

Tanaka Illustrated Parts Manual

Model Number:

TED-270PFR

Portable Gas Drill w/Reverse

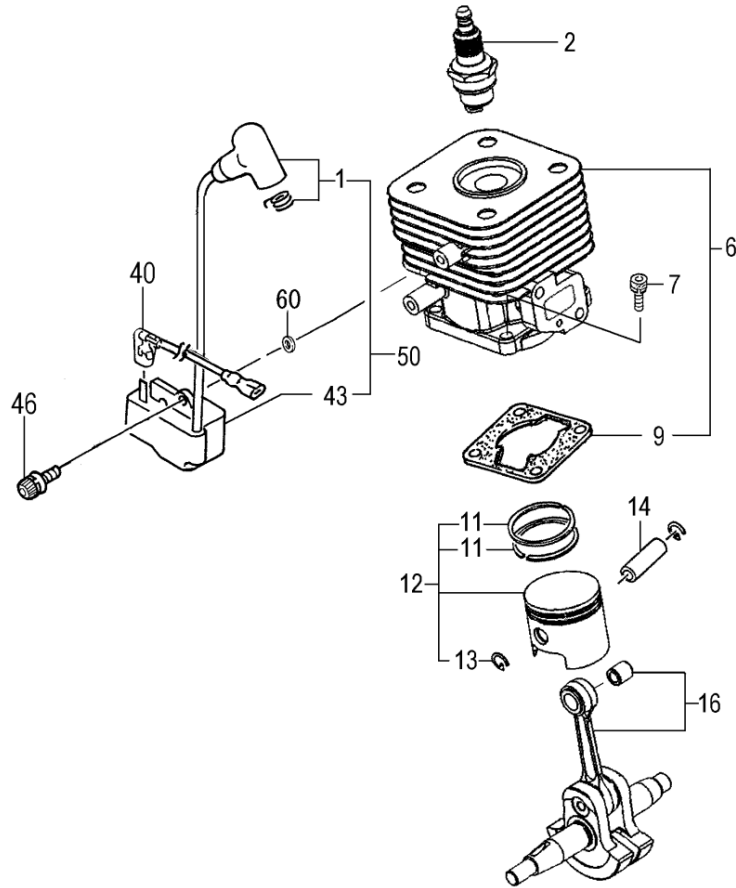
P/N 41110

Rev 000

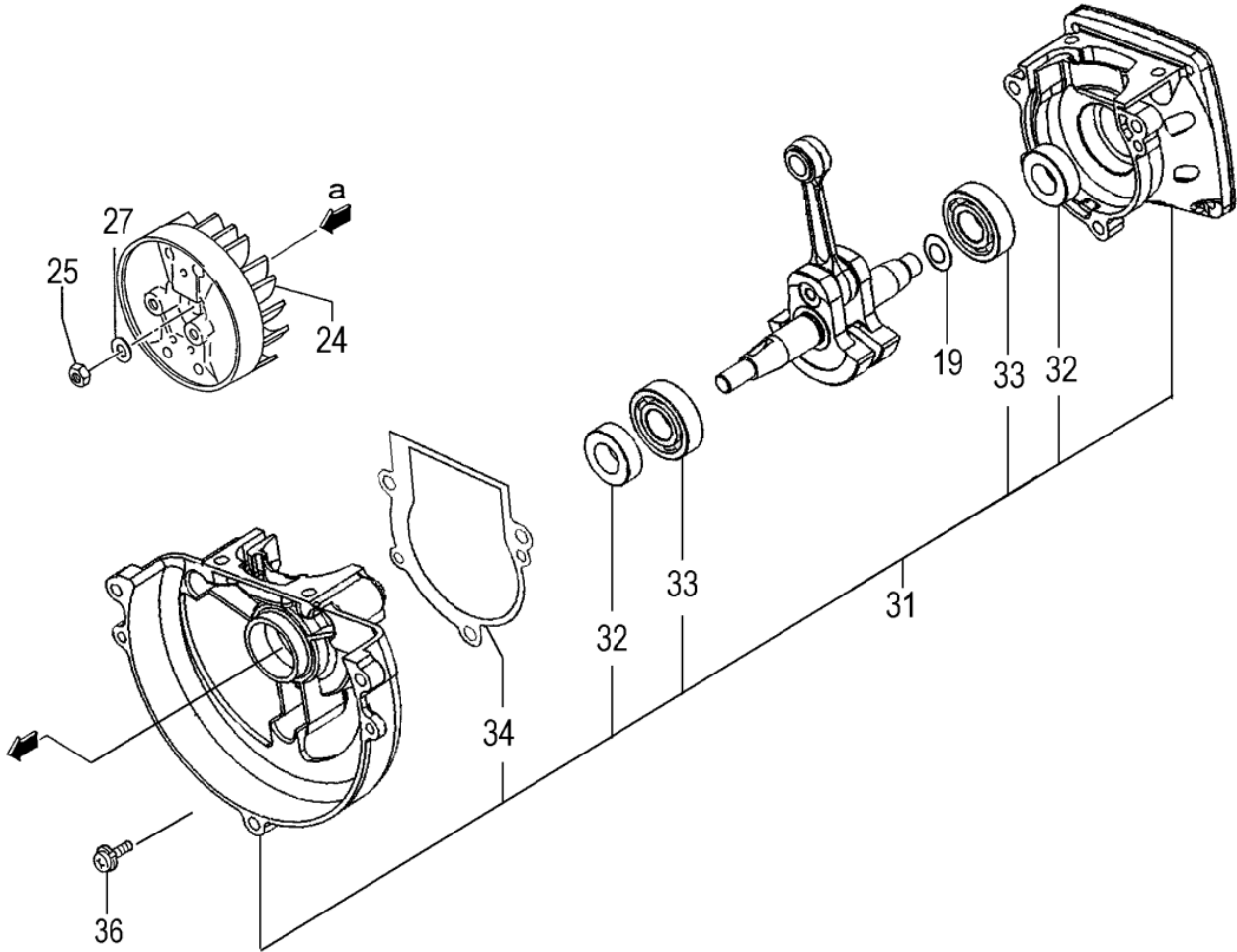
