



Allis Chalmers

Parts Manual

D-19

Parts Manual

JENSALES.COM

or Call 800-443-0625

JENSALES

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
ALLIS CHALMERS OR IT'S SUCCESSORS. **ALLIS CHALMERS** AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

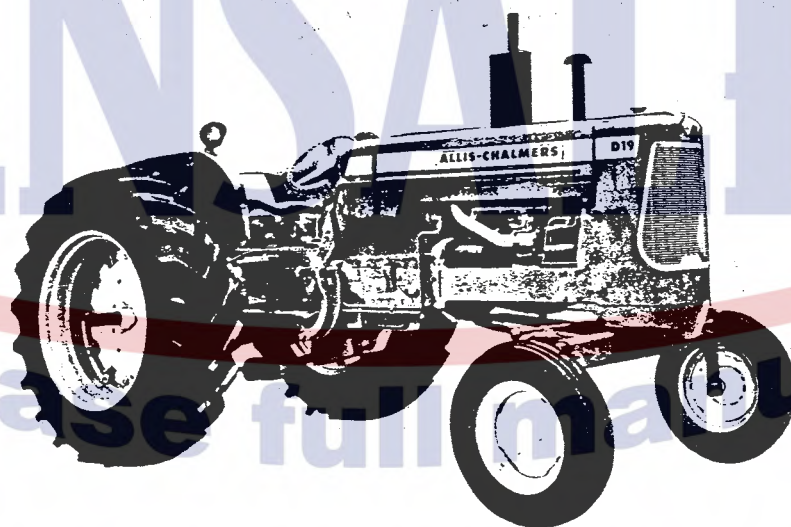
TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

AC-P-D19

CLICK ANYWHERE FOR MORE DETAILS

DEALERS PARTS CATALOG

MODEL D19 TRACTOR



JENSALES.COM

or Call 800-443-0625

MILWAUKEE, WISCONSIN, U. S. A.

LITHO. IN U. S. A.

FORM D-58

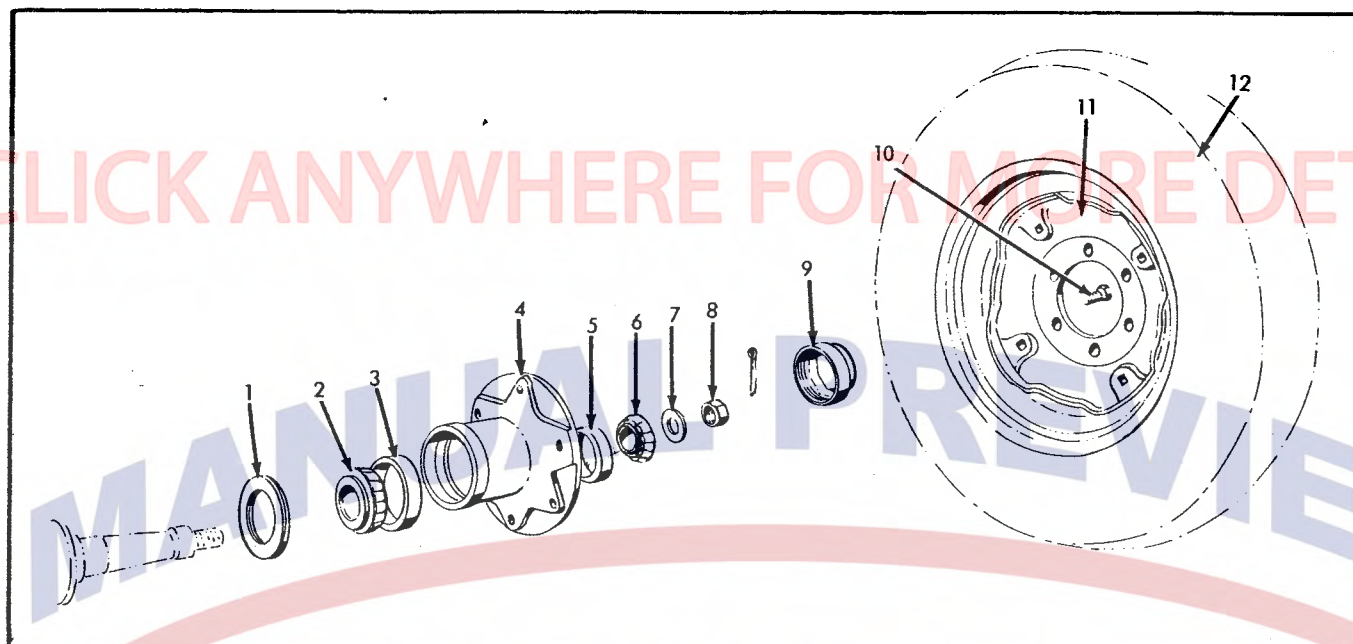
CLICK ANYWHERE FOR MORE DETAILS

INDEX

AIR FILTER INDICATOR	263
ASSEMBLIES & PACKAGES PARTS	267
AXLE	
Front (Single Front Wheel)	206
Rear	156, 158
Roll Shift Front	204
BATTERY TRAY	114
BELT PULLEY	131
Shifter	132
BRAKE	167
Control	169
CLUTCH	
Engine	122
Pedal	125
Shaft	127
Transmission	133
DIFFERENTIAL	155
DRAWBAR ("SNAP COUPLER")	174
ELECTRIC LIGHTING	108
ELECTRIC STARTING (DIESEL)	96
ELECTRIC STARTING (GAS & LPG)	92
ETHER STARTING AID	266
ENGINE, DIESEL	
Air Cleaner	88
Air Heater	83
Crankshaft	7
Cylinder Block	51
Cylinder Head & Valves	56
Exhaust & Intake Manifolds	64
Flywheel & Ring Gear	14
Fuel Filter	79
Fuel Injection Nozzles & Lines	76
Fuel Injection Pump	68, 71
Gear Cover	61
Generator	106
Governor & Injection Pump Control	81
Lube Oil Filter	67
Oil Pump & Oil Pan	65
Piston & Connecting Rod	54
Starter	101
Thermostat	63
Turbocharger	84, 87
Valve Mechanism & Camshaft	59
Water Pump	62
ENGINE, GASOLINE & LPG	
Air Cleaner	38
Carburetor (Gasoline)	31
Carburetor (LPG)	46, 48
Crankshaft	7
Cylinder Block	4
Cylinder Head	10
Distributor Ignition	27, 29
Flywheel & Ring Gear	14
Fuel Filter (LPG)	43
Fuel Pump (Gasoline)	34, 36
Gear Cover	15
Generator	103, 106
Governor	23
Governor & Choke Control	25
Lube Oil Filter (Gasoline)	22
Manifold	19
Oil Pump & Oil Pan	20
Piston & Connecting Rod	8
Regulator (LPG)	44, 46
Starting Motor	99
Thermostat	18
Valve Operating Mechanism	12
Water Pump	16
FINAL DRIVE	156, 158
FRAME, side	117
FUEL TANK (Gas & Diesel)	110, 112
FUEL TANK (LPG)	40
Filter	116
Support	114

