				0.280				HYD.
MC1230	INT.			204				.224				HYD.
	EXH.			214				.249				HYD.
MC1231	INT.			185			272	.245	.423	106	1.73	HYD.
	EXH.			203			288	.259	.447	114		HYD.
MC1232	INT.			193			279	.257	.444	108		HYD.
	EXH.			198			283	.264	.456	119		HYD.
MC1234	INT.			196				.220				HYD.
	EXH.			208				.240				HYD.
MC1236	INT.										1	HYD.
	EXH.			212				.410	.410			HYD.
MC1237	INT.			192				.239				HYD.
	EXH.			192				.239				HYD.
MC1238	INT.			210				.265				HYD.
	EXH.			210				.265				HYD.
MC1239	INT.			217				.230				0.006
	EXH.			219				.230				0.01
MC1240	INT.			181			248	.248	.372	108	1.5	HYD
	EXH.			192			250	.267	.401	110		HYD
MC1241	INT.			185				.240	.415		1.73	HYD.
	EXH.			201				.241	.417			HYD.
MC1242	INT.			196			286	.260	.448	109		HYD.
	EXH.			196			286	.259	.448	113		HYD.
MC1243	INT.			182				.246				HYD.
	EXH.			182				.246				HYD.
MC1245	INT.			197				.210				HYD.
	EXH.			208				.230				HYD.
MC1246	INT.			229				.291				HYD.
	EXH.			229				.291				HYD.
MC1249	INT.			188			294	.252	.403	111	1.6	HYD.
	EXH.			191			304	.255	.408	117		HYD.
MC1250	INT.			186			293	.250	.400	109		HYD.
	EXH.			191			299	.255	.408	117		HYD.
MC1251	INT.			181			284	.252	.403	115		HYD.
	EXH.			191			301	.255	.408	109		HYD.
MC1252	INT.			191				.267				HYD.

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
	EXH.			191				.267				HYD.
MC1253	INT.			184			254	.258	.413	114		HYD.
	EXH.			193			267	.269	.430	110		HYD.
MC1254	INT.			186				.245				HYD.
	EXH.			186				.245				HYD.
MC1255	INT.			192				.248				HYD.
	EXH.			190				.239				HYD.
MC1256	INT.			200			287	.260	.416	124		HYD.
	EXH.			200			287	.260	.416	118		HYD.
MC1257	INT.			200			287	.260	.416	110		HYD.
	EXH.			200			287	.260	.416	118		HYD.
MC1258	INT.			191			272	.261	.417	110		HYD.
	EXH.			191			272	.261	.417	110		HYD.
MC1259	INT.			189			277	.263	.384	107	1.46	HYD.
	EXH.			206			299	.276	.402	117		HYD.
MC1260	INT.			184			264	.275	.401	106		HYD.
	EXH.			202			294	.275	.401	110		HYD.
MC1261	INT.			191			270	.260	.390	110	1.5	HYD.
	EXH.			191			270	.260	.390	110		HYD.
MC1262	INT.			205			270	.265	.398	113		HYD.
	EXH.			196			259	.265	.398	117	1.6	HYD.
MC1263	INT.			197			275	.270	.404	114	1.5	HYD.
	EXH.			196			274	.263	.395	114		HYD.
MC1265	INT.			184				.256				HYD.
	EXH.			185				.256				HYD.
MC1266	INT.			189				.273				.008
	EXH.											
MC1267	INT.											
	EXH.			188				.273				0.010
MC1268	INT.			192			271	.248	.434	109	1.75	HYD
	EXH.			192			271	.248	.434	115		HYD
MC1269	INT.			191			266	.248	.434	109		HYD.
	EXH.			191			266	.248	.434	115		HYD.
MC1270	INT.			188			349	.248	.438	109		HYD
	EXH.			188			349	.248	.438	115		HYD
MC1271	INT.			216			250	.401	.401		1.0	HYD.
	EXH.			216			250	.401	.401			HYD.
MC1272	INT.			196				.273				0.009
	EXH.											
MC1273	INT.											
	EXH.			209				.299				0.013
MC1274	INT.			183			254	.251	.376	108	1.5	HYD.
	EXH.			193			264	.268	.402	114		HYD.
MC1275	INT.			208			277	.288	.432	121		HYD.
	EXH.			208			274	.293	.440	115		HYD.
MC1276	INT.			204			250	.297	.297	105	1	0.008
	EXH.									105		
MC1277	INT.										1.0	
	EXH.			204			240	.297	.297	107		0.01
MC1278	INT.			191			282	.252	.403	114	1.6	HYD.
