



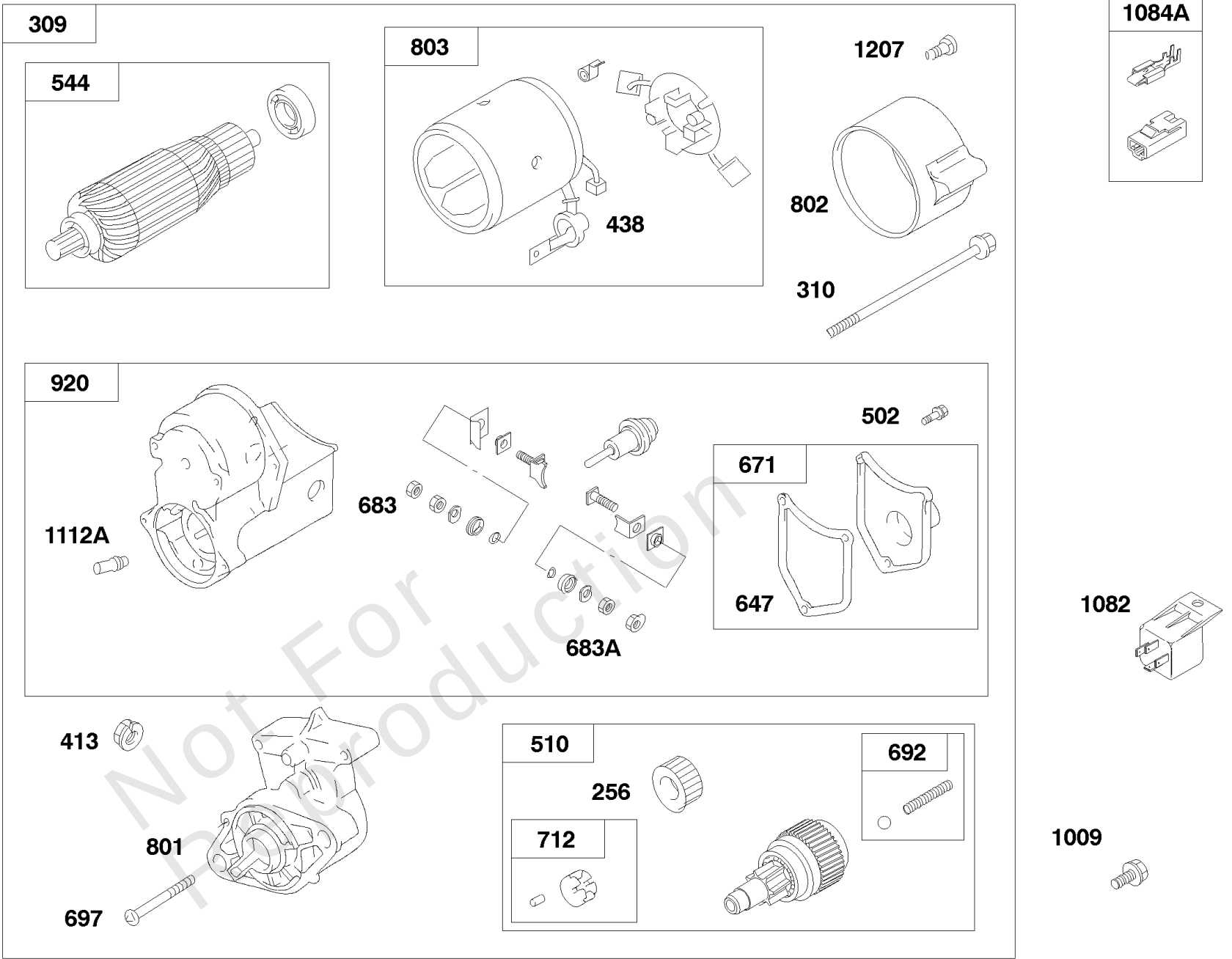
Parts Manual

Mfg. No: 432447-0205-E2

Model Components	Page
1.0 KW Starter Motor.	4
1.2 KW Starter Motor.	6
40 Amp Alternator.	8
Cylinder, Oil Filter, Retainer Seal.	10
Engine Gasket Set, Valve Gasket Set.	12
Exhaust Manifold, Intake Manifold.	14
Fan, Water Pump, Thermostat, Vee Belt.	16
Fuel Filter, Injection Pump.	18
Gear Cover.	20
Gear Housing.	22
Head, Rocker Cover, Labels.	24
Label Kit, Emissions Label, Repair Manual.	26
Oil Pan, Oil Pump Screen.	28
Piston, Crankshaft, Flywheel.	30
Replacement Engine - US & Canada.	32
Rocker Arm, Valve Assembly.	33

Not For
Reproduction

1.0 KW GREEN or BLUE LABEL

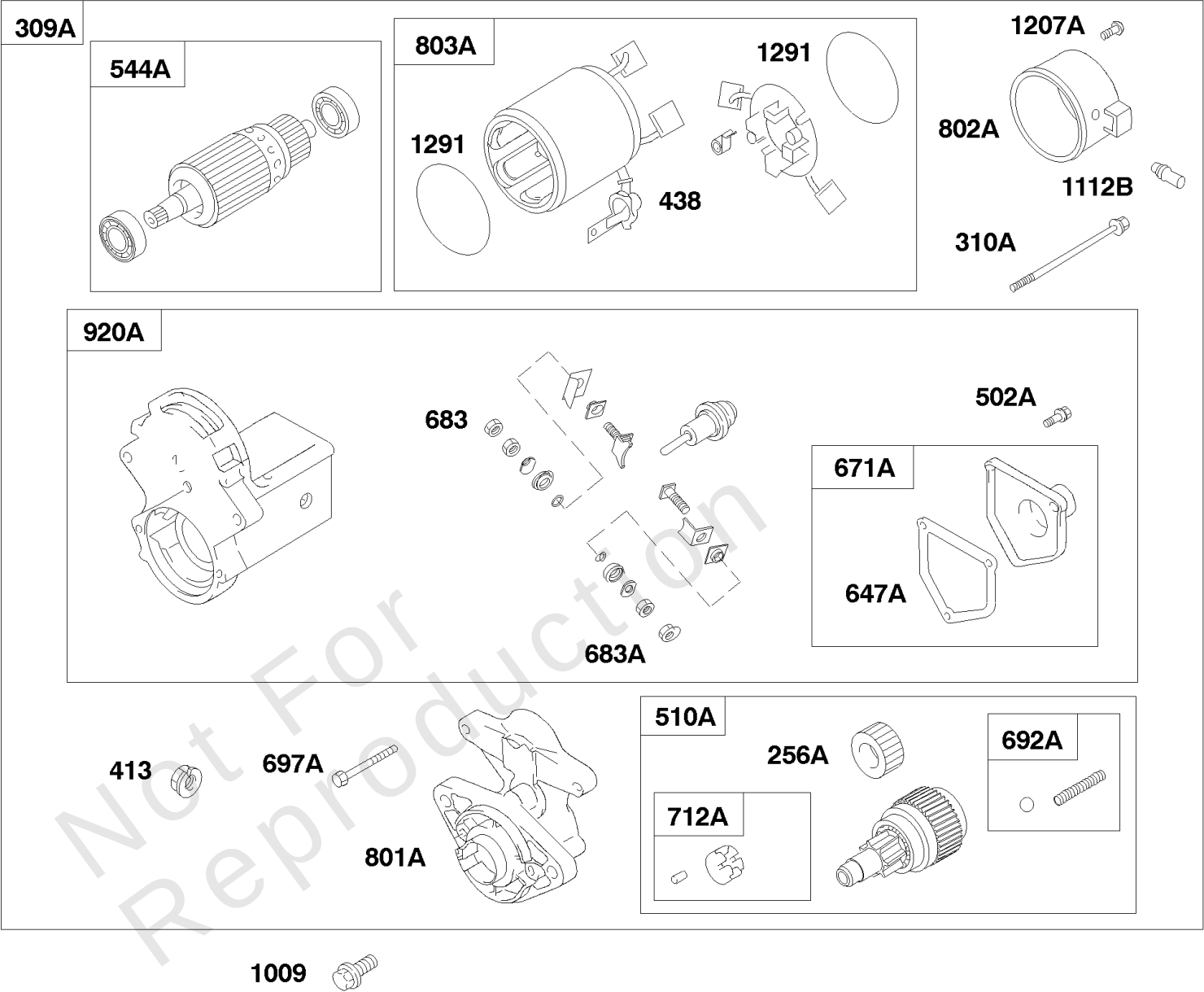


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256	820745	Gear-Starter Drive	510	825394	Drive-Starter	801	825396	Cap-Drive
309		Motor-Starter	544	825392	Armature-Starter	802	820743	Cap-End
		(For Replacment	647	820733	Gasket-Solenoid	803	825399	Housing-Starter
		Starter Motor, Order			Cover			(Includes Brushes,
		Reference 309A)	671	825400	Cover-Solenoid			Springs and Brush
310	820755	Bolt	683	820723	Nut	920	825398	Solenoid-Starter
		(Starter Motor)			(Starter Solenoid)	1009	820019	Screw
413	820067	Nut			(Terminal)			(Starter Motor)
		(Starter Motor)	683A	820721	Nut	1082	820455	Relay-Starter
438	820725	Boot-Terminal			(Starter Solenoid)	1084A	825266	Connector-Terminal
502	820739	Screw			(Terminal)	1112A	820737	Plug-Vent
		(Solenoid Cover)	692	825425	Spring-Detent	1207	820754	Screw
			697	820751	Screw			(End Cap)
					(Drive Cap)			
			712	825424	Roller-Clutch			

1.0 KW Starter Motor

REF NO	PART NO	QTY	DESCRIPTION
256	820745		GEAR, Starter Drive
309	-----		Motor-Starter -(For Replacement Starter Motor, Order Reference 309A)
310	820755		SCREW -(Starter Motor)
413	820067		NUT -(Starter Motor)
438	820725		BOOT, Terminal
502	820739		SCREW -(Solenoid Cover)
510	825394		DRIVE, Starter
544	825392		ARMATURE, Starter
647	820733		GASKET, Solenoid Cover
671	825400		COVER, Solenoid
683	820723		NUT -(Starter Solenoid) (Terminal)
683A	820721		NUT -(Starter Solenoid) (Terminal)
692	825425		SPRING, Detent
697	820751		SCREW -(Drive Cap)
712	825424		ROLLER, Clutch
801	825396		CAP, Drive
802	820743		CAP, End
803	825399		HOUSING, Starter -(Includes Brushes, Springs and Brush Retainer)
920	825398		SOLENOID, Starter
1009	820019		SCREW -(Starter Motor)
1082	820455		RELAY, Starter
1084A	825266		CONNECTOR, Terminal
1112A	820737		PLUG, Vent
1207	820754		SCREW -(End Cap)