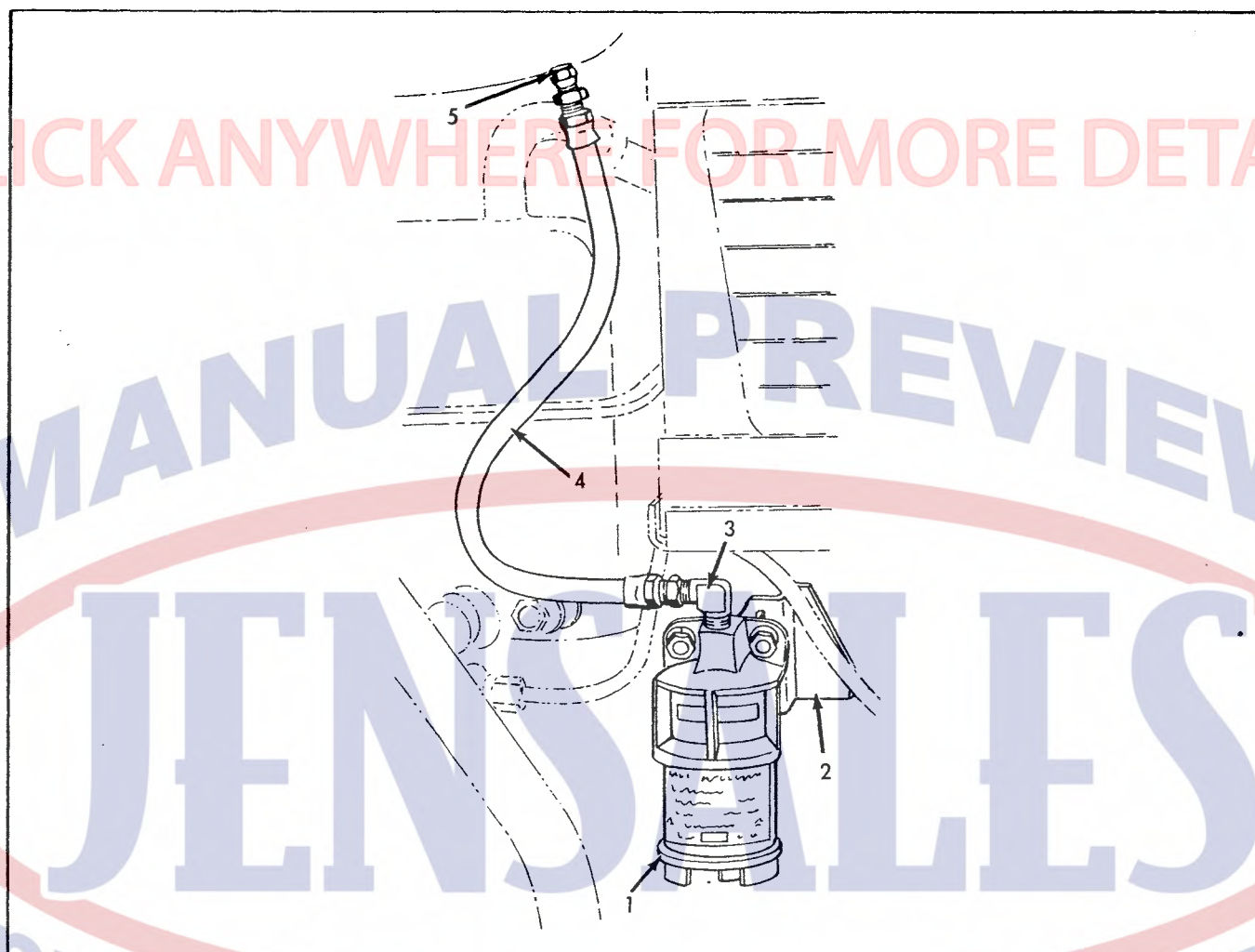
INDEX

HEATER, WATER	265
HITCH (3 POINT)	
Beaming Screw	177
Draft Arms	175
Drawbar	180
Linkage, Sensing	179
Torsion Bar	175
Winging Screw	178
HOOD	118
HOSE COUPLER	257, 258
HYDRAULIC MANIFOLD CONTROL VALVE	224
HYDRAULIC PUMP	215, 217
Linkage	219
HYDRAULIC SYSTEM, AUXILIARY	259
Diverter Valve	262
Pump	261
INSTRUMENT PANEL	249
LIFT ARMS	162
Latch	164
Rams	165, 166
LINES	
Hydraulic	221
MUFFLER	121
NUMERICAL HARDWARE	272
NUMERICAL INDEX	277
OIL CONTROL, MAKE-UP	227
OIL COOLER (SHUTTLE CLUTCH)	143
OPERATION METER	251, 252
PEDESTAL & SPINDLE	200
PLATFORM	213
POSITION CONTROL	230
Cable	232
POWER DIRECTOR	
Control (Transmission Clutch)	135
Filter & Lines	141
Oil Pump	139
Release	137
POWER STEERING	
Control Valve	193
Hydraulic Lines	195
Pump	196, 198
Steering Ram	192
P.T.O. SHAFT & GEARS	151
Shifter	154
RADIATOR	
Shell & Grille	90
REMOTE RAM	254, 255
SEAT	181, 183
SIDE SHEETS	120
"SNAP COUPLER"	171
SPINDLE & TIE ROD	202
SPREADER BAR	164
STEERING WHEEL, SHAFT & SUPPORT	208
SUPPORT	
Front	186, 189
TOOL BOX	213
TORQUE HOUSING	123
"TRACTION BOOSTER"	226
TRANSMISSION	
Counter Shaft	147
Gear Shift	149
Housing	144
Main Shaft	145
TRANSPORT VALVE	229
VALVE (1 & 3 SPOOL CONTROL)	233, 236, 238
Ball Check & Relief Valve	247
Spool	240, 244
WEIGHT & SUPPORT, FRONT	253
WHEELS	
Front	184, 185
Guards	213
Rear	210, 212



FRONT WHEEL
(Dual)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	235120	2	SLEEVE, seal wear	
2	209899	2	CONE, bearing, inner	
3	235089	2	CUP, bearing, inner	
4	236706	2	HUB ASSY., front wheel (Incl. Items 3, 5 & 9)	
5	209983	2	CUP, bearing, outer	
6	209926	2	CONE, bearing, outer	
7	203463	2	WASHER, spindle	
8	203462	2	NUT, spindle	
		1	900808 PIN, cotter	
9	220403	2	CAP, hub	
10	207503	12	BOLT, hub	
11	237888	2	WHEEL ASSY., rim & disc f/50" min. tread 16 x 5.50	
	235086	2	WHEEL ASSY., rim & disc (Std.)	
	238967	2	WHEEL ASSY., rim & disc (Hi Clearance) 20 x 5.50	
	235727	2	WHEEL ASSY., rim & disc (f/Rice Tractor) 7:50 - 16	
12	-----	2	TIRE & TUBE (6:50-16 std.) (Not Serviced Obtain Locally)	
	-----	2	TIRE & TUBE (7:50 - 16) 50" min. tread (Not Serviced obtain locally)	
	-----	2	TIRE & TUBE (7:50 - 16 f/Rice Tractor) (Not Serviced obtain locally)	
	-----	2	TIRE & TUBE (7:50-20 (Hi Clearance)) (Not Serviced Obtain Locally)	