Date 8/29/08



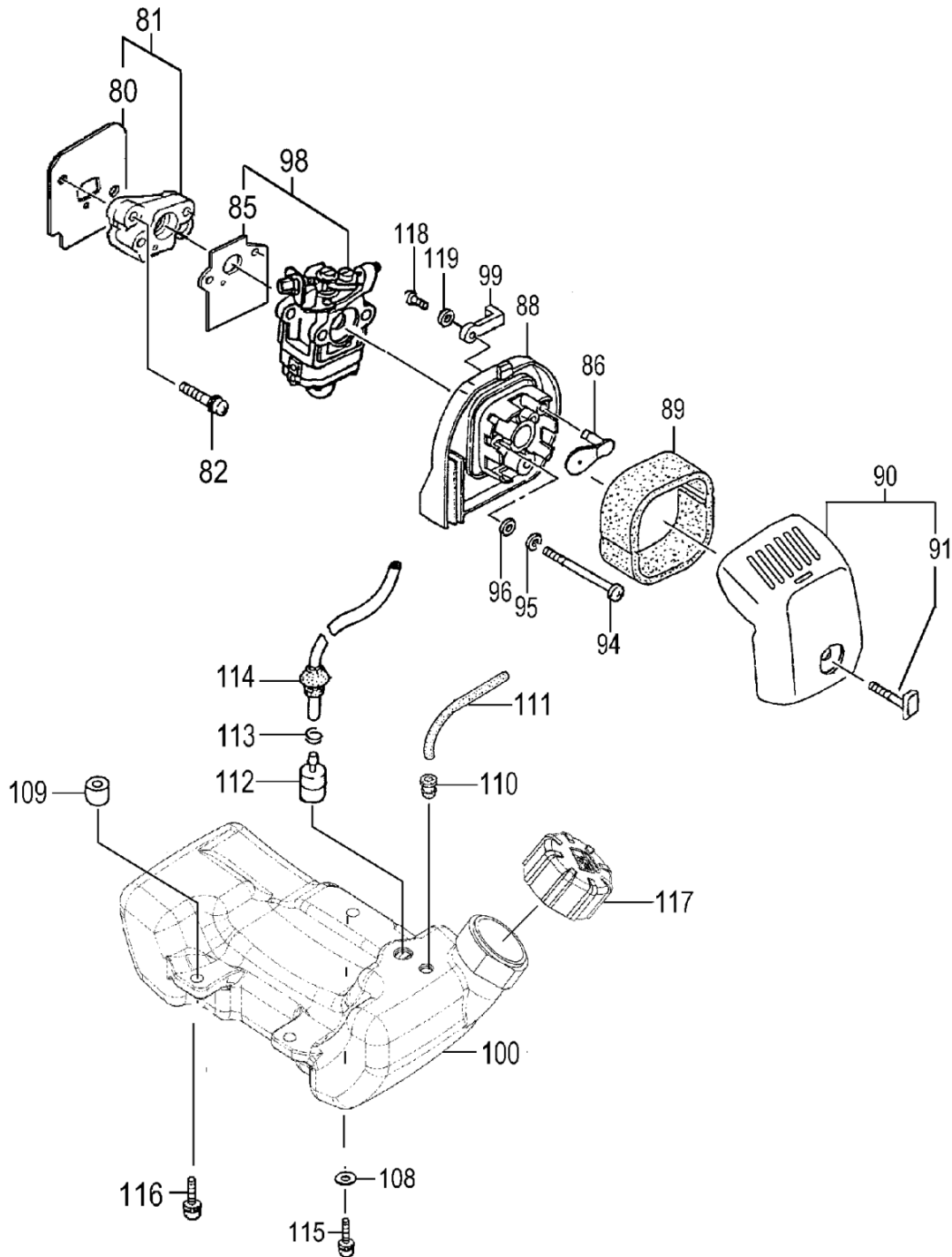
Nikko Tanaka Engineering U.S.A.,Ltd. • 1028 4th Street SW, Bldg B • Auburn, WA 98001 • Phone: (253) 333-1200 • Fax: (253) 333-1212