1.2KW PURPLE/BROWN LABEL



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256A	820767	Gear-Starter Drive	647A	820719	Gasket-Solenoid Cover	712A	825401	Roller-Clutch
309A	825700	Motor-Starter	671A	825422	Cover-Solenoid	801A	825408	Cap-Drive
310A	820773	Bolt (Starter Motor)	683	820723	Nut (Starter Solenoid) (Terminal)	802A	820771	Cap-End
413	820067	Nut (Starter Motor)	683A	820721	Nut (Starter Solenoid) (Terminal)	803A	825423	Housing-Starter
438	820725	Boot-Terminal	692A	825402	Spring-Detent	920A	825410	Solenoid-Starter
502A	820763	Screw (Solenoid Cover)	697A	820777	Screw (Drive Cap)	1009	820019	Screw (Starter Motor)
510A	825406	Drive-Starter				1112B	820779	Plug-Vent
544A	825404	Armatutre-Starter				1207A	820775	Screw (End Cap)
						1291	820769	Seal-O Ring (Starter Housing)

1.2 KW Starter Motor

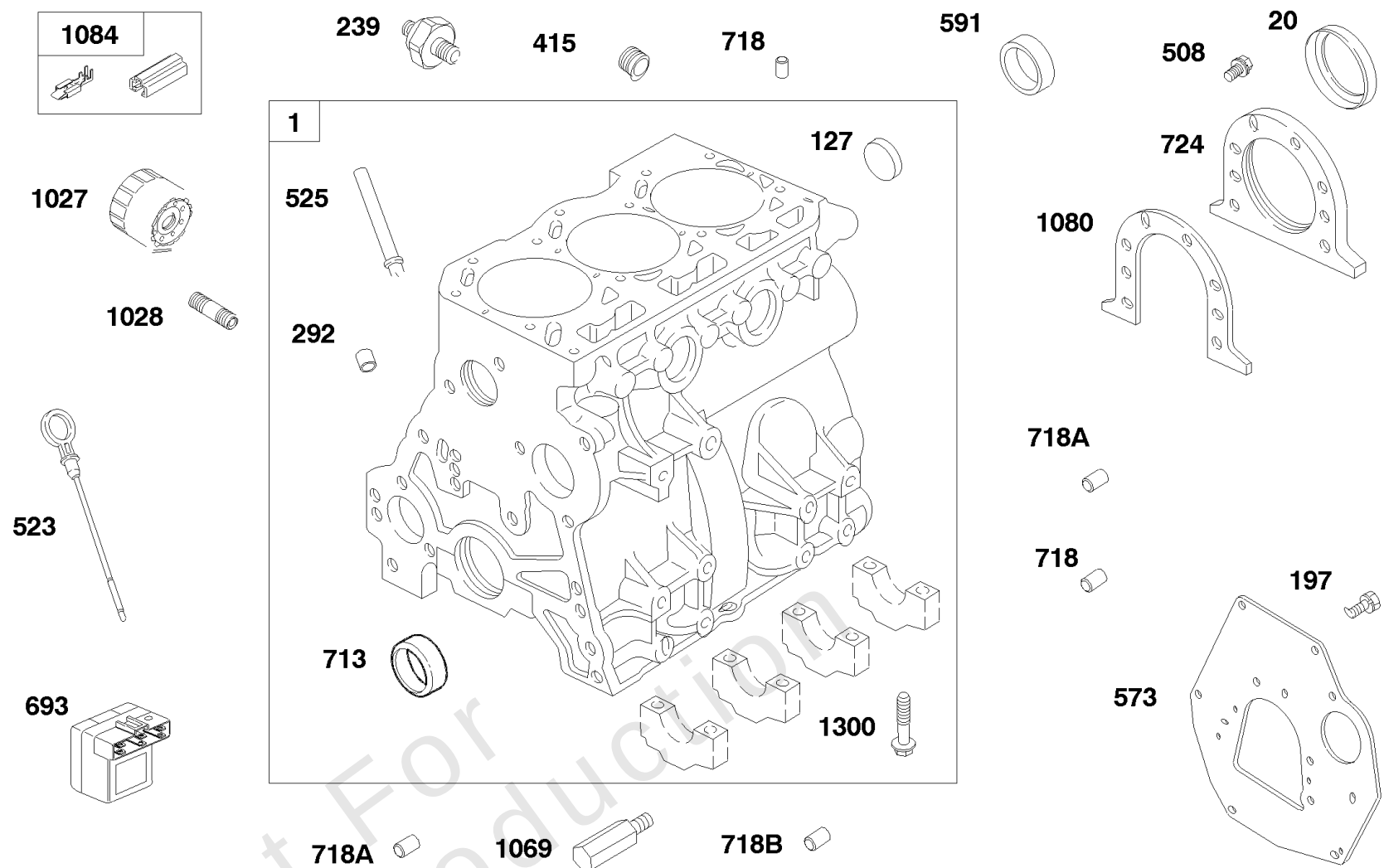
REF NO	PART NO	QTY	DESCRIPTION
256A	820767		GEAR, Starter Drive
309A	825700		MOTOR, Starter -(1.2 KW)(Purple/Brown Label)
310A	820773		SCREW -(Starter Motor)
413	820067		NUT -(Starter Motor)
438	820725		BOOT, Terminal
502A	820763		SCREW -(Solenoid Cover)
510A	825406		DRIVE, Starter
544A	825404		ARMATURE, Starter
647A	820719		GASKET, Solenoid Cover
671A	825422		COVER, Solenoid
683	820723		NUT -(Starter Solenoid) (Terminal)
683A	820721		NUT -(Starter Solenoid) (Terminal)
692A	825402		SPRING, Detent
697A	820777		SCREW -(Drive Cap)
712A	825401		ROLLER, Clutch
801A	825408		CAP, Drive
802A	820771		CAP, End
803A	825423		HOUSING, Starter
920A	825410		SOLENOID, Starter
1009	820019		SCREW -(Starter Motor)
1112B	820779		PLUG, Vent
1207A	820775		SCREW -(End Cap)
1291	820769		SEAL, O-Ring -(Starter Housing)

This diagram illustrates the exploded view of a vehicle headlight assembly. The components are labeled with numbers, and dashed lines indicate their assembly relationships. The main headlight housing is labeled 1204. Other components include the lens (314), mounting bracket (668B), and various fasteners like bolts (1203, 1205, 1202, 1202A, 1201, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868

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40 Amp Alternator

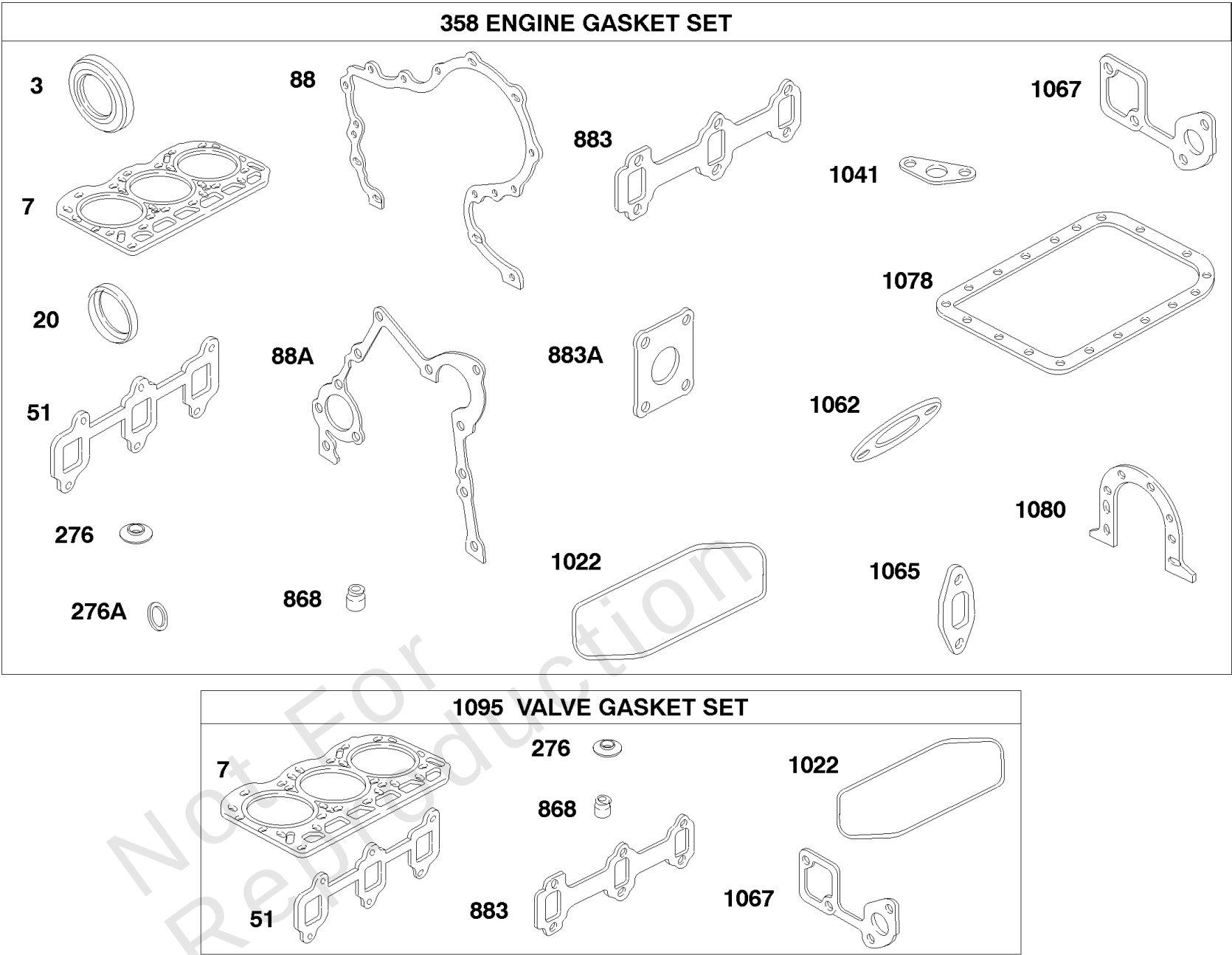
REF NO	PART NO	QTY	DESCRIPTION
312	820692		HOUSING, Brush End
314	820711		PULLEY, Alternator
379	820703		COVER, Brush
474	825084		ALTERNATOR -(40 Amp)
475	825385		RECTIFIER
501	825388		REGULATOR
526	820702		SCREW -(Regulator)
530	825383		HOUSING, Drive End
606	820819		STRAP, Adjusting
636	820069		NUT -(Starting Switch)
652B	820275		SCREW -(Support Bracket)
668B	820713		SPACER
699	825390		ROTOR ASSEMBLY
890B	820213		BRACKET, Support
1010	825384		RETAINER, Bearing
1084B	825157		CONNECTOR-TERMINAL
1090	825387		RETAINER, Brush
1119	820483		SCREW -(Alternator)
1119A	820270		SCREW -(Alternator)
1150	820023		SCREW -(Adjusting Strap)
1201	820715		SCREW -(Brush Cover)
1202	820701		SCREW -(Brush Retainer)
1202A	820702		SCREW -(Brush Retainer)
1203	820702		SCREW -(Stator Wire)
1204	820705		NUT -(Alternator Pulley)
1205	820707		SCREW -(Brush End Housing)
1206	820709		NUT -(Brush End Housing)
1307	820690		STUD -(Drive End Housing)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	825333	Cylinder Assembly (9 mm Head Bolts) (Used After Code Date 98123100). ----- Note ----- 825027 Cylinder Assembly (8 mm Head Bolts) (Used Before Code Date 99010100).	415	820375	Plug (Cylinder)	713	821299	Bushing-Camshaft
20	821073	Seal-Oil (PTO Side)	508	820031	Screw (Seal Retainer)	718	820063	Pin-Locating
127	820004	Plug-Welch	523	821158	Dipstick ----- Note ----- 820572 Dipstick Used on Type No(s). 0376.	718A	820062	Pin-Locating
197	820176	Screw (Back Plate)	525	820144	Tube-Dipstick	718B	820061	Pin-Locating
239	821135	Switch-Oil Pressure	573	820170	Plate-Back	724	820146	Retainer-Seal
292	820662	Collar-Dipstick Tube	591	821069	Plug-Camshaft	1027	820314	Filter-Oil
			693	820373	Module-Pre Heat	1028	820851	Adapter-Oil Filter
						1069	820102	Nozzle-Oil
						1080	820145	Gasket-Seal Retainer
						1084	825154	Connector-Terminal
						1300	820042	Screw (Crankshaft Bearing Cap)