AIR FILTER INDICATOR

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	236484	1	INDICATOR 15" H ₂ O 1st type (4 Screw Mtg.)	
	4	917393	SCREW, mach.	
	4	917395	LOCKWASHER	
	237588	1	INDICATOR 15" H ₂ O 2nd type (2 Screw Mtg.)	
	2	904204	LOCKWASHER	
2	2	910880	NUT	
	237589	1	SUPPORT ASSY., indicator (Incls. SCREWS) (2nd Type)	
	2	905656	CAPSCREW	
	2	914105	LOCKWASHER	
	2	910880	NUT	
3	236851	1	SUPPORT, indicator	
	2	905656	CAPSCREW	
	910161	1	ELBOW, male (2nd type) (to Hose)	
	910141	1	CONNECTOR, tube to indicator (1st type)	

Continued

NUMERICAL INDEX

Part No. Page

035733... 117
042887... 129
043021... 198
052642... 194
057005... 157
057006... 156
058974... 153
061086... 159
061087... 156, 159
061088... 156, 159
077240... 198
077241... 198
077245... 198
091705... 234, 247
091708... 247
158514... 159
200267... 150
202132... 110, 112
202532... 123, 163
202584... 157
202822... 187, 190
202864... 150
203093... 10
203462... 184
203463... 184
203465... 150
203961... 185
203962... 185
203990... 185
203991... 185
203992... 185
203994... 185
204882... 150
205516... 200, 207
206049... 150
206552... 147, 189
206880... 11
207267... 125
207503... 184
207552... 65
207839... 215, 218
208137... 116
208272... 172, 250
208325... 116
208362... 116
208377... 116
208465... 123
208584... 208
208960... 249
209163... 43
209734... 123
209899... 129, 184
209905... 157, 160
209926... 184
209983... 184
209987... 185
210287... 200
210290... 153
210732... 207
210733... 207
211169... 128, 155
211575... 207
211588... 131, 207
211743... 204
211822... 215, 217
212004... 13
212037... 128, 155
213314... 110
213517... 216, 218
217111... 153
217264... 116
217492... 131, 155
218647... 207
218648... 160
218662... 211
218683... 116
218762... 202
219456... 211
219635... 155
219638... 155
219645... 155
222208... 206
222214... 185
222217... 206

Part No. Page

220403... 184
222447... 186, 189
222455... 163
222488... 181
222553... 215, 217
223126... 145
223155... 133
223159... 134
223180... 145
223181... 145
223247... 116
223248... 116
223255... 116
223303... 262
223308... 145
223365... 256
223395... 134
223405... 256
223461... 206
223495... 216
223558... 202
223578... 193
223579... 216, 218
223580... 222
223713... 266
223723... 257
224747... 257
224555... 228
224556... 228
224557... 219
224558... 198
224670... 215, 218
224733... 11
224872... 257
224874... 257
224879... 257
224880... 257
224891... 209
224908... 201
224909... 201
225152... 174, 177
225265... 25, 82, 231
225300... 180
225389... 124, 144, 160
225441... 144, 160, 220
225449... 193
225764... 182
225864... 257
225894... 145
225895... 145
225896... 145
225897... 145
225898... 145
225899... 145
225900... 145
225942... 146
225944... 146
225948... 146
225951... 145
225952... 145
225965... 147
225982... 146
225983... 146
225984... 146
225985... 146
225986... 146
226012... 21, 66, 124, 144, 160, 187, 190, 220
226023... 150
226043... 181
226045... 181
226048... 41
226050... 41
226052... 41
226315... 47
226408... 21, 66, 187
226544... 249
226572... 150
226687... 224
226718... 146
226859... 14
226912... 95, 99

Part No. Page

227029... 97, 250
227195... 150
227281... 198, 229
227282... 229
227283... 229
227284... 229
227285... 229
227286... 229, 245
227288... 229
227289... 229
227290... 229
227343... 196, 198, 216, 218, 262
227344... 139, 140, 224
227362... 192
227456... 198
227463... 192, 193, 196, 199
227464... 198
227467... 94, 97
227468... 93, 97
227470... 62
227482... 190
227491... 199
227500... 131
227503... 198, 199
227525... 176
227530... 196, 198
227591... 219
227592... 219
227596... 130
227597... 130
227615... 132
227617... 144, 187, 190
227621... 129
227644... 130
227665... 187, 190
227666... 187, 190
227668... 153
227672... 123
227680... 151
227682... 132, 154
227705... 125
227707... 125
227711... 126, 136
227712... 126, 136
227731... 25, 82, 231
227769... 186, 189
227783... 208
227790... 160
227817... 202
227827... 202
227833... 203
227837... 188
227838... 188
227855... 187
227898... 181
227902... 181
227908... 181
227910... 181
227911... 181
227913... 182
227914... 182
227915... 181
227916... 181
227917... 182
227926... 198
227927... 131
227933... 163
227936... 221
227973... 219
227976... 220
227978... 219
227981... 220
227985... 172, 220
227986... 172
228000... 171
228022... 131
228032... 176
228034... 134
228037... 133
228039... 133
228040... 134

Part No. Page

228041... 134
228042... 134
228046... 133
228047... 134
228048... 134
228050... 135
228058... 135
228063... 133
228064... 133
228067... 133
228072... 134
228073... 134
228074... 134
228075... 134
228089... 216
228090... 216
228119... 111, 113
228145... 200
228149... 136
228150... 188
228152... 127, 151
228153... 127, 151
228156... 216
228192... 130
228208... 162, 208
228215... 226, 230
228216... 226
228217... 226
228218... 226, 230
228219... 226, 230
228223... 220, 226, 231
228224... 226, 231
228225... 226, 231
228230... 220
228232... 220
228236... 220
228246... 219
228247... 220
228248... 136
228255... 208
228267... 134
228323... 250
228369... 93, 97, 114
228401... 132
228402... 97, 108
228441... 143, 260, 265
228465... 142, 143, 222, 260
228498... 110, 112
228509... 152
228509... 147
228532... 188
228533... 186, 190
228534... 187
228539... 190, 192
228546... 187, 190
228548... 201, 207
228550... 181
228551... 181
228552... 181
228561... 250
228566... 132
228595... 131
228600... 131
228602... 220
228626... 132
228627... 125
228628... 132, 154
228634... 131
228637... 131, 207
228640... 190
228645... 193
228652... 194
228653... 193
228654... 193
228656... 193
228657... 193
228660... 193
228674... 207
228677... 148
228690... 186, 190
228696... 220, 231
228697... 135
228699... 187