	EXH.			200			288	.260	.416	120		HYD.
MC1279	INT.			188				.259				HYD.
	EXH.			196				.259				HYD.
MC1280	INT.			188				.259				HYD.
	EXH.			196				.259				HYD.
MC1281	INT.			230				.293				HYD.
	EXH.			230				.293				HYD.
MC1283	INT.			196				.267				HYD.
	EXH.			196				.267				HYD.

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
MC1284	INT.			232				.293				0.008
	EXH.			232				.293				0.008
MC1285	INT.			232				.293				0.008
	EXH.			232				.293				0.008
MC1286	INT.			230				.293				HYD.
	EXH.			230				.293				HYD.
MC1287	INT.			196			274	.275	.440	108		HYD.
	EXH.			208			296	.275	.440	112		HYD.
MC1288	INT.			186			273	.263	.421	118		HYD.
	EXH.			197			283	.279	.447	113		HYD.
MC1289	INT.			194			278	.272	.397	113	1.46	HYD.
	EXH.			198			283	.276	.404	117		HYD.
MC1290	INT.			194			258	.260	.390	109	1.5	HYD.
	EXH.			202			270	.273	.409	109		HYD.
MC1291	INT.			200			270	.248	.421	114	1.7	HYD.
	EXH.			206			273	.253	.430	114		HYD.
MC1292	INT.			182			262	.258	.413	118	1.6	HYD.
	EXH.			191			275	.258	.413	112		HYD.
MC1293	INT.			192				.312				.008
	EXH.											
MC1294	INT.											
	EXH.			193				.315				.010
MC1295	INT.			174				.216				HYD.
	EXH.											HYD.
MC1296	INT.											HYD.
	EXH.			167				.204				HYD.
MC1297	INT.			188			256	.255	.407	100		HYD.
	EXH.			192			260	.259	.415	115		HYD.
MC1298	INT.			208				.388				.009
	EXH.			208				.388				.011
MC1299	INT.			208				.388				.009
	EXH.			208				.388				.011
MC1300	INT.			201				.334				HYD.
	EXH.			201				.334				HYD.
MC1301	INT.			188				.259				HYD.
	EXH.			196				.259				HYD.
MC1302	INT.			188				.259				HYD.
	EXH.			196				.259				HYD.
MC1303	INT.			198			265	.287	.430	116	1.5	HYD.
	EXH.			198			265	.287	.430	110		HYD.
MC1304	INT.			197			263	.272	.409	113		HYD.
	EXH.			197			263	.272	.409	111		HYD.
MC1309	INT.			184			253	.258	.387	109		HYD.
	EXH.			193			266	.269	.403	115		HYD.
MC1310	INT.			194				.290				.008
	EXH.											
MC1311	INT.											
	EXH.			200				0.296				0.008
MC1315	INT.			191			260	.276	.415	106		HYD.
	EXH.			195			263	.286	.429	116		HYD.
MC1316	INT.			204			273	.282	.480	118	1.7	HYD.
	EXH.			209			298	.284	.483	118		HYD.
MC1317	INT.			197			282	.292	.496	123		HYD.
	EXH.			209			290	.292	.496	116		HYD.
MC1318	INT.			208				.389				0.009
	EXH.			208				.389				0.011
MC1319	INT.			208				.389				0.009
	EXH.			208				.389				0.011
MC1320	INT.			191			261	.276	.414	106	1.5	HYD.

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
	EXH.			194			263	.285	.428	116		HYD.
MC1328	INT.											
	EXH.											
MC1329	INT.							.350				
	EXH.											
MC1330	INT.											
	EXH.											
MC1331	INT.											
	EXH.											
MC1334	INT.			188			251	.274	.411	116		HYD.
	EXH.			194			271	.278	.417	107		HYD.
MC1335	INT.			202			268	.299	.450	116		HYD.
	EXH.			208			271	.306	.460	117		HYD.
MC1336	INT.			201			270	.298	.447	117		HYD.
	EXH.			208			276	.306	.459	117		HYD.
MC1337	INT.			191			259	.276	.414	106		HYD.
	EXH.			195			263	.285	.428	116		HYD.
MC1338	INT.											
	EXH.											
MC1339	INT.											
	EXH.											
MC1344	INT.											
	EXH.											
MC1345	INT.											
	EXH.											
MC1351	INT.			185			262	.263	.395	111		HYD.