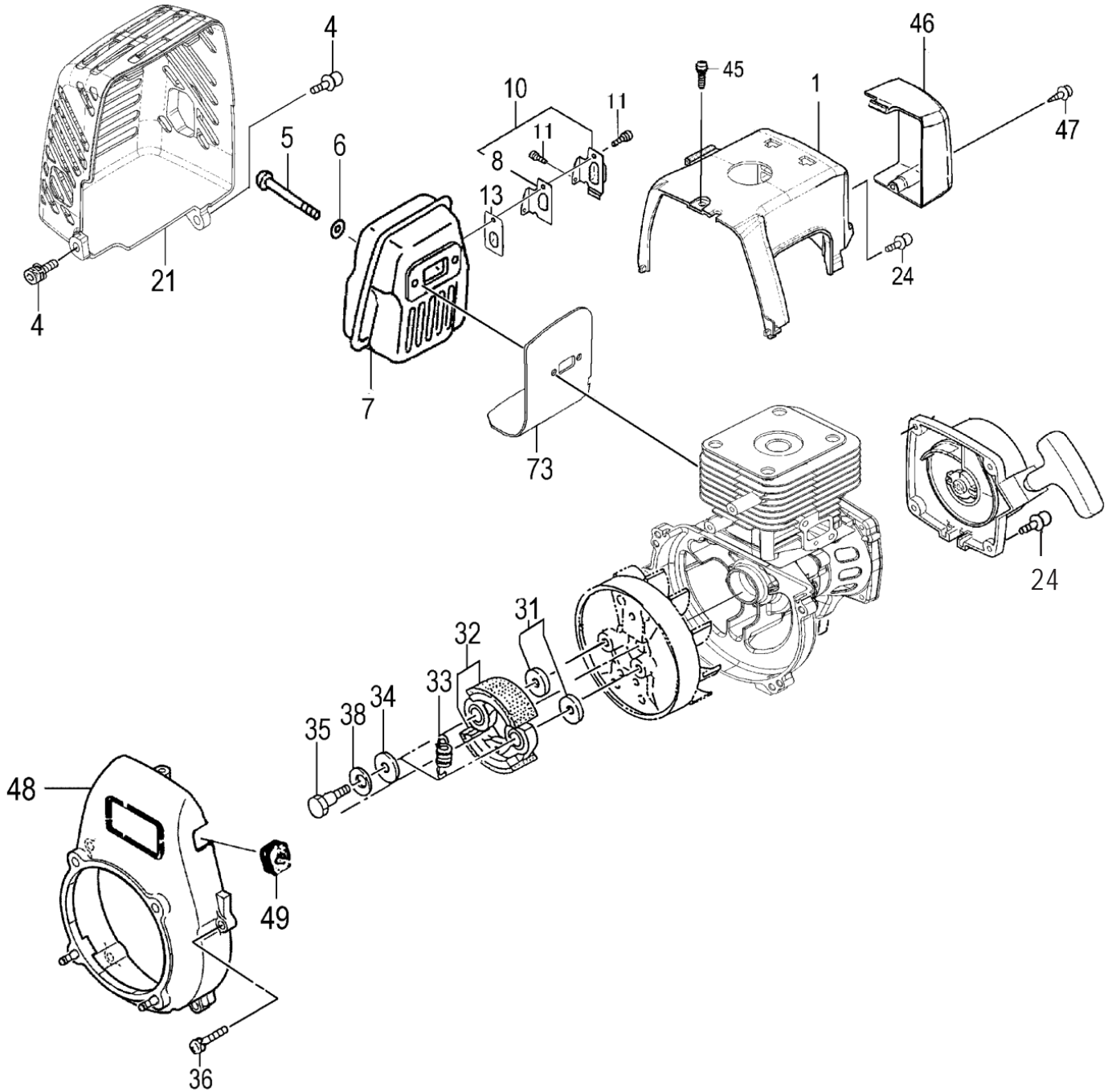
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1-1	1570168090	CAP, SPARK PLUG ASS'Y	1	
1-2	01801805200	PLUG, SPARK	1	
1-6	0010740A90	CYLINDER SET	1	Includes gasket
1-7	99461050184	BOLT, HEX, 5X18, S	1	
1-9	0170735520	GASKET, CYLINDER	1	
1-11	0410170020	RING, PISTON	2	
1-12	0300735090	PISTON SET	1	Includes piston rings & circlips
1-13	03901620200	CIRCLIP, PISTON PIN	2	
1-14	0370704520	PIN, PISTON	1	
1-16	0460735082	CRANKSHAFT	1	
1-40	1780168080	CORD, STOP	1	
1-46	99464040184	BOLT, HEX 4x18WS	2	
1-50	1672101590	COIL, IGNITION	1	
1-60	1820186A201	WASHER, SPECIAL	2	