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
228702...	135	229423...	128	230413...	41	231294...	101
228717...	250	229424...	128	230419...	41	231295...	104
228748...	127, 152	229425...	128	230425...	153	231296...	104, 107
228749...	127, 152	229427...	128	230442...	119	231298...	104, 107
228750...	127, 152	229428...	128	230514...	146	231299...	101
228751...	127, 152	229429...	128	230548...	41	231300...	104, 107
228752...	127, 152	229442...	140	230560...	250	231301...	104, 107
228753...	128, 152	229456...	134, 152	230560...	97	231303...	103, 106
228754...	128, 152	229458...	134	230596...	136	231304...	99
228755...	128, 152	229460...	135	230597...	135	231307...	104, 107
228756...	128, 152	229479...	93, 103	230599...	91	231308...	104
228757...	128, 152	229484...	95	230605...	150	231309...	104, 107
228758...	128, 152	229489...	93	230608...	153	231310...	100
228763...	41	229490...	94	230609...	153	231311...	103, 106
228766...	251, 252	229505...	187	230636...	150	231312...	105, 107
228771...	115	229508...	104, 107	230668...	192	231314...	104
228799...	118	229523...	128	230670...	192	231315...	99
228815...	207	229524...	128	230687...	137	231316...	99
228817...	90	229525...	128	230688...	138	231317...	100
228906...	209	229526...	128	230689...	138	231318...	99, 102
229024...	219	229527...	128	230690...	138	231319...	99
229029...	172	229534...	38, 88, 99, 143	230691...	138	231320...	99
229031...	172	229542...	146	230692...	138	231321...	100
229042...	187, 190, 207	229552...	186	230693...	138	231322...	100
229043...	187, 190	229576...	93, 97	230696...	138	231324...	103, 106
229044...	187, 190	229579...	219	230703...	138	231325...	103, 106
229045...	187, 190	229580...	108	230706...	138	231326...	103
229049...	188	229623...	195	230718...	125	231327...	99
229050...	187	229629...	189	230721...	192	231330...	99
229062...	205	229640...	94, 98	230722...	41	231332...	100
229068...	205	229646...	97	230723...	41	231339...	102
229077...	202	229663...	81	230754...	150	231340...	101
229081...	202	229692...	119	230780...	41, 187	231342...	102
229099...	200	229697...	157, 159	230812...	206	231343...	101
229100...	200	229703...	182	230879...	190	231378...	250
229101...	200	229707...	166	230880...	190	231391...	136
229102...	20	229713...	139	230907...	95	231407...	255
229120...	226, 231	229716...	192	230958...	41	231408...	255
229122...	220, 226, 231	229725...	188, 193	230959...	41	231409...	255
229124...	231	229816...	25, 81, 231	230960...	41	231410...	255
229128...	25	229819...	82	230961...	41	231411...	255
229132...	25, 82	229820...	81	231019...	199	231412...	255
229133...	25, 81	229821...	82	231052...	257	231413...	255
229137...	220	229822...	82	231055...	41	231416...	256
229139...	213	229823...	82	231082...	134	231417...	256
229154...	118	229824...	195	231176...	131	231418...	255
229189...	115	229836...	195	231201...	216	231419...	255
229198...	131	229856...	129	231216...	45	231420...	255
229199...	132	229857...	113	231217...	45	231421...	255
229210...	91	229858...	249	231218...	45	231422...	255
229213...	91	229899...	93, 97	231220...	45	231423...	255
229237...	144	229902...	81	231227...	45	231424...	255
229241...	182	229918...	125	231234...	104, 107	231425...	255
229246...	146	229944...	144	231236...	103	231426...	254, 255
229252...	150	229966...	187, 190	231237...	104, 107	231486...	249
229253...	150	229981...	93, 114	231239...	103, 106	231495...	192
229254...	150	230015...	133	231240...	100, 102, 104, 107		
229258...	149	230050...	187, 190	231241...	104, 107	231573...	132
229259...	150	230059...	181	231242...	104, 107	231662...	152
229261...	149	230063...	252	231245...	100	231665...	151
229263...	149	230065...	215	231246...	102	231713...	250
229264...	149	230068...	147, 152	231252...	104, 107	231774...	234, 248
229265...	149	230084...	124	231256...	104, 107	231939...	151
229267...	150	230085...	124	231259...	102	231941...	127
229269...	150	230192...	97, 250	231261...	104, 107	231942...	151
229270...	150	230204...	119	231262...	99, 101	231943...	152
229271...	149	230229...	150	231265...	100, 101, 104, 107		
229278...	130	230233...	109	231268...	100	231944...	152
229279...	130	230235...	131	231269...	102	231988...	141
229280...	130	230238...	109	231270...	104, 107	231995...	93, 97
229281...	129	230246...	249	231271...	104, 107	231998...	103
229299...	124	230252...	109	231273...	107	232093...	133
229310...	153	230253...	134	231276...	103, 106	232094...	216
229328...	150	230273...	131	231280...	103, 106	232106...	179, 202
229340...	19	230283...	186, 189	231281...	104, 107	232107...	231
229353...	190	230288...	25, 81	231282...	100, 102, 104, 107		
229359...	192	230290...	146	231283...	104, 107	232109...	231
229362...	192	230310...	214	231285...	104, 107	232155...	120
229363...	192	230313...	110, 112	231286...	104, 107	232169...	108
229364...	190	230318...	123	231287...	103	232187...	250
229367...	195	230356...	122	231288...	107, 104	232190...	231
229393...	209	230366...	170	231289...	104, 107	232198...	231
229404...	11	230391...	122	231291...	99	232269...	205

NUMERICAL INDEX

Part No. Page

232312...135
232349...132
232409...147
232410...147
232416...93
232452...146
232457...139
232458...139
232459...139
232462...140
232476...135
232484...154
232486...154
232492...204
232525...148
232529...147
232530...147
232532...146
232546...249
232560...27
232564...227
232595...94, 98
232625...94, 98
232648...111, 113
232659...95
232694...208
232751...93, 97
232777...194
232791...187, 191
232806...42
232833...127
232834...127
232835...127
232836...127
232899...110, 112
232917...93, 114
232919...97, 114
232960...136
232963...135
232970...41
232972...41
232977...27
232979...138
232980...137
232981...138
232983...137
232984...132, 154
232985...136, 224, 235,
241, 245, 247
232986...138
232987...138
233110...194
233112...154
233188...124
233225...136
233240...229
233243...123
233244...123
233245...124
233249...220
233252...187
233277...140
233286...119
233299...208
233327...182
233368...205
233381...256
233382...256
233427...25, 81
233475...143
233506...120
233526...173
233565...265
233600...27
233634...250
233637...117
233638...115
233678...199
233679...199
233680...198
233716...194
233744...161
233757...94, 98
233758...94, 98