	EXH.			185			262	.263	.395	110		HYD.
MC1352	INT.											
	EXH.											
MC1353	INT.											
	EXH.											
MC1358	INT.											
	EXH.											
MC1359	INT.			186				.279				
	EXH.			190				.280				
MC1360	INT.											
	EXH.											
MC1361	INT.			214				.267				
	EXH.			210				.221				
MC1362	INT.			197			271	.272	.409	113		HYD.
	EXH.			197			271	.272	.409	112		HYD.
MC1364	INT.							0.1776				
	EXH.											
MC1365	INT.			176				0.3170				
	EXH.			212				0.2897				
MC1374	INT.											
	EXH.											
MC1375	INT.											
	EXH.											
MC1376	INT.			188				.255	0.408	110		HYD
	EXH.			190				.259	0.414	105		HYD
MC1377	INT.			188				.255	0.408	110		HYD
	EXH.			190				.259	0.414	105		HYD
MC1379	INT.											
	EXH.											
MC1382	INT.			.274			202					
	EXH.			.275			242					
MC1383	INT.			195			281	.273	.464	113	1.7	HYD.
	EXH.			208			291	.280	.476	118		HYD.

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
MC1384	INT.			192			279	.268	.456	117		HYD.
	EXH.			190			281	.274	.466	110		HYD.
ROC-10	INT.			232			329	.296	.474	107	1.6	HYD.
	EXH.			232			329	.296	.474	119		HYD.
RVO-D	INT.			224			279	.288	.431	109	1.5	.017
	EXH.			223			275	.285	.428	112		.017
SBC-3	INT.			207			284	.269	.430	112	1.6	HYD
	EXH.			207			284	.269	.430	116		HYD
SBC-4	INT.			194				.243				HYD.
	EXH.			226				.286				HYD.
SBC-5	INT.			191			276	.242	.387	109		HYD.
	EXH.			208			297	.252	.403	116		HYD.
SBC-8	INT.			194			272	.251	.391	112		HYD
	EXH.			194			283	.244	.401	112		HYD
SBC-11	INT.			172			241	.207	.331	105		HYD.
	EXH.			182			261	.216	.346	106		HYD.
SBC-12	INT.			180			250	.224	.358	104		HYD.
	EXH.			194			280	.240	.384	110		HYD.
SBC-13	INT.			195			272	.251	.401	112		HYD.
	EXH.			194			280	.240	.384	110		HYD.
SBC-14	INT.			193			282	.250	.400	104		HYD.
	EXH.			196			276	.264	.422	110		HYD.
SBC-15	INT.			180			251	.224	.358	104		HYD.
	EXH.			194			280	.240	.384	110		HYD.
SBC-16	INT.			180			251	.224	.358	104		HYD.
	EXH.			194			280	.240	.384	110		HYD.
SBOT-1	INT.			196			271	.251	.401	106		HYD.
	EXH.			196			271	.251	.401	112		HYD.
SDC-1	INT.			248				.276				
	EXH.			248				.276				
SDC-3	INT.			219				.289				.010
	EXH.			219				.289				.012
SDC-4	INT.			171				.222				0.014
	EXH.			175				.232				0.014
SDC-5	INT.											
	EXH.											
SDC-6	INT.			206				.233				HYD.
	EXH.			205				.223				HYD.
SDC-7	INT.			226				.269				0.012
	EXH.			226				.269				0.012
SDC-8	INT.			227				.280				0.012
	EXH.			227				.280				0.012
SFP-2	INT.			196			268	.244	.400	129	1.64	HYD.
	EXH.			196			268	.244	.400	111		HYD.
SFP-4	INT.			202				.256				0.014
	EXH.			202				.256				0.016
SFP-5	INT.			192			236	.236				HYD.
	EXH.			206			226	.232				HYD.
SIH-1	INT.			188				.262	.445		1.7	HYD.
	EXH.			180				.236	.400			HYD.