Cylinder, Oil Filter, Retainer Seal

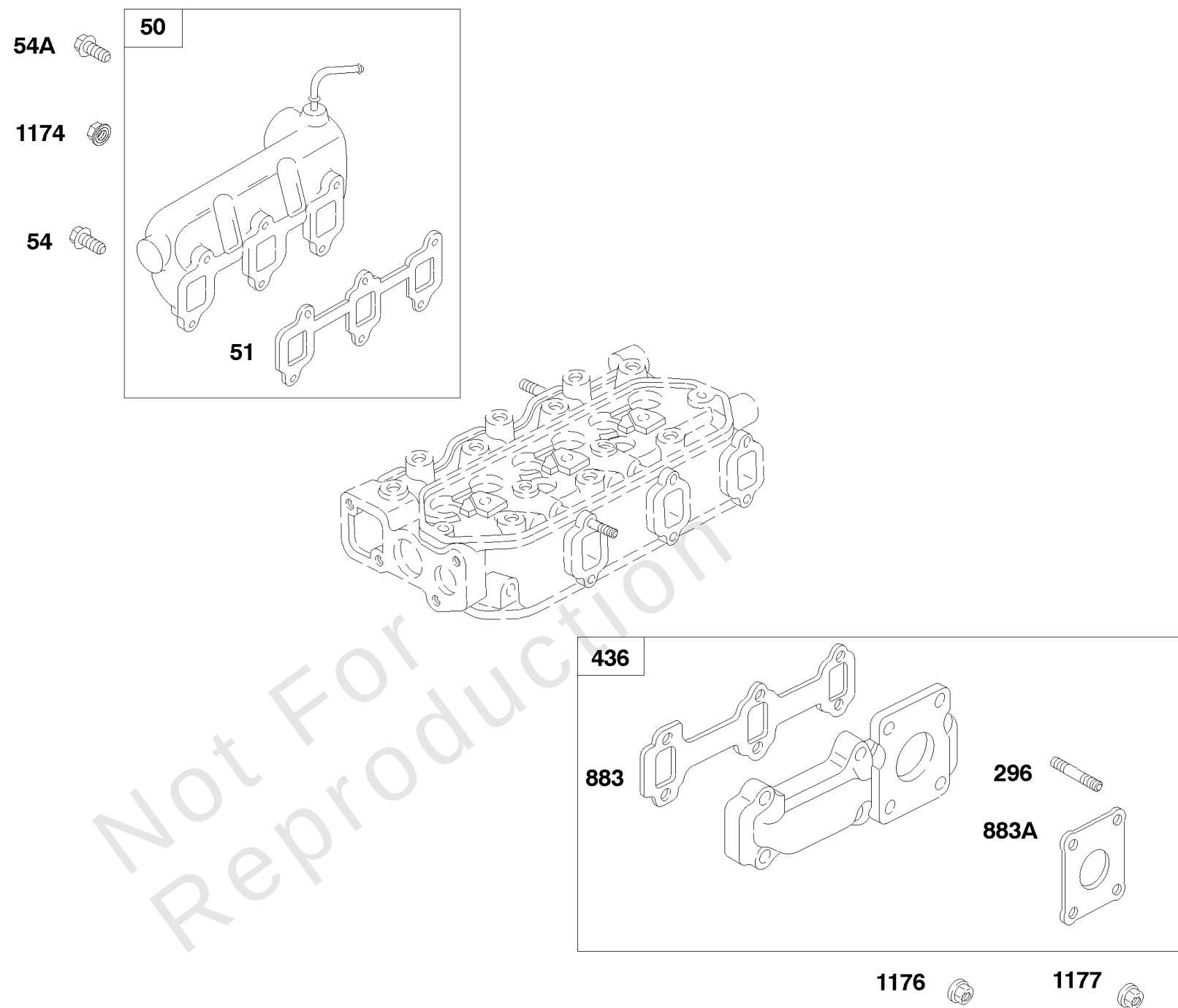
REF NO	PART NO	QTY	DESCRIPTION
1	825027		CYLINDER ASSEMBLY -(8 mm Head Bolts) -Used Before Code Date 99010100
1	825333		CYLINDER ASSEMBLY -(9 mm Head Bolts) -Used After Code Date 98123100
20	821073		SEAL, Oil -(PTO Side)
127	820004		PLUG, Welch
197	820176		SCREW -(Back Plate)
239	821135		SWITCH, Oil Pressure
292	820662		COLLAR, Dipstick Tube
415	820375		PLUG -(Cylinder)
508	820031		SCREW -(Seal Retainer)
523	821158		DIPSTICK
525	820144		TUBE, Dipstick
573	820170		PLATE, Back
591	821069		PLUG, Camshaft
693	820373		MODULE, Pre Heat
713	821299		BUSHING, Camshaft
718	820063		PIN, Locating
718A	820062		PIN, Locating
718B	820061		PIN, Locating
724	820146		RETAINER, Seal
1027	820314		FILTER, Oil
1028	820851		ADAPTER, Oil Filter
1069	820102		NOZZLE, Oil
1080	820145		GASKET, Seal Retainer
1084	825154		CONNECTOR, Terminal
1300	820042		SCREW -(Crankshaft Bearing Cap)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821071	Seal-Oil (Magneto Side)	276	820064	Washer-Sealing (Rocker Cover)	1022	820150	Gasket-Rocker Cover
7	820621	Gasket-Cylinder Head (Used After Code Date 98123100). ----- Note ----- 820350 Gasket-Cylinder Head (Used Before Code Date 99010100).	276A	820582	Washer-Sealing (Oil Drain Plug) (16 mm)	1041	820104	Gasket-Oil Pump Screen
20	821073	Seal-Oil (PTO Side)	358	825212	Gasket Set-Engine	1062	820093	Gasket-Outlet Housing
51	820407	Gasket-Intake	868	820405	Seal-Valve	1065	820098	Gasket-Inlet Housing
88	820377	Gasket-Gear Reduction Cover	883	820817	Exhaust Gasket (Manifold)	1067	820100	Gasket-Water Pump
88A	820155	Gasket-Gear Reduction Cover	883A	821001	Exhaust Gasket (Muffler)	1078	820137	Gasket-Oil Pan
						1080	820145	Gasket-Seal Retainer
						1095	825213	Gasket Set-Valve

Engine Gasket Set, Valve Gasket Set

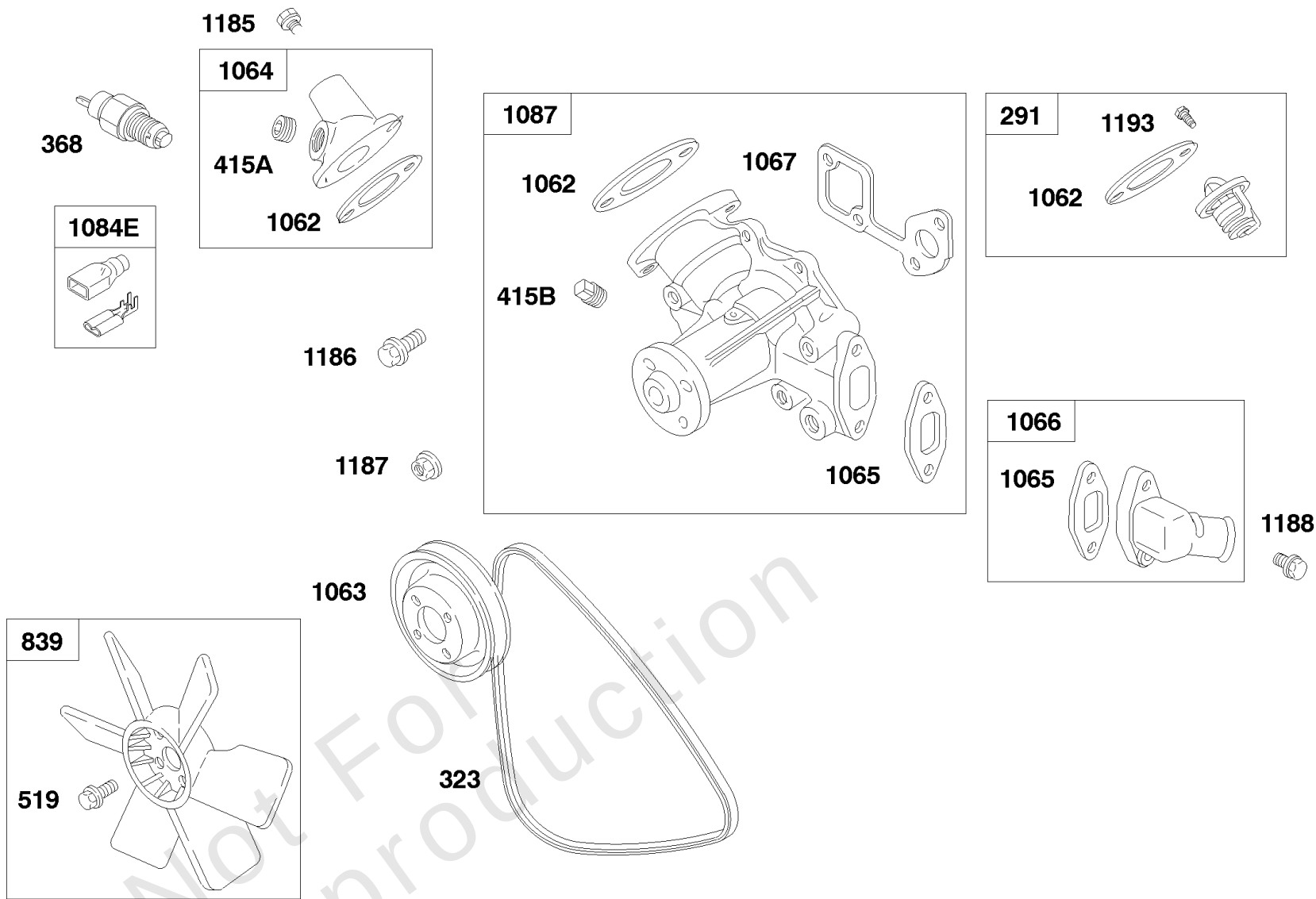
REF NO	PART NO	QTY	DESCRIPTION
3	821071		SEAL, Oil -(Magneto Side) (PTO Side)
7	820621		GASKET, Cylinder Head -Used After Code Date 98123100
7	820350		GASKET, Cylinder Head -Used Before Code Date 99010100
20	821073		SEAL, Oil -(PTO Side)
51	820407		GASKET, Intake
88	820377		GASKET, Gear Cover/Housing
88A	820155		GASKET, Gear Cover/Housing
276	820064		WASHER, Sealing -(Rocker Cover)
276A	820582		WASHER, Sealing -(Oil Drain Plug)(16mm)
276A	820049		WASHER, Sealing -(Oil Drain Plug)(12 mm)
358	825212		GASKET SET, Engine
868	820405		SEAL, Valve
883	820817		GASKET, Exhaust -(Manifold)
883A	821001		GASKET, Exhaust -(Muffler)
1022	820150		GASKET, Rocker Cover
1041	820104		GASKET, Oil Pump Screen
1062	820093		GASKET, Outlet Housing
1065	820098		GASKET, Inlet Housing
1067	820100		GASKET, Water Pump
1078	820137		GASKET, Oil Pan
1080	820145		GASKET, Seal Retainer
1095	825213		GASKET SET, Valve