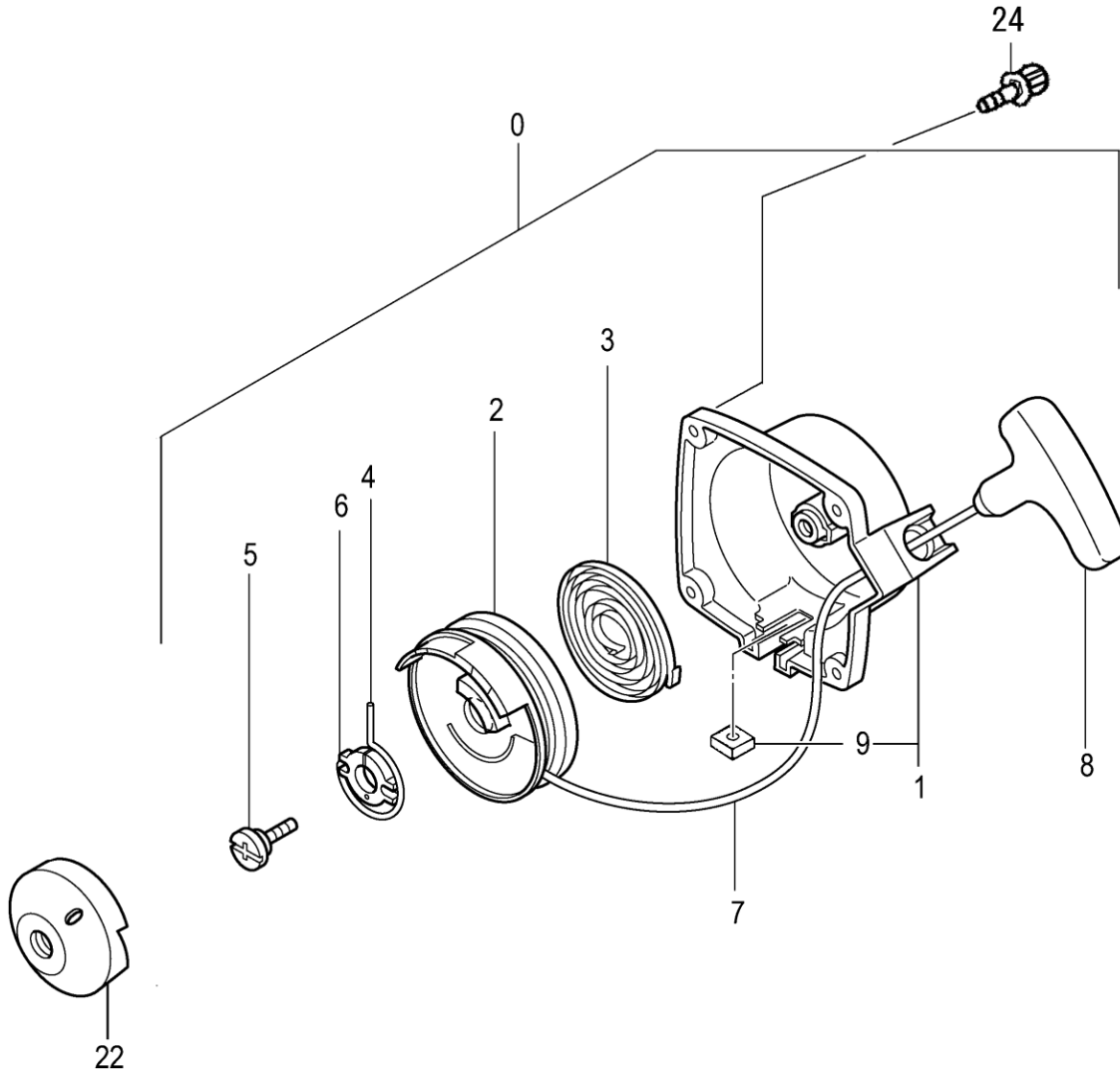
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
2-19	33000200230	SHIM,12.2X19X.20	1	
2-19	33000200240	SHIM,12.2X19X.30	1	
2-24	1552101480	FLYWHEEL	1	
2-25	99101080011	NUT,8	1	
2-27	99201080011	WASHER,8	1	
2-31	0720304594	CRANKCASE ASSY	1	Includes seals & bearings
2-32	99966122206	SEAL,OIL,#TC12227	2	
2-33	99961600115	BEARING,BALL,#6001 C3	2	
2-34	0900735022	GASKET,CRANKCASE	1	
2-36	99461050164	BOLT,HEX,5X16,S	4	