SIH-3	INT.			182			244	.265	.440	103		0.025
	EXH.			198			264	.265	.440	110		0.025
SIH-6	INT.			176				.254		103		HYD
	EXH.			184				.253		105		HYD
SOC-9	INT.			187			276	.250	.400	106	1.6	HYD
	EXH.			200			290	.251	.401	112		HYD
SOC-10	INT.			180			256	.247	.395	106		HYD
	EXH.			187			276	.250	.400	112		HYD
SOC-12	INT.			172			248	.235	.376	100		HYD

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
	EXH.			192			274	.235	.376	114		HYD
SOC-14	INT.			178			249	.247	.395	102		HYD
	EXH.			186			256	.251	.401	116		HYD
SPC-3	INT.			224			298	.271	.406	112	1.5	HYD
	EXH.			236			310	.271	.406	119		HYD
SPC-4	INT.			198			272	.270	.404	106		HYD
	EXH.			208			280	.272	.408	116		HYD
SPC-5	INT.			198			272	.270	.404	106		HYD
	EXH.			208			280	.272	.408	116		HYD
SPC-7	INT.			212			285	.272	.409	113		HYD
	EXH.			225			298	.271	.408	118		HYD
SPC-8	INT.			231			304	.313	.470	112		HYD
	EXH.			240			316	.313	.470	115		HYD
SPC-9	INT.			189			264	.243	.364	105		HYD
	EXH.			189			264	.243	.364	110		HYD
SPC-10	INT.			188			277	.232	.406	113	1.75	HYD
	EXH.			188			277	.232	.406	110		HYD
SPC-11	INT.			181			256	.233	.349	108	1.5	HYD
	EXH.			181			256	.233	.349	104		HYD
SPC-12	INT.			209			292	.252	.378	115		HYD
	EXH.			189			264	.243	.364	112		HYD
SPC-13	INT.			190			277	.232	.405	113	1.75	HYD
	EXH.			190			277	.232	.405	110		HYD
SPC-15	INT.			202			247	.240	.413		1.72	HYD
	EXH.			201			221	.239	.411			HYD
SPC-16	INT.			223			260	.251	.432			HYD.
	EXH.			223			266	.253	.435			HYD.
SPC-17	INT.			188			276	.231	.406	113	1.75	HYD
	EXH.			188			276	.231	.406	110		HYD
SPC-18	INT.			188			276	.231	.406	113		HYD
	EXH.			188			276	.231	.406	110		HYD
SPC-19	INT.			213			252	.262	.450		1.72	HYD
	EXH.			214			252	.262	.451			HYD.
SPD-3	INT.			198			272	.270	.405	107	1.5	0.01
	EXH.			202			260	.275	.414	111		0.02
SPD-11	INT.			208			283	.287	.431	110		HYD
	EXH.			210			296	.286	.429	116		HYD
SPD-20	INT.			180			264	.248	.372	110		HYD
	EXH.			192			274	.266	.400	108		HYD
SPD-22	INT.			209			279	.286	.429	112		HYD
	EXH.			220			289	.296	.444	116		HYD
SPD-25	INT.			203			278	.273	.410	108		HYD
	EXH.			203			278	.273	.410	111		HYD
SPD-27	INT.			188			255	.252	.378	108		HYD
	EXH.			188			255	.252	.378	102		HYD
SPD-28	INT.			218			273	.243	.430		1.77	HYD
	EXH.			218			273	.243	.430			HYD
SPD-29	INT.			217			273	.243	.430	112		HYD
	EXH.			217			273	.243	.430	104		HYD
SPD-30	INT.			214			268	.243	.430			HYD.
	EXH.			214			268	.243	.430			HYD.
SPD-31	INT.			213			302	.298	.447	112	1.5	HYD
	EXH.			225			324	.306	.459	118		HYD
SPD-33	INT.			214			268	.243	.437		1.77	HYD.
	EXH.			214			268	.243	.437			HYD.
SPD-34	INT.			194			267	.245	.434			HYD
	EXH.			190			264	.245	.433			HYD
SPD-35	INT.			194			267	.245	.434			HYD
	EXH.			190			264	.245	.434			HYD

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
SRC-5	INT.			196			263	.266	.425	109	1.6	HYD
	EXH.			196			263	.266	.425	112		HYD
SRC-6	INT.			185			259	.254	.380	109	1.5	HYD.
	EXH.			185			259	.254	.380	112		HYD.
SRC-8	INT.			191			262	.252	.377	113		HYD
	EXH.			191			262	.251	.377	115		HYD
SRC-9	INT.			196			270	.265	.424	109	1.6	HYD
	EXH.			196			270	.265	.424	115		HYD
SVW-1	INT.			224			254	.405	.405		1.0	0.01
	EXH.			224			248	.405	.405			0.018
SWC-1	INT.			200				.220				0.018
	EXH.			206				.371				0.016
SYB-2	INT.			197			258	.262	.419	110	1.6	.019
	EXH.			196			258	.262	.419	116		.019
SYB-8	INT.			186			270	.232	.394	108	1.7	HYD
	EXH.			186			270	.232	.394	113		HYD
SYB-9	INT.			187			261	.238	.380	103	1.6	HYD
	EXH.			187			261	.238	.380	113		HYD
SYB-13	INT.			186			272	.232	.405	110	1.75	HYD
	EXH.			186			272	.232	.405	116		HYD
SYB-16	INT.			193			283	.244	.426	110		HYD.