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
50	825175	Manifold-Intake	436	825055	Manifold-Exhaust	1174	820069	Nut (Intake Manifold)
51	820407	Gasket-Intake	883	820817	Gasket-Exhaust (Manifold)	1176	820010	Nut (Exhaust Manifold)
54	820031	Screw (Intake Manifold)	883A	821001	Gasket-Exhaust (Muffler)	1177	820178	Nut (Muffler)
54A	820408	Screw (Intake Manifold)						
296	820553	Stud (Muffler)						

Exhaust Manifold, Intake Manifold

REF NO	PART NO	QTY	DESCRIPTION
50	825175		MANIFOLD, Intake
51	820407		GASKET, Intake
54	820031		SCREW -(Intake Manifold)
54A	820408		SCREW -(Intake Manifold)
296	820553		STUD -(Muffler)
436	825055		MANIFOLD, Exhaust
883	820817		GASKET, Exhaust -(Manifold)
883A	821001		GASKET, Exhaust -(Muffler)
1174	820069		NUT -(Intake Manifold)
1176	820010		NUT -(Exhaust Manifold)
1177	820178		NUT -(Muffler)



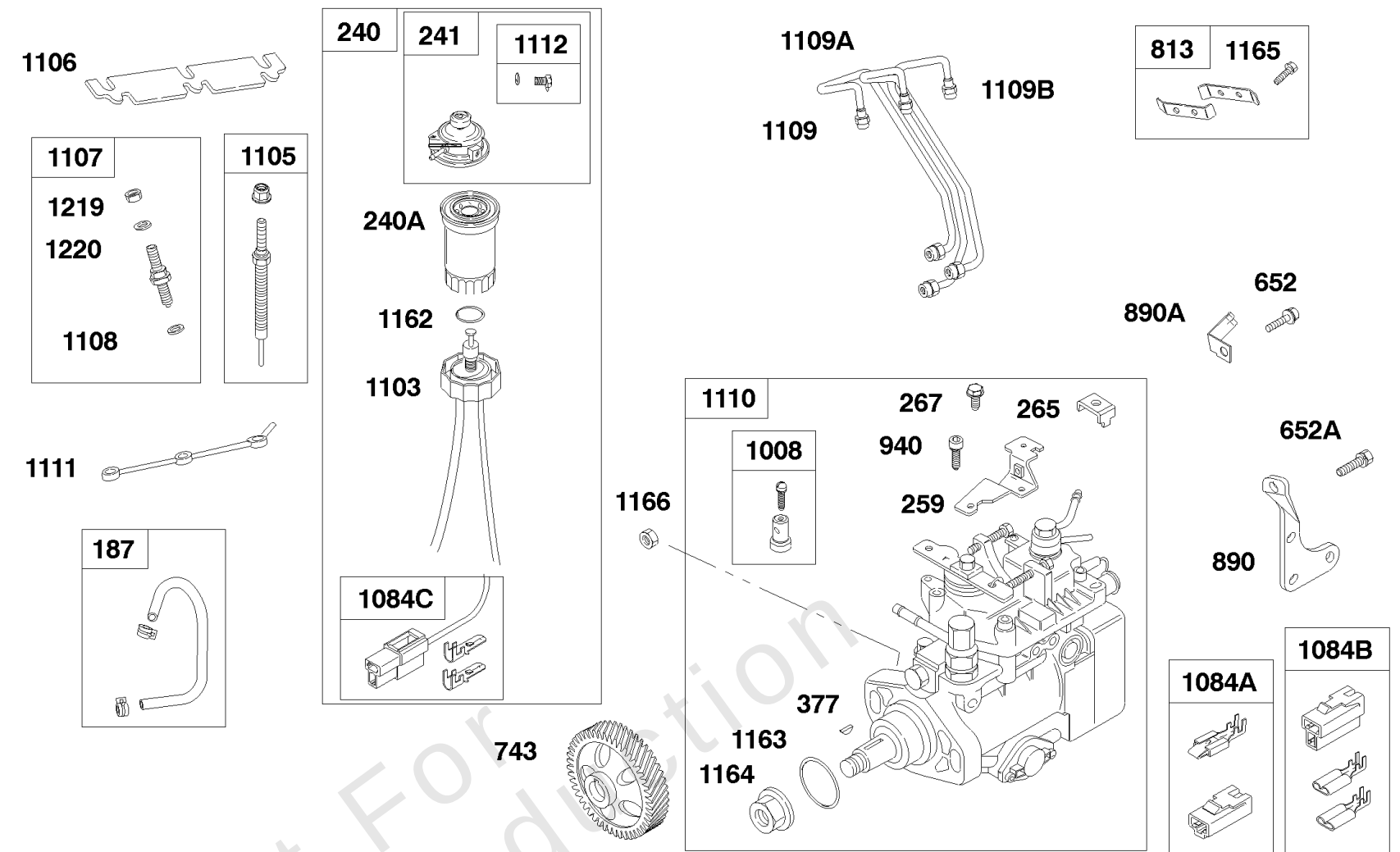
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
291	825064	Thermostat	1062	820093	Gasket-Outlet Housing	1185	820031	Screw (Outlet Housing)
323	820239	Belt-Vee	1063	820095	Pulley-Pump	1186	820022	Screw (Water Pump)
368	820208	Switch-Water Temperature	1064	825074	Housing-Outlet	1187	820181	Nut (Water Pump)
415A	820052	Plug (Outlet Housing)	1065	820098	Gasket-Inlet Housing	1188	820031	Screw (Inlet Housing)
415B	820182	Plug (Water Pump)	1066	825051	Housing-Inlet	1193	820185	Screw (Thermostat)
519	820034	Screw (Radiator Fan)	1067	820100	Gasket-Water Pump			
839	825223	Fan-Radiator	1084E	825160	Terminal Connector			
		----- Note -----	1087	825265	Pump-Water			
		825538 Fan-Radiator						
		Used on Type No(s). 0376.						

Fan, Water Pump, Thermostat, Vee Belt

REF NO	PART NO	QTY	DESCRIPTION
291	825064		THERMOSTAT
323	820239		BELT, Vee
368	820208		SWITCH, Water Temperature
415A	820052		PLUG -(Outlet Housing)
415B	820182		PLUG -(Water Pump)
519	820034		SCREW -(Radiator Fan)
839	825223		FAN, Radiator
839	825538		FAN, Radiator
1062	820093		GASKET, Outlet Housing
1063	820095		PULLEY, Pump
1064	825074		HOUSING, Outlet
1065	820098		GASKET, Inlet Housing
1066	825051		HOUSING, Inlet
1067	820100		GASKET, Water Pump
1084E	825160		CONNECTOR, Terminal
1087	825265		PUMP, Water
1185	820031		SCREW -(Outlet Housing)
1186	820022		SCREW -(Water Pump)
1187	820181		NUT -(Water Pump)
1188	820031		SCREW -(Inlet Housing)
1193	820185		SCREW -(Thermostat)