Part No. Page

233767...150
233770...225
233851...208
233852...91, 208
233978...216, 218
233993...234, 248
234085...143
234087...143
234146...91
234147...91
234234...234
234235...234, 236,
238, 245
234236...234, 235
234237...234
234238...234, 245
234240...241
234246...234, 248
234248...234
234250...234
234251...234
234252...234
234254...235
234256...235, 237, 239
234257...235, 237, 238
234263...233, 236, 238
234336...216, 218
234357...250
234360...250
234404...250
234409...250
234416...225, 236
234417...225
234419...225
234420...225
234425...225
234426...225
234433...250
234443...91
234622...41
234686...82
234687...81
234727...199
234793...234
234815...255
234816...255
234821...256
234846...256
234900...141
234954...234, 236,
238, 241
234955...235, 237, 238
234961...172
235004...143
235005...94, 98
235079...125
235080...125
235081...125
235082...126
235083...125
235084...125
235086...184
235089...184
235092...193
235093...224
235096...235
235098...235
235099...235
235100...235
235108...122
235112...122
235114...122
235115...122
235116...122
235117...122
235118...187, 190
235120...184
235121...223
235125...204
235139...204
235149...204
235152...205
235153...205
235154...205

Part No. Page

235155...174
235156...174
235166...174
235167...174
235174...213
235176...214
235178...213
235179...213
235180...166
235181...166
235182...166
235183...166
235184...166
235185...166
235187...162
235189...162
235192...163
235194...163
235200...249
235208...168
235209...168
235210...168
235211...168
235212...167
235213...167
235214...168
235217...219
235219...219
235220...171
235223...173
235224...171
235227...172
235230...169, 170, 172
235231...172
235232...172
235234...171
235235...171
235236...171
235237...172
235239...172
235240...173
235241...173
235242...172
235243...172
235244...172
235245...172
235246...172
235247...172
235248...173
235251...146
235252...146
235253...146
235254...146
235255...146
235256...146, 149
235257...145
235258...146
235260...147
235261...148
235262...148
235263...155
235265...149
235266...149
235267...144
235268...144
235276...215, 217
235277...215, 217
235278...215, 217
235279...215, 217
235280...216
235283...216
235286...224
235288...222
235289...222
235291...222
235292...221
235294...222
235295...153
235296...153
235297...162
235300...157, 160
235301...157, 160
235302...157, 158

Part No. Page

235303...157
235304...156
235305...156
235306...157, 159, 160
235308...157
235309...157
235310...157
235311...157, 159
235312...157
235313...159, 167
235314...159, 167
235315...160, 167
235316...160, 167
235317...160, 167
235318...169
235323...169
235324...169
235325...169
235326...169
235327...169
235328...170
235329...170
235330...169
235332...169
235336...169
235337...170
235338...169
235350...207
235351...187, 190
235353...16
235356...90
235358...91
235360...90
235361...90
235365...39
235368...38
235371...39
235375...121
235377...38
235380...118
235388...172
235389...196
235392...197
235393...196
235394...196
235395...195
235396...195
235397...195
235402...162
235406...224
235407...93, 97
235408...93, 97
235411...109
235413...98, 101
235414...98
235416...98
235417...94, 99
235423...201
235424...200
235425...200
235428...200
235429...174
235434...213
235435...214
235442...124
235444...130
235447...172
235448...38
235449...38
235450...25, 81
235451...82
235452...25, 81
235453...147
235459...25
235460...26
235461...26
235479...129
235481...220
235497...215, 217
235501...211
235504...157
235506...210, 211
235507...156
235508...157

NUMERICAL INDEX

Part No. Page	Part No. Page	Part No. Page	Part No. Page
235512...120	235850...194	236335...102	236622...110,112
235523...210	235857...121	236336...102	236624...110,112
235525...210	235881...164	236338...102	236625...208
235526...26	235884...39,87	236339...102	236626...111,113
235532...216	235885...207	236340...102	236632...90
235555...116	235886...207	236341...102	236635...114
235556...168	235893...249	236343...102	236640...115
235560...116	235895...39,87	236344...102	236645...155
235566...229	235896...39	236345...101	236646...110,112
235568...162	235900...109	236346...101	236647...38
235569...162	235905...250	236347...102	236650...88
235582...216	235909...250	236348...102	236651...89
235583...109	235918...39	236350...108	236652...112
235584...109	235919...174	236352...109	236653...95
235590...170	235920...164	236353...109	236655...251,252
235594...109	235925...128	236354...108	236659...91
235598...250	235940...267	236355...196	236661...213
235603...167	235944...267	236357...196	236670...110,113
235607...167	235946...128	236358...196	236672...110,112
235609...167	235949...210	236359...196	236676...93,97
235610...167	235950...210	236360...196	236677...97
235614...168	235951...210	236362...196	236678...249
235615...168	235952...210	236363...196	236679...93,97
235616...168	235953...214	236364...197	236680...93,97
235617...159	235954...214	236366...197	236681...93,97
235618...167	235955...109	236367...197	236682...93,97,106
235628...267	235976...109	236368...196	236683...97
235639...228	235977...109	236407...90	236705...85
235641...227	236047...253	236409...135	236706...184
235644...227	236049...253	236412...211	236712...93
235645...227	236050...136	236413...210,211	236714...41
235647...227,231	236051...136	236414...210	236715...114
235650...225	236070...196,197	236436...238	236719...41
235651...225	236095...46	236440...267	236720...41
235657...156,159	236096...45	236441...113	236721...42
235659...146	236098...47	236442...113	236722...118
235672...98	236099...46	236444...210	236725...118
235673...163	236100...44	236460...183	236729...119
235674...157	236101...49	236461...183	236730...118
235676...211	236102...46	236473...222	236736...267
235677...133	236103...47	236481...264	236745...57
235678...133	236106...41	236484...263	236746...57
235679...134	236107...42	236488...264	236747...57
235680...133	236114...38	236490...264	236749...222
235681...133	236115...26	236504...228	236750...141,222
235691...146	236119...205	236514...129	236752...187,190
235692...145	236208...205	236515...129	236753...188,191,207
235701...134	236240...205	236516...129	236754...187,190
235718...220	236247...127	236517...129	236757...234,248
235719...215,217	236248...129	236518...129	236758...234,248
235724...250	236266...41	236519...129	236759...247,234
235727...184	236275...201	236520...129	236760...234,247
235735...139	236276...222	236521...129	236761...234
235738...139	236279...44	236522...129	236779...41
235739...139	236280...44	236523...129	236813...91
235740...140	236285...111	236524...129	236815...91
235741...140	236286...111	236525...129	236816...216,217
235742...123	236290...100	236526...129	236817...216
235744...124	236291...100	236530...130	236818...216,218
235746...139	236295...144	236533...123	236820...215
235748...141	236297...147	236543...129	236825...150
235749...141	236298...147,152	236544...127	236835...156
235750...141	236299...147,152	236545...127	236836...90
235752...142	236300...147,152	236546...151	236837...197
235766...222	236301...147,153	236549...128	236841...179
235771...221	236302...147,153	236578...143	236851...263
235772...222	236303...148,153	236582...88	236852...155
235773...222	236304...147,148,153	236585...39	236854...111
235776...224	236305...148,153	236586...38	236856...222
235778...223	236306...148,153	236589...90	236857...228
235779...156	236307...148,153	236591...90	236858...227
235780...156	236308...148	236592...91	236859...232
235784...250	236309...148	236594...90	236860...222
235785...250	236316...144	236595...118	236868...221
235786...141	236318...183	236597...119	236869...221
235789...202	236325...152	236598...118	236873...43
235794...227,231	236326...152	236600...118	236909...139
235795...156	236328...214	236602...118	236910...156
235797...203	236329...213	236608...87	236962...267
235798...203	236330...101	236609...89	236963...155
235802...150	236331...101	236611...85	236964...210,211
235808...144	236332...102	236612...85	236965...156
235818...155	236333...102	236616...151	236966...156
235848...193	236334...102	236621...115	236967...210,211