	EXH.			193			283	.244	.426	110		HYD.
SYB-19	INT.			193			273	.253	.437	110	1.73	HYD.
	EXH.			206			287	.277	.480	116		HYD.
SYB-21	INT.			192			272	.247	.428	109		HYD.
	EXH.			198			291	.250	.432	111		HYD.
SYB-22	INT.			192			274	.252	.442	108	1.75	HYD.
	EXH.			192			274	.252	.442	111		HYD.
SYB-23	INT.			192			273	.247	.432	113		HYD
	EXH.			199			281	.249	.435	111		HYD
SYB-24	INT.			194			270	.260	.416	103	1.6	HYD
	EXH.			194			270	.260	.416	112		HYD
SYB-25	INT.			184			293	.230	.368	114		HYD.
	EXH.			189			265	.238	.380	104		HYD.
SYB-26	INT.			183			258	.237	.380	103		HYD
	EXH.			192			270	.247	.395	111		HYD
SYB-27	INT.			192			272	.247	.428	109	1.73	HYD.
	EXH.			198			291	.250	.432	111		HYD.
SYB-29	INT.			207			287	.278	.481	120		HYD.
	EXH.			221			307	.283	.489	110		HYD.
SYB-30	INT.			197			280	.260	.416	114	1.6	HYD
	EXH.			209			293	.278	.444	114		HYD
SYB-31	INT.			185			259	.225	.370		1.65	HYD.
	EXH.			193			275	.229	.377			HYD.
SYB-32	INT.			186			266	.240	.415	106	1.73	HYD.
	EXH.			201			275	.241	.417	114		HYD.
SYB-33	INT.			186			261	.240	.415	106		HYD.
	EXH.			201			275	.241	.416	114		HYD.
SYB-35	INT.			206			283	.278	.445	117	1.6	HYD
	EXH.			221			304	.283	.453	113		HYD
SYB-36	INT.			206			260	.263				0.014
	EXH.			206			254	.264				0.016
SYB-37	INT.			187			246	.238	.390	108	1.64	HYD.
	EXH.			190			250	.238	.390	116		HYD.
SYB-38	INT.			192			270	.247	.395	108	1.6	HYD
	EXH.			192			270	.247	.395	114		HYD
SYB-39	INT.			200			269	.239	.395	108	1.65	HYD.
	EXH.			200			269	.239	.395	114		HYD.
SYB-40	INT.											

CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens	Closes	Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens	Closes	Duration	Cam Lift	Gross Valve Lift	Center Line C/L	Rocker Arm Ratio	Valve Lash Clearance
	EXH.											
SYB-41	INT.			185			259	.225	.370			HYD.
	EXH.			193			275	.229	.377			HYD.
SYB-43	INT.			184			260	.237	.379	104	1.6	HYD.
	EXH.			192			272	.247	.395	111		HYD.
SYB-44	INT.			208			275	.265	.437		1.65	HYD.
	EXH.			208			275	.265	.437			HYD.
SYB-45	INT.			190				.240				HYD.
	EXH.			190				.240				HYD
SYB-46	INT.			190				.240				HYD.
	EXH.			190				.240				HYD.
SYB-47	INT.			190				.240				HYD.
	EXH.			190				.240				HYD.
SYB-48	INT.			202				.250				HYD.
	EXH.			190				.239				HYD.
SYB-49	INT.			202				.262				HYD.
	EXH.			202				.262				HYD.
SYB-50	INT.			198			287	.260	.416	110	1.6	HYD
	EXH.			198			287	.260	.416	118		HYD.
SYB-51	INT.			210			298	.278	.444	116		HYD.
	EXH.			211			282	.278	.445	115		HYD.
TSC-1	INT.			212			244	.262	.380		1.45	0.008
	EXH.			224			254	.264	.383			0.014
TSC-2	INT.											
	EXH.											
TSC-3	INT.											
	EXH.											
TSC-5	INT.			191				.197				.008
	EXH.			191				.197				.012
TSC-7	INT.			209				.221				HYD.
	EXH.											HYD.
TSC-8	INT.											HYD.
	EXH.											HYD.