Fuel Filter, Injection Pump

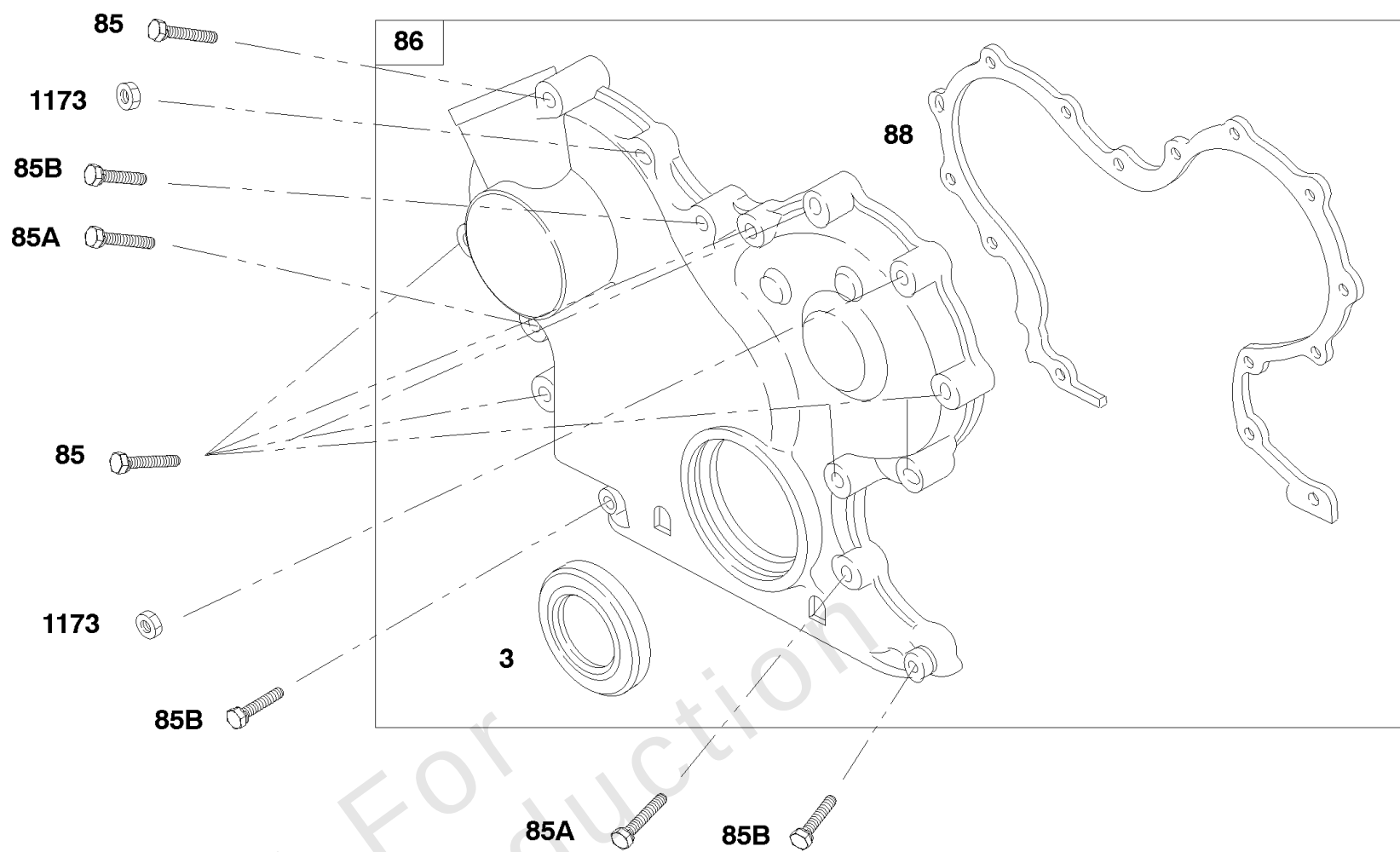
Mfg. No: 432447-0205-E2



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
187	825179	Line-Fuel	743	820619	Gear-Drive (Injection Pump)	1107	825178	Nozzle-Injector
240	825219	Filter-Fuel			(Injection Pump)	1108	820411	Seat-Injector
240A	820311	Filter-Fuel (Includes Reference 1162)			(Right Helix) (Used After Code Date 98123100).	1109	825181	Pipe-Injector #1
241	821251	Cover-Fuel Filter (Includes Reference 1112)			----- Note -----	1109A	825182	Pipe-Injector #2
259	820634	Bracket-Casing Clamp			820416 Gear-Drive (Injection Pump)	1109B	825183	Pipe-Injector #3
265	691024	Clamp-Casing			(Left Helix) (Used Before Code Date 99010100).	1110	825430	Pump-Injection
267	820012	Screw (Casing Clamp)	813	825197	Clamp	1111	820412	Pipe-Fuel Return
377	821064	Key-Woodruff	890	820415	Bracket-Support	1112	825198	Plug-Vent
652	820593	Screw (Support Bracket)	890A	820479	Bracket-Support	1162	820348	Seal-O Ring (Fuel Filter Sensor)
652A	820180	Screw (Support Bracket)	940	820640	Screw (Casing Clamp Bracket)	1163	820414	Seal-O Ring (Injection Pump)
			1008	820467	Clamp-Swivel	1164	820419	Nut (Injection Pump)
			1084A	825266	Connector-Terminal	1165	820031	Screw (Clamp)
			1084B	825157	Connector-Terminal	1166	820417	Nut (Injection Pump)
			1084C	825156	Connector-Terminal	1219	820829	Nut (Injector Nozzle)
			1103	820347	Sensor-Fuel Filter (Includes Reference 1162)	1220	820831	Washer (Injector Nozzle)
			1105	825176	Plug-Glow			
			1106	820409	Strap-Glow Plug			

Fuel Filter, Injection Pump

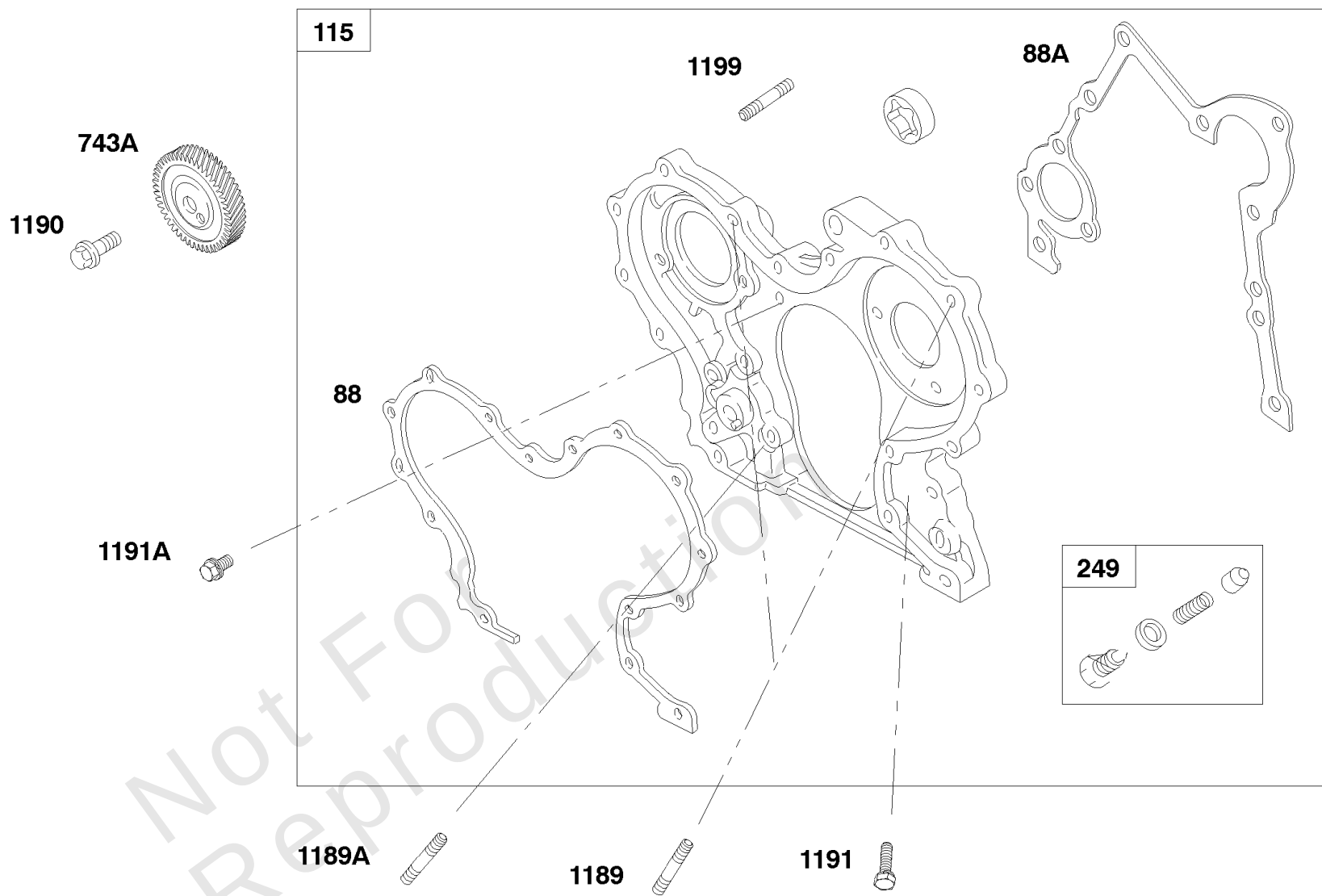
REF NO	PART NO	QTY	DESCRIPTION
187	825179		LINE, Fuel
240	825219		FILTER, Fuel
240A	820311		FILTER, Fuel -(Includes Reference 1162)
241	821251		COVER, Fuel Filter -(Includes Reference 1112)
259	820634		BRACKET, Casing Clamp
265	691024		CLAMP, Casing
267	820012		SCREW -(Casing Clamp)
309	-----		Motor-Starter -(For Replacement Starter Motor, Order Reference 309A)
377	821064		KEY, Woodruff
652	820593		SCREW -(Support Bracket)
652A	820180		SCREW -(Support Bracket)
743	820619		GEAR, Drive -(Injection Pump) (Right Helix)
743	820416		GEAR, Drive -(Injection Pump) (Left Helix)
813	825197		CLAMP
890	820415		BRACKET, Support
890A	820479		BRACKET, Support
940	820640		SCREW -(Casing Clamp Bracket)
1008	820467		CLAMP, Swivel
1084A	825266		CONNECTOR, Terminal
1084B	825157		CONNECTOR-TERMINAL
1084C	825156		CONNECTOR, Terminal
1103	820347		SENSOR, Fuel Filter -(Includes Reference 1162)
1105	825176		PLUG, Glow
1106	820409		STRAP, Glow Plug
1107	825178		NOZZLE, Injector
1108	820411		SEAT, Injector
1109	825181		PIPE, Injector
1109A	825182		PIPE, Injector
1109B	825183		PIPE, Injector
1110	825430		PUMP, Fuel Injection
1111	820412		PIPE, Fuel Return
1112	825198		PLUG, Vent
1162	820348		SEAL, O-Ring -(Fuel Filter Sensor)
1163	820414		SEAL, O-Ring -(Injection Pump Shaft) (Shaft)
1164	820419		NUT -(Injection Pump Shaft)
1165	820031		SCREW -(Clamp)
1166	820417		NUT -(Injection Pump)
1219	820829		NUT -(Injector Nozzle)
1220	820831		WASHER -(Injector Nozzle)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821071	Seal-Oil (Magneto Side)	85	820425	Screw (Gear Cover to Gear Reduction Case)	86	825185	Cover-Gear
			85A	820029	Screw (Gear Cover to Gear Reduction Case)	88	820377	Gasket-Gear Reduction Cover
			85B	820027	Screw (Gear Cover to Gear Reduction Case)	1173	820069	Nut (Gear Cover)