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
236968...	210	237592...	264	239095...	241	239821...	180
236980...	232	237598...	162, 163	239096...	241	239822...	176
236981...	232	237601...	163	239098...	241	239824...	176
236982...	119	237602...	162	239101...	241	239825...	176
236983...	225	237619...	89	239102...	237	239827...	176
236985...	164	237620...	39	239103...	241	239831...	176
237002...	107	237622...	216, 218	239104...	241	239836...	179
237003...	106	237623...	219	239105...	237	239840...	179
237004...	106	237627...	218	239106...	237	239843...	179
237005...	106	237667...	39	239107...	241	239845...	179
237006...	106	237762...	137	239108...	237	239850...	178
237052...	155	237765...	261	239109...	241	239853...	176
237075...	202	237766...	261	239110...	241	239854...	176
237076...	251	237767...	261	239111...	241	239855...	178
237085...	219	237768...	261	239112...	242	239856...	178
237086...	221	237769...	261	239113...	241, 245	239857...	178
237087...	221	237782...	261	239114...	241	239858...	178
237088...	221	237868...	204	239117...	247	239859...	176
237089...	222	237872...	205	239118...	247	239860...	175
237093...	219	237877...	204	239119...	247	239867...	175
237123...	49	237878...	204	239124...	144	239869...	175
237124...	49	237882...	202	239128...	125	239873...	175
237125...	49	237885...	203	239130...	205	239876...	175
237126...	49	237886...	203	239142...	202	239877...	175
237127...	49	237888...	184	239144...	205	239878...	176
237128...	223	237905...	205	239155...	190	239879...	177
237133...	268	237907...	160	239159...	259	239883...	177
237134...	98	237908...	160	239234...	260	239884...	177
237174...	205	237909...	161	239237...	250	239887...	177
237176...	135	237910...	159	239282...	212	239888...	177
237187...	222	237911...	158	239283...	212	239898...	218
237197...	130	237912...	158	239284...	212	239928...	211
237237...	258	237913...	160	239285...	212	239929...	141
237238...	258	237914...	159	239287...	212	239930...	141
237242...	155	237915...	160	239322...	206	239934...	89
237247...	258	237916...	159	239324...	207	239948...	208, 230
237248...	258	237917...	159	239325...	206	239976...	194
237249...	258	237918...	160	239327...	207	239989...	218
237250...	258	237919...	160	239331...	207	239992...	266
237252...	258	237920...	160	239348...	204	239993...	266
237253...	258	237921...	159	239351...	204	240004...	39
237254...	258	237922...	158	239352...	204	240005...	89
237255...	258	237923...	161	239384...	127, 152	240017...	202
237258...	258	237925...	159	239385...	127, 152	240018...	202
237259...	258	237926...	159	239386...	128, 152	240020...	120
237260...	258	237927...	159	239387...	128, 152	240028...	266
237261...	258	237928...	159	239388...	128, 152	240071...	210
237262...	258	237929...	160, 207	239389...	128, 152	240081...	38
237263...	258	237931...	160	239390...	128, 152	240082...	87
237377...	258	237932...	159	239392...	147, 152	240116...	163, 232
237412...	254	237933...	159	239393...	152	240117...	231
237413...	254	237934...	161	239394...	147, 153	240119...	231
237414...	254	237935...	161	239395...	148, 153	240120...	231
237415...	165, 254	237936...	159	239396...	148, 153	240121...	231
237432...	165, 254	237937...	159	239397...	148, 153	240122...	231
237511...	262	237938...	160	239398...	148, 153	240125...	231
237515...	262	237939...	160	239399...	148, 153	240150...	141
237516...	262	237940...	160	239400...	85	240161...	217
237517...	261	237946...	116	239403...	193	240162...	217
237518...	262	237947...	116	239406...	194	240167...	218
237519...	262	238174...	33	239415...	129	240170...	218
237521...	262	238905...	250	239416...	129	240175...	97
237522...	260	238909...	204	239417...	129	240177...	217
237523...	260	238967...	184	239418...	129	240178...	165
237524...	259	238969...	224	239419...	129	240182...	162
237525...	259	238971...	211	239420...	129	240185...	165
237526...	259	238972...	211	239421...	129	240187...	165
237529...	259	238991...	202	239422...	129	240188...	165
237530...	259	238995...	203	239487...	150	240192...	218
237531...	260	238996...	203	239489...	254	240195...	265
237532...	260	238997...	170	239528...	253	240196...	265
237533...	260	238999...	144	239529...	253	240197...	265
237534...	259	239005...	207	239530...	146	240198...	265
237535...	259	239079...	236	239586...	94	240199...	265
237537...	259	239083...	237	239726...	108, 249, 250	240219...	91
237539...	262	239085...	242	239813...	180	240224...	247
237540...	262	239087...	242	239814...	180	240225...	247
237552...	197	239088...	241	239815...	180	240226...	265
237557...	198	239090...	241	239816...	180	240312...	230
237570...	196	239091...	241	239817...	180	240314...	230
237584...	162	239092...	241	239818...	180	240339...	231
237588...	263	239093...	241	239819...	180	240340...	230
237589...	263	239094...	241	239820...	180	240360...	231

NUMERICAL INDEX

Part No. Page

240373...175
240374...175
240377...230
240380...143
240381...143
240403...241
240413...222
240414...222
240415...218
240416...218
240417...218
240418...218
240436...109
240451...179
240487...218
240501...218
240528...259
240594...266
240706...265
240820...237, 238, 247
240827...179
240834...266
240859...176
240865...179
240873...165, 254
240879...260
240895...109
240897...231
240905...195
240936...129, 232
240973...16, 62
241061...235
241072...245
241073...245
241074...24
241075...245
241076...245
241077...246
241078...245
241079...245
241082...245
241083...245
241084...245
241085...245
241087...245
241088...245
241089...245
241090...245
241183...246
241184...246
241185...246
241186...246
241187...245
241188...245
241189...245
241190...246
241223...176
241224...176
241252...122
241253...122
241255...122
241259...149
241261...94
241265...94
241266...94
241267...93
241268...94
241269...94
241289...245
241571...162
241634...261
242156...238
327527...187
328002...187
332328...177, 180
341040...165, 254
341044...254
341046...254
341047...254
341380...165, 254
341381...165, 254
341384...165, 254
406139...185
619873...159