Gear Cover

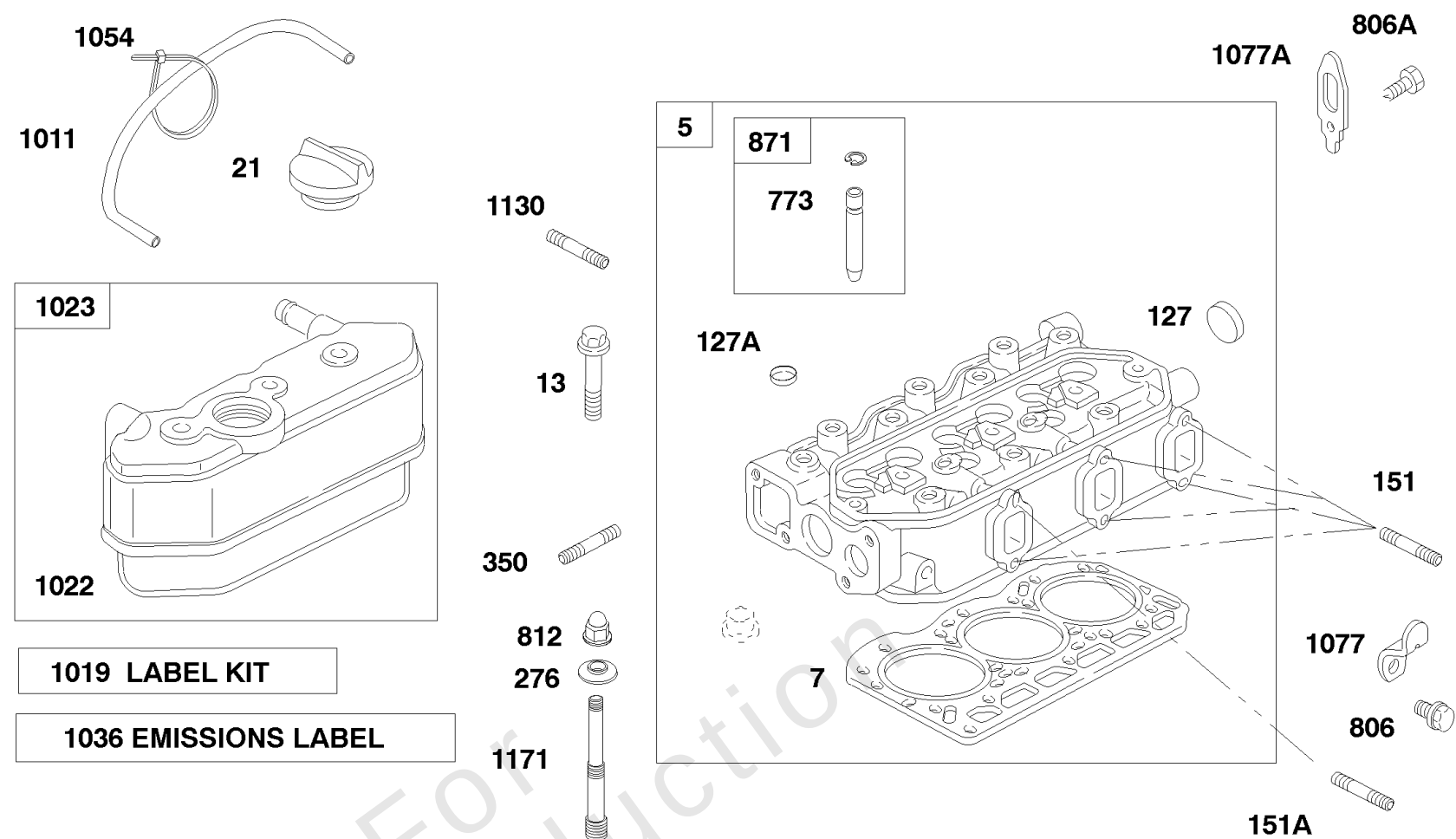
REF NO	PART NO	QTY	DESCRIPTION
3	821071		SEAL, Oil -(Magneto Side) (PTO Side)
85	820425		SCREW -(Gear Cover to Gear Reduction Case)
85A	820029		SCREW -(Gear Cover to Gear Reduction Case)
85B	820027		SCREW -(Gear Cover to Gear Reduction Case)
86	825185		COVER, Gear
88	820377		GASKET, Gear Cover/Housing
1173	820069		NUT -(Gear Cover)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
88	820377	Gasket-Gear Reduction Cover	743A	820615	Gear-Drive (Gear Housing) (Right Helix) (Used After Code Date 98123100).	1189	820156	Stud (Gear Housing)
88A	820155	Gasket-Gear Reduction Cover				1189A	820016	Stud (Gear Housing)
115	825186	Housing-Gear				1190	820180	Screw (Drive Gear)
249	825032	Valve-Pressure Relief			----- Note ----- 820121 Gear-Drive (Gear Housing) (Left Helix) (Used Before Code Date 99010100).	1191	820030	Screw (Gear Housing)
						1191A	820033	Screw (Gear Housing)
						1199	820426	Stud (Injection Pump)

Gear Housing

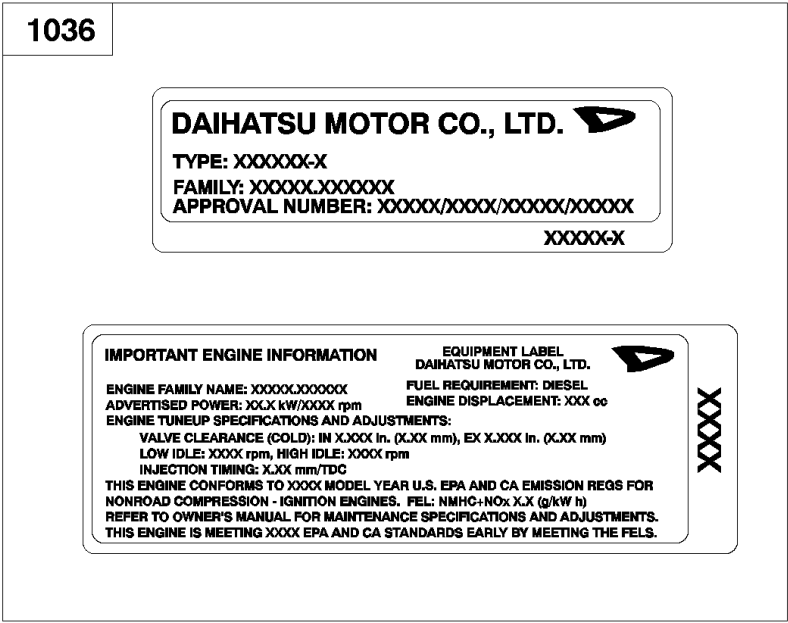
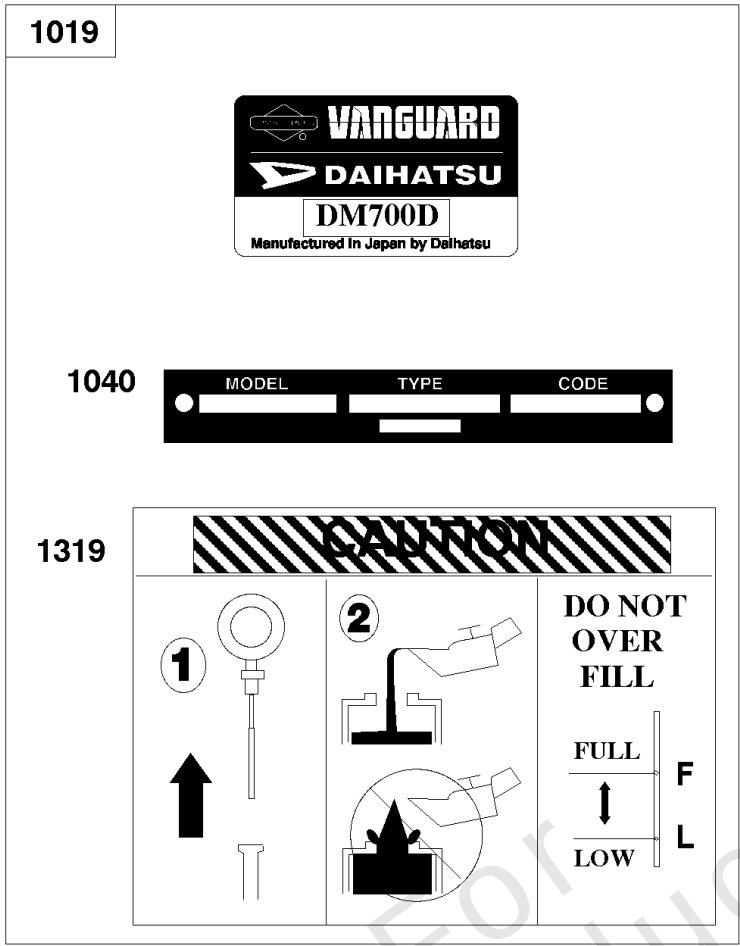
REF NO	PART NO	QTY	DESCRIPTION
88	820377		GASKET, Gear Cover/Housing
88A	820155		GASKET, Gear Cover/Housing
115	825186		HOUSING, Gear
249	825032		VALVE, Pressure Relief
743A	820615		GEAR, Drive -(Gear Housing) (Right Helix) -Used After Code Date 98123100
743A	820121		GEAR, Drive -(Gear Housing) (Left Helix) -Used Before Code Date 99010100
1189	820156		STUD -(Gear Housing)
1189A	820016		STUD -(Gear Housing)
1190	820180		SCREW -(Drive Gear)
1191	820030		SCREW -(Gear Housing)
1191A	820033		SCREW -(Gear Housing)
1199	820426		STUD -(Injection Pump)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
5	825691	Head-Cylinder (9mm Head Bolts) (Used After Code Date 98123100). ----- Note ----- Head-Cylinder (8mm Head Bolts) (NO LONGER AVAILABLE) (Used Before Code Date 99010100).	13	820623	Screw (Cylinder Head) (9mm) (Used After Code Date 98123100). ----- Note ----- 820074 Screw (Cylinder Head) (8mm) (Used Before Code Date 99010100).	806	820024	Screw (Lifting Bracket)
7	820621	Gasket-Cylinder Head (Used After Code Date 98123100). ----- Note ----- 820350 Gasket-Cylinder Head (Used Before Code Date 99010100).	21	825024	Cap-Oil Fill	806A	820212	Screw (Lifting Bracket)
			127	820004	Plug-Welch	812	820071	Nut (Rocker Cover)
			127A	820005	Plug-Welch	871	825030	Bushing-Valve Guide
			151	820014	Stud (Exhaust Manifold)	1011	821003	Tube-Vent
			151A	820466	Stud (Exhaust Manifold)	1019	825687	Kit-Label
			276	820064	Washer-Sealing (Rocker Cover)	1022	820150	Gasket-Rocker Cover
			350	820078	Stud (Water Pump)	1023	825672	Cover-Rocker (Order Reference 1019, Label Kit and Reference 1036, Emissions Label for your Model, Type, Trim)
			773	820130	Retainer (Valve Guide Bushing)	1036	825660	Label-Emissions (Available from A Briggs & Stratton Service Dealer)
						1054	280275	Tie-Cable
						1077	820260	Bracket-Lifting
						1077A	820254	Bracket-Lifting
						1130	820015	Stud (Intake Manifold)
						1171	820076	Stud

Head, Rocker Cover, Labels

REF NO	PART NO	QTY	DESCRIPTION
5	825691		HEAD, Cylinder -(9 mm Head Bolts) -Used After Code Date 98123100
5	-----		Head-Cylinder -(8mm Head Bolts) (NO LONGER AVAILABLE) -Used Before Code Date 99010100
7	820621		GASKET, Cylinder Head -Used After Code Date 98123100
7	820350		GASKET, Cylinder Head -Used Before Code Date 99010100
13	820074		SCREW -(Cylinder Head) (8 mm) -Used Before Code Date 99010100
13	820623		SCREW -(Cylinder Head) (9 mm) -Used After Code Date 98123100
21	825024		CAP, Oil Fill
127	820004		PLUG, Welch
127A	820005		PLUG, Welch
151	820014		STUD -(Exhaust Manifold)
151A	820466		STUD -(Exhaust Manifold)
276	820064		WASHER, Sealing -(Rocker Cover)
350	820078		STUD -(Water Pump)
773	820130		RETAINER -(Valve Guide Bushing)
806	820024		SCREW -(Lifting Bracket)
806A	820212		SCREW -(Lifting Bracket)
812	820071		NUT -(Rocker Cover)
871	825030		BUSHING, Valve Guide
1011	821003		TUBE, Vent
1019	825687		KIT, Label
1022	820150		GASKET, Rocker Cover
1023	825672		COVER, Rocker -(Order Reference 1019, Label Kit, and Reference 1036, Emissions Label, for your Model, Type, Trim with Engine Date Code)
1036	-----		Label-Emissions -(Available From A Briggs & Stratton Authorized Dealer)
1054	280275		TIE, Cable
1077	820260		BRACKET, Lifting
1077A	820254		BRACKET, Lifting
1130	820015		STUD -(Intake Manifold)
1171	820076		STUD -(Rocker Cover)

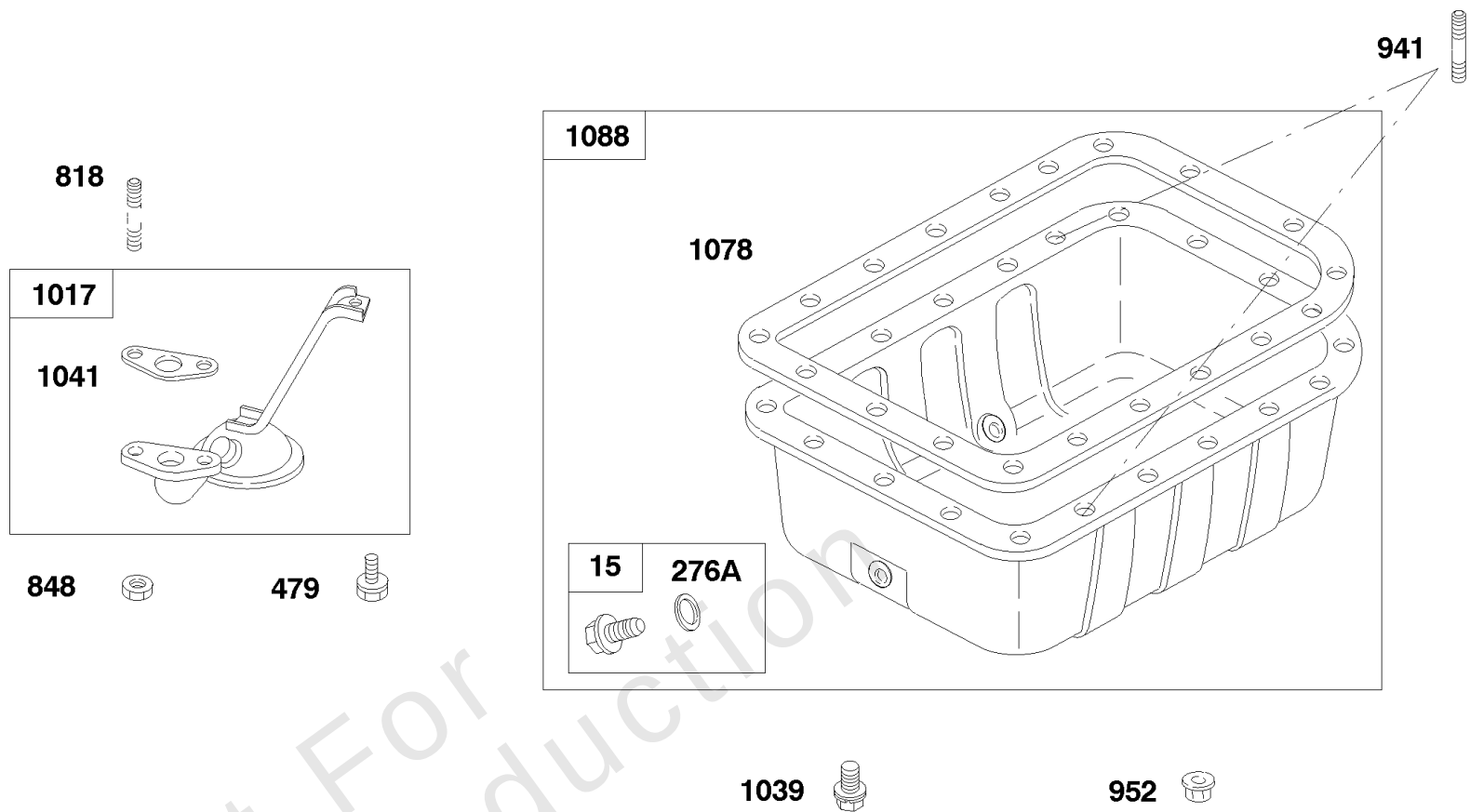


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1019	825687	Kit-Label	1036		Label-Emissions (Available from Authorized Briggs & Stratton Dealer)	1040	820290	Plate-Trim
						1058	820853	Operator's Manual
						1319	821160	Label-Warning
						1330	MS1055	Repair Manual (Refer to Repair Manual For Assembly and Torque Requirements)

Label Kit, Emissions Label, Repair Manual

REF NO	PART NO	QTY	DESCRIPTION
1019	825687		KIT, Label
1036	-----		Label-Emissions -(Available From A Briggs & Stratton Authorized Dealer)
1040	820290		PLATE, Trim
1058	820853		MANUAL, Operator's
1319	821160		LABEL, Warning
1330	MS1055		MANUAL, Repair

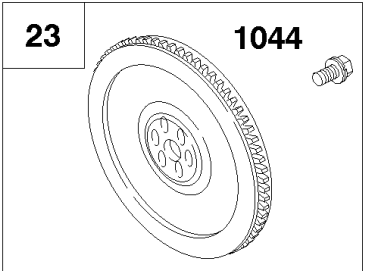
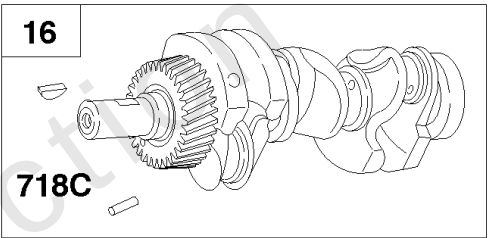
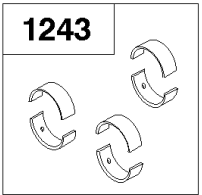
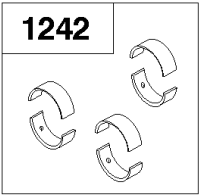
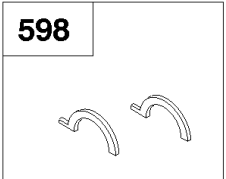
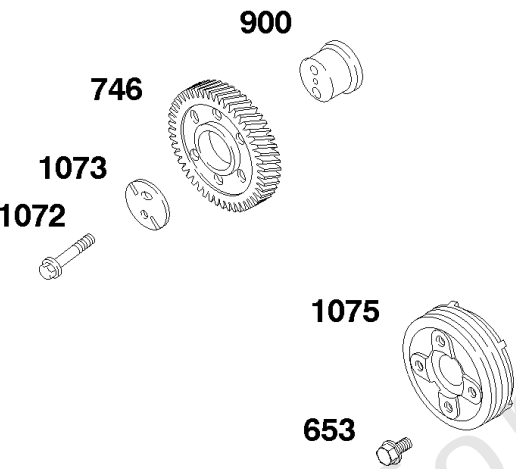
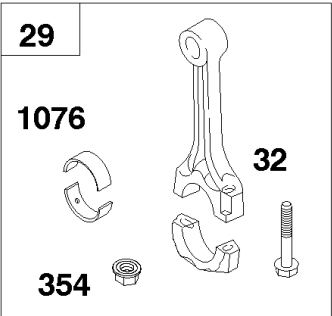
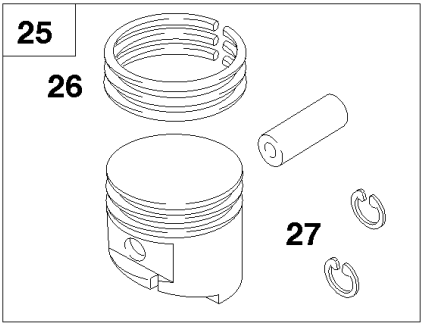
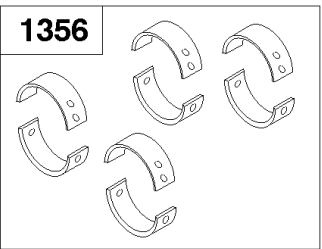
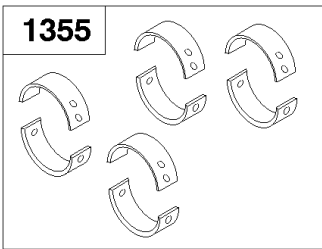
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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
15	825278	Plug-Oil Drain (16 mm)	818	820016	Stud (Oil Pump Screen)	1017	825089	Screen-Oil Pump
		----- Note -----	848	820069	Nut (Oil Pump Screen)	1039	820034	Screw (Oil Pan)
		825043 Plug-Oil Drain (12 mm)	941	820017	Stud (Oil Pan)	1041	820104	Gasket-Oil Pump Screen
276A	820582	Washer-Sealing (Oil Drain Plug) (16 mm)	952	820068	Nut (Oil Pan)	1078	820137	Gasket-Oil Pan
		----- Note -----				1088	825285	Pan-Oil (Dual Drain) (16 mm)
		820049 Washer-Sealing (Oil Drain Plug) (12 mm)						
479	820034	Screw (Oil Pump Screen)						