Part No. Page

800781...197
2003009...13
2003011...13
2003091...13
4001645...49
4003813...35, 36
4004755...27
4040480...73
4040567...34, 36
4040578...35
4040579...35
4041017...43
4041018...43
4041019...43
4041020...43
4041021...43
4041022...43
4041023...43
4041209...79
4041634...24
4041829...24
4042283...35
4042310...35
4042314...35
4042315...34, 36
4042316...34, 36
4042317...34, 36
4042318...34, 36
4042319...34, 36
4042320...35
4042321...34, 36
4042323...34, 36
4042329...35
4042333...34, 36
4042660...30
4042661...30
4042670...30
4042686...29
4042694...30
4042700...29
4042704...29
4042719...30
4042731...29
4042760...30
4042810...30
4042816...103
4044024...107
4044036...37
4044090...35
4044091...35
4044105...34, 36
4044339...30
4044350...103
4044353...30
4044355...99, 102
4044390...100
4044406...30
4044493...30
4044514...29
4044515...30
4044516...30
4044517...29
4044525...30
4044585...29
4044608...30
4045421...32
4045431...32
4045446...33
4045451...32
4046803...32
4046824...33
4046832...33
4047133...33
4047137...33
4047203...35
4047348...102
4047365...101
4047366...30
4047367...29
4047368...29
4047369...29
4047370...29
4047371...29

Part No. Page

4047372...30
4047373...30
4047970...100
4048593...72
4048596...69
4048597...68
4048598...68
4048600...68
4048603...74
4048604...74
4048605...74
4048608...72
4048610...74
4048612...73
4048620...72
4048624...71
4048627...71
4048630...71
4048632...71
4048635...71
4048636...74
4048639...71
4048642...71
4048645...74
4048650...73
4048787...80
4048788...80
4048789...80
4048790...80
4048791...80
4048792...79
4048793...80
4048794...79
4048796...79
4048797...79
4049229...106
4049230...106
4049531...72
4049532...71
4049533...71
4049799...23
4050184...72
4050190...252
4050192...252
4050277...23
4050417...72
4050910...71
4050912...73
4051002...71
4051378...73
4051379...74
4051380...74
4051381...72
4051385...72
4051386...72
4051387...75
4051388...72
4051401...35
4051411...72
4051412...72
4051413...72
4051499...71
4051502...71
4051672...100
4051687...32
4051689...33
4051690...32
4051695...32
4051718...32
4051732...32
4051734...32
4051735...32
4051736...32
4051815...72
4051821...74
4051833...74
4051948...73
4051949...73
4051950...73
4051951...73
4051952...73
4051953...73
4051954...73

Part No. Page

4051955...73
4051956...73
4052089...49
4052091...49
4052092...49
4052093...49
4052156...71
4052254...32
4052255...32
4052256...32
4052258...33
4052259...32
4052262...33
4052263...32
4052264...32
4052265...32
4052266...32
4052268...32
4052270...31
4052316...29
4052538...75
4052539...75
4052540...71
4052541...75
4052732...24
4052736...24
4052739...24
4052915...71
4052917...71, 74
4053061...100
4053062...100
4053063...100
4053065...100
4053068...100
4053148...37
4053204...71
4053264...73
4053265...73
4053266...71
4053267...71
4053362...73
4053375...71
4053382...73
4053385...72
4053451...74
4053589...71
4053590...72
4053591...74
4054037...73
4054297...87
4054300...87
4054301...87
4054302...87
4054305...87
4054306...87
4054307...87
4054308...87
4054309...87
4054310...87
4054311...87
4054312...87
4054313...87
4054314...87
4054315...87
4054317...87
4054318...87
4054320...87
4054321...87
4054433...268
4054530...87
4054544...32
4054579...71
4054580...74
4054581...71
4054582...71
4054583...71, 74
4054584...74
4054585...74
4054586...74
4054589...72
4054590...72
4054591...74
4054592...74

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4054593...	74	4353139...	11, 57	4506805...	5, 52	4511668...	252
4054594...	72	4369428...	74	4506806...	5, 52	4511676...	18
4054596...	71	4369429...	74	4506807...	5, 52	4511710...	12, 59
4054831...	24	4369430...	71, 73	4506808...	5, 52	4511728...	28, 252
4054832...	23	4369432...	74	4506809...	8, 54	4511892...	24
4054833...	23	4369436...	72	4506810...	8, 54	4511958...	12
4054844...	68	4369444...	72	4506811...	8, 54	4511961...	21, 66
4054845...	71	4369447...	73	4506903...	80	4511962...	21, 66
4054846...	30	4369451...	73	4506918...	80	4511963...	22
4054848...	30	4369507...	74	4506926...	21, 66	4511964...	22, 67
4054849...	30	4369592...	72	4506927...	21, 66	4511965...	21, 65
4054850...	30	4369593...	73	4506928...	21, 66	4511966...	21, 66
4054851...	30	4369595...	73	4506929...	21, 66	4512119...	11
4055025...	74	4369596...	73	4506930...	21, 66	4512120...	10
4055036...	72	4369597...	73	4506946...	57	4512121...	10
4055044...	30	4369598...	73	4507070...	6, 53	4512122...	8
4055048...	32	4369601...	73	4507072...	5, 53	4512123...	13
4055049...	32	4369878...	71, 74	4507074...	5, 52	4512124...	13
4055050...	33	4371122...	21, 66	4507076...	5, 52	4512127...	11
4055051...	32	4371718...	69	4507078...	8, 54	4512128...	13
4055052...	33	4372864...	58, 63	4507084...	16, 62	4512134...	12
4055053...	32	4376080...	252	4507090...	16, 62	4512135...	19
4055054...	33	4380652...	76	4507091...	16, 62	4512136...	11
4055055...	33	4500155...	5, 52	4507127...	8, 55	4512138...	13
4055058...	32	4500156...	5, 52	4507158...	23	4512143...	17
4055062...	32	4500157...	4, 52	4507343...	57	4512144...	62
4055063...	31	4500176...	60	4507359...	77	4512144...	17
4055064...	269	4500194...	57	4507374...	5, 52	4512147...	12
4055072...	87	4500231...	5, 52	4507375...	20, 65	4512148...	12
4055073...	87	4500300...	14	4507386...	57	4512156...	13
4055074...	87	4500313...	12, 59	4507415...	77	4512172...	11
4055075...	87	4500319...	20	4507468...	68	4512175...	13
4055086...	72	4500321...	34	4507505...	15, 61	4512212...	17, 62
4055087...	74	4500327...	6, 53	4507673...	5, 52	4512216...	11
4055089...	75	4500332...	5, 52	4507700...	7	4512249...	57
4055090...	72	4500465...	28	4507710...	8, 55	4512343...	83
4055095...	32	4500466...	28	4507712...	9	4512369...	11
4055096...	32	4500967...	57	4507713...	8	4512473...	17
4055097...	23	4500973...	64	4507733...	59	4512474...	17
4055146...	37	4501050...	58	4507982...	8	4512588...	20, 65
4055148...	37	4501149...	77	4508061...	57	4512603...	32
4055174...	37	4501177...	60	4508186...	15, 61	4512679...	11
4055177...	87	4501178...	60	4508465...	4, 51	4512715...	19
4055180...	37	4501199...	20, 65	4508501...	61	4512756...	269
4055184...	37	4501211...	60	4508813...	20, 65	4512787...	80
4055285...	87	4501776...	252	4508814...	21, 66	4512808...	27
4055286...	87	4502009...	57	4508825...	16, 62	4512820...	7
4055287...	87	4502408...	60	4508844...	80	4512834...	269
4055289...	87	4502467...	12, 60	4508877...	14	4512839...	57
4055292...	87	4502468...	12	4508878...	64	4512844...	11
4055383...	73	4502689...	5, 52	4508883...	64	4512866...	69
4055384...	74	4502737...	6, 53	4508941...	21, 66	4512877...	11
4055385...	74	4502738...	5, 53	4508944...	57	4512879...	51
4055386...	75	4502740...	5, 52	4508947...	77	4512982...	12, 59
4055387...	72	4502741...	8, 54	4509035...	68	4513115...	11
4055389...	75	4502930...	14	4509242...	21, 66	4513139...	57
4055406...	36	4503513...	54	4510693...	21, 66	4513204...	60
4054429...	33	4503751...	252	4510774...	77	4513206...	12, 60
4055441...	72	4503956...	5, 52	4510807...	54	4513219...	15
4055537...	37	4504052...	59	4510817...	4, 51	4513221...	15
4055888...	72	4504409...	77	4510833...	60	4513237...	24
4105451...	57	4504454...	57	4510836...	5, 52	4513239...	14
4132688...	103	4504475...	57	4511200...	76	4513273...	22, 67
4250723...	57	4504562...	64	4511201...	77	4513304...	57
4252780...	85	4505260...	60	4511204...	77	4513313...	24
4253346...	57	4505545...	8, 54	4511208...	76	4513322...	269
4253348...	57	4505546...	8, 54	4511213...	76	4513338...	61
4253433...	72	4506163...	80	4511214...	76	4513347...	54
4253653...	23	4506164...	80	4511215...	76	4513348...	54
4253788...	159, 160	4506404...	64	4511217...	77	4513354...	57
4254492...	27	4506508...	83	4511243...	76	4513356...	58
4254597...	14	4506593...	21, 66	4511246...	5, 52	4513359...	14
4254968...	85	4506607...	20, 66	4511248...	5, 52	4513365...	83
4254999...	27	4506725...	15, 61	4511250...	5, 52	4513376...	8, 54
4255000...	27	4506761...	64	4511252...	6, 63	4513379...	16
4255166...	84	4506797...	6, 53	4511255...	57	4513380...	16, 62
4300532...	68	4506798...	6, 53	4511258...	7	4513381...	16, 62
4337504...	85	4506799...	6, 53	4511514...	79	4513382...	16, 62
4337615...	84	4506800...	5, 53	4511629...	22	4513383...	15, 61
4338285...	85	4506801...	5, 53	4511643...	252	4513391...	8
4338295...	85	4506802...	5, 53	4511644...	58	4513397...	14
4338301...	85	4506803...	5, 52	4511645...	58	4513399...	14
4356080...	57	4506804...	5, 52	4511664...	269	4513411...	67