Oil Pan, Oil Pump Screen

REF NO	PART NO	QTY	DESCRIPTION
15	825278		PLUG, Oil Drain -(16mm)
15	825043		PLUG, Oil Drain -(12 mm)
276A	820049		WASHER, Sealing -(Oil Drain Plug)(12 mm)
276A	820582		WASHER, Sealing -(Oil Drain Plug)(16mm)
479	820034		SCREW -(Oil Pump Screen)
818	820016		STUD -(Oil Pump Screen)
848	820069		NUT -(Oil Pump Screen)
941	820017		STUD -(Oil Pan)
952	820068		NUT -(Oil Pan)
1017	825089		SCREEN, Oil Pump
1039	820034		SCREW -(Oil Pan)
1041	820104		GASKET, Oil Pump Screen
1078	820137		GASKET, Oil Pan
1088	825285		PAN, Oil -(Dual Drain)(16mm)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
16	825345	Crankshaft (Left Helix) (Used After Code Date 98123100). ----- Note ----- 825016 Crankshaft (Right Helix) (Used Before Code Date 99010100).			825353 Piston Assembly (.010" Oversize) (Used After Code Date 98123100). 825169 Piston Assembly (.010" Oversize) (Used Before Code Date 99010100).	653	820079	Screw (Crankshaft Pulley)
23	825303	Flywheel				718C	820059	Pin-Locating
25	825352	Piston Assembly (Standard) (Used After Code Date 98123100). ----- Note ----- 825168 Piston Assembly (Standard) (Used Before Code Date 99010100).	26	825164	Ring Set (Standard) ----- Note ----- 825165 Ring Set (.010" Oversize)	746	820611	Gear-Idler (Used After Code Date 98123100). ----- Note ----- 825013 Gear-Idler (Used Before Code Date 99010100).
						900	820116	Shaft-Gear
						1044	820080	Screw (Flywheel)
						1072	820081	Screw (Idle Gear Plate)
			27	820402	Lock-Piston Pin	1073	820117	Plate-Idle Gear
			29	825171	Rod-Connecting	1075	820236	Pulley-Crankshaft (4 Hole)
			32	820128	Screw (Connecting Rod)			----- Note ----- 820123 Pulley-Crankshaft (3 Hole)
			598	821295	Shim-Endplay (Crankshaft) (Standard) ----- Note ----- 821297 Shim-Endplay (Crankshaft) (.005" Oversize)	1076	820142	Bearing/STD-Rod
						1242	825019	Bearing Set/STD-Rod
						1243	825060	Bearing Set/010"-Rod
						1355	825040	Bearing Set/STD-Main
						1356	825039	Bearing Set/010"-Main

Piston, Crankshaft, Flywheel

REF NO	PART NO	QTY	DESCRIPTION
16	825016		CRANKSHAFT -(Right Helix) -Used Before Code Date 99010100
16	825345		CRANKSHAFT -(Left Helix) -Used After Code Date 98123100
23	825303		FLYWHEEL
25	825352		PISTON ASSEMBLY -(Standard) -Used After Code Date 98123100
25	825353		PISTON ASSEMBLY -(.010 Oversize) -Used After Code Date 98123100
25	825168		PISTON ASSEMBLY -(Standard) -Used Before Code Date 99010100
25	825169		PISTON ASSEMBLY -(.010 Oversize) -Used Before Code Date 99010100
26	825164		SET, Ring -(Standard)
26	825165		SET, Ring -(.010 Oversize)
27	820402		LOCK, Piston Pin
29	825171		ROD, Connecting
32	820128		SCREW -(Connecting Rod)
354	820073		NUT -(Connecting Rod)
598	821295		SHIM, End Play -(Crankshaft or Camshaft Bearing) (Standard)
598	821297		SHIM, End Play -(Crankshaft or Camshaft Bearing) (.005 Oversize)
653	820079		SCREW -(Crankshaft Pulley)
718C	820059		PIN, Locating
746	820611		GEAR, Idler -Used After Code Date 98123100
746	825013		GEAR, Idler -Used Before Code Date 99010100
900	820116		SHAFT, Gear
1044	820080		SCREW -(Flywheel)
1072	820081		SCREW -(Idle Gear Plate)
1073	820117		PLATE, Idle Gear
1075	820123		PULLEY, Crankshaft -(3 Holes)
1075	820236		PULLEY, Crankshaft -(4 Holes)
1076	820142		SET, Rod Bearing, Standard
1242	825019		SET, Rod Bearing, Standard
1243	825060		SET, Rod Bearing, 010
1355	825040		SET, Main Bearing, Standard
1356	825039		SET, Main Bearing, 010

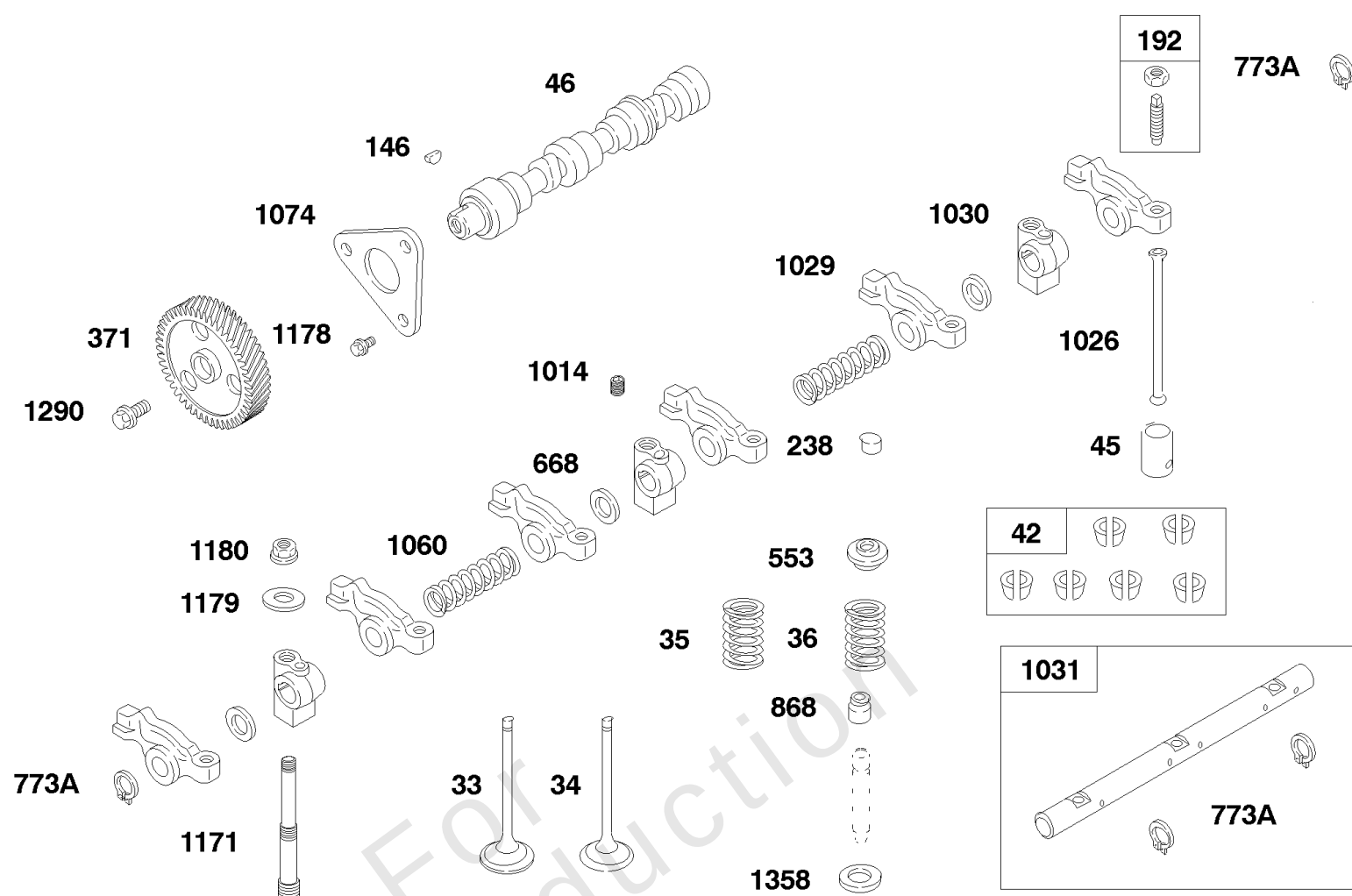
Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
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Rocker Arm, Valve Assembly

Mfg. No: 432447-0205-E2



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
33	820404	Valve-Exhaust	238	821214	Cap-Valve	1014	820105	Screw
34	820403	Valve-Intake			(Used After Code Date			(Rocker Arm Support)
35	820406	Spring-Valve			04083100).	1026	821216	Rod-Push
		(Intake)			----- Note -----			(Used After Code Date
36	820406	Spring-Valve			820113 Cap-Valve			04083100).
		(Exhaust)			(Used Before Code			----- Note -----
42	825082	Keeper-Valve			Date 04090100).			820109 Rod-Push
45	820110	Tappet-Valve	238	820113	Cap-Valve			(Used Before Code
46	820388	Camshaft	371	820613	Gear-Cam			Date 04090100).
146	691639	Key-Timing			(Right Helix)	1029	820387	Arm-Rocker
192	825688	Adjuster-Rocker Arm			(Used After Code Date	1030	820106	Support-Rocker Arm
		(Used After Code Date			98123100).	1031	825093	Shaft-Rocker Arm
		04083100).			----- Note -----	1060	820044	Spring-Rocker Shaft
		----- Note -----			820119 Gear-Cam	1074	820118	Retainer-Camshaft
		825041 Adjuster-			(Left Helix)	1171	820076	Stud
		Rocker Arm			(Used Before Code			(Rocker Cover)
		(Used Before Code			Date 99010100).	1178	820032	Screw
		Date 04090100).	553	820111	Retainer-Valve Spring			(Camshaft Retainer)
			668	820065	Spacer	1179	820177	Washer
					(Rocker Arm Shaft)			(Rocker Arm Support)
			773A	820003	Retainer	1180	820070	Nut
					(Rocker Arm Shaft)			(Rocker Arm Support)
			868	820405	Seal-Valve	1290	820075	Screw
								(Cam Gear)
						1358	820112	Seat-Valve Spring

Rocker Arm, Valve Assembly

REF NO	PART NO	QTY	DESCRIPTION
33	820404		VALVE, Exhaust
34	820403		VALVE, Intake
35	820406		SPRING, Valve -(Intake)
36	820406		SPRING, Valve -(Exhaust)
42	825082		KEEPER, Valve
45	820110		TAPPET, Valve
46	820388		CAMSHAFT
146	691639		KEY, Woodruff
192	825688		ADJUSTER, Rocker Arm -Used After Code Date 04083100
192	825041		ADJUSTER, Rocker Arm -Used Before Code Date 04090100
238	821214		CAP, Valve -Used After Code Date 04083100
238	820113		CAP, Valve -Used Before Code Date 04090100
371	820613		GEAR, Cam -(Right Helix) -Used After Code Date 98123100
371	820119		GEAR, Cam -(Left Helix) -Used Before Code Date 99010100
553	820111		RETAINER, Valve
668	820065		SPACER -(Rocker Arm Shaft)
773A	820003		RETAINER -(Rocker Arm Shaft)
868	820405		SEAL, Valve
1014	820105		SCREW -(Rocker Arm Support)
1026	821216		ROD, Push -Used After Code Date 04083100
1026	820109		ROD, Push -Used Before Code Date 04090100
1029	820387		ARM, Rocker
1030	820106		SUPPORT, Rocker Arm
1031	825093		SHAFT, Rocker Arm
1060	820044		SPRING, Rocker Shaft
1074	820118		RETAINER, Camshaft
1171	820076		STUD -(Rocker Cover)
1178	820032		SCREW -(Camshaft Retainer)
1179	820177		WASHER -(Rocker Arm Support)
1180	820070		NUT -(Rocker Arm Support)
1290	820075		SCREW -(Cam Gear)
1358	820112		SEAT, Valve Spring