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4513414...	22, 67	4513788...	37	4990524...	44		
4513418...	7	4513791...	24	4990526...	45		
4513419...	7	4513792...	24	4990527...	45		
4513421...	57	4513796...	16, 62	4990528...	45		
4513430...	15	4513799...	13	4990529...	45		
4513466...	14	4513803...	18	4990531...	49		
4513468...	19	4513804...	28	4990532...	45		
4513471...	19	4513806...	18	4990533...	45		
4513476...	28	4513809...	83	4990534...	45		
4513481...	11	4513810...	58	4990535...	45		
4513482...	57	4513811...	57	4990544...	49		
4513485...	59	4513812...	57	4990545...	49		
4513488...	31	4513813...	57	4990549...	49		
4513489...	33	4513863...	10	4990551...	49		
4513502...	16	4513864...	11	4990552...	49		
4513523...	18, 63	4513865...	11	4990553...	50		
4513524...	63	4513898...	21, 66	4990555...	49		
4513526...	18, 63	4513912...	54	4990556...	50		
4513527...	18, 63	4513913...	270	4990558...	50		
4513528...	4	4513918...	84	4990559...	50		
4513529...	58	4513924...	83	4990560...	49		
4513534...	18	4513925...	83	4990561...	49		
4513538...	35, 37, 78	4513950...	20, 65	4990564...	50		
4513539...	78	4513998...	7	4990565...	50		
4513550...	18	4514000...	20	4990567...	49		
4513552...	77	4514017...	68	4990571...	49		
4513553...	77	4514031...	59	4990572...	49		
4513566...	23	4514034...	15, 61	4990574...	49		
4513568...	23	4514058...	9	4990575...	49		
4513569...	23	4514059...	8	4990576...	49		
4513571...	23	4514109...	5, 52	4990577...	49		
4513572...	23	4514110...	5, 52	4990578...	50		
4513575...	5, 52	4514112...	270	4990579...	50		
4513585...	24	4514117...	8	4990580...	50		
4513587...	24	4514135...	83	4990581...	50		
4513592...	269	4514149...	27	4990582...	50		
4513595...	270	4514167...	61	4990585...	49		
4513606...	10	4514177...	15	4990604...	39		
4513621...	15, 61	4514187...	12				
4513630...	63	4514297...	56				
4513632...	16, 62	4514298...	58				
4513642...	19	4514299...	56				
4513672...	35	4514302...	58				
4513673...	35, 37	4514311...	56				
4513674...	60	4514313...	76				
4513678...	84	4514314...	77				
4513680...	53	4514386...	18, 63				
4513686...	58	4514464...	65				
4513687...	56	4514521...	54				
4513688...	56	4514526...	77				
4513692...	84	4514527...	77				
4513694...	85	4514528...	77				
4513695...	84	4514529...	77				
4513696...	85	4514530...	77				
4513697...	83	4514531...	77				
4513698...	56	4514557...	68				
4513700...	11	4514586...	8, 55				
4513701...	84	4514591...	270				
4513703...	64	4514592...	270				
4513706...	85	4514593...	270				
4513709...	68	4514594...	271				
4513712...	23	4514595...	271				
4513713...	85	4514601...	271				
4513714...	85	4514615...	4, 51				
4513716...	85	4514623...	271				
4513721...	11, 58	4514629...	271				
4513722...	18, 63	4514745...	28, 29				
4513723...	58, 265	4514746...	30				
4513725...	77	4514756...	68				
4513726...	77	4514763...	27				
4513727...	77	4748253...	18				
4513728...	77	4990508...	44				
4513729...	77	4990511...	44				
4513730...	77	4990512...	44				
4513733...	69	4990513...	44				
4513734...	270	4990514...	44				
4513737...	58	4990516...	44				
4513744...	85	4990517...	44				
4513745...	10	4990518...	44				
4513748...	10	4990519...	45				
4513755...	57	4990521...	44				
4513776...	85	4990522...	44				
4513780...	11, 270	4990523...	44				