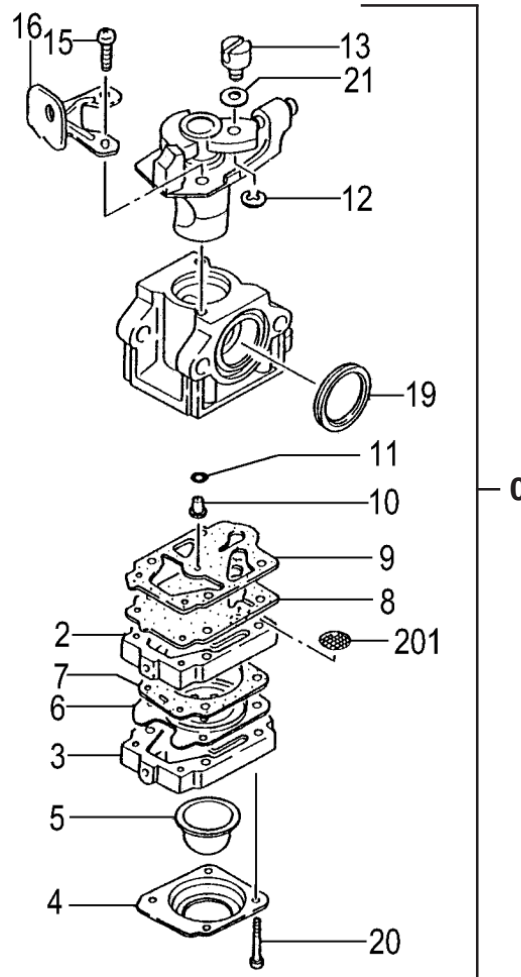
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
3-80	4030702021	GASKET, INLET MANIFOLD	1	Includes gasket
3-81	4040702091	INSULATOR SET	1	
3-82	99464050254	BOLT, HEX HOLE, 5X25WS	2	
3-85	4020656A200	GASKET	1	
3-86	5280652N22	PLATE, CHOKE, 2.0	1	
3-88	4230652N80	BODY, AIR CLEANER	1	
3-89	4460652N20	CLEANER, ELEMENT	1	
3-90	4520304690	COVER, BLACK	1	
3-91	4500702480	BOLT, CLEANER COVER	1	
3-94	99011050552	SCREW, 5X55	2	Includes gasket
3-95	99210050012	WASHER, S, 5	2	
3-96	99200050011	WASHER, SMALL, 5	2	
3-98	4550740A90	CARBURETOR SET	1	
3-99	5230652N20	LEVER, CHOKE	1	
3-100	5910735022	TANK, FUEL, WHITE	1	
3-108	36832350200	WASHER, BRAKE SHAFT	1	
3-109	65900801200	COLLAR	3	
3-110	53432710200	GROMMET, FUEL PIPE	1	
3-111	70003005350	PIPE, FUEL, 3X5X350	1	
3-112	6750404280	FILTER, FUEL	1	
3-113	68000731201	CLIP 6.3	1	
3-114	2230162V900	PIPE, FUEL, 3x5x160	1	
3-115	99463050205	BOLT, HEX, 5X20PS	1	
3-116	99463050164	BOLT, HEX, 5X16, PS	2	
3-117	5950300290	CAP, TANK (BLACK/RED)	1	
3-118	99349040142	SCREW, TAPPING, 4x14P	1	
3-119	99201040011	WASHER, 4	1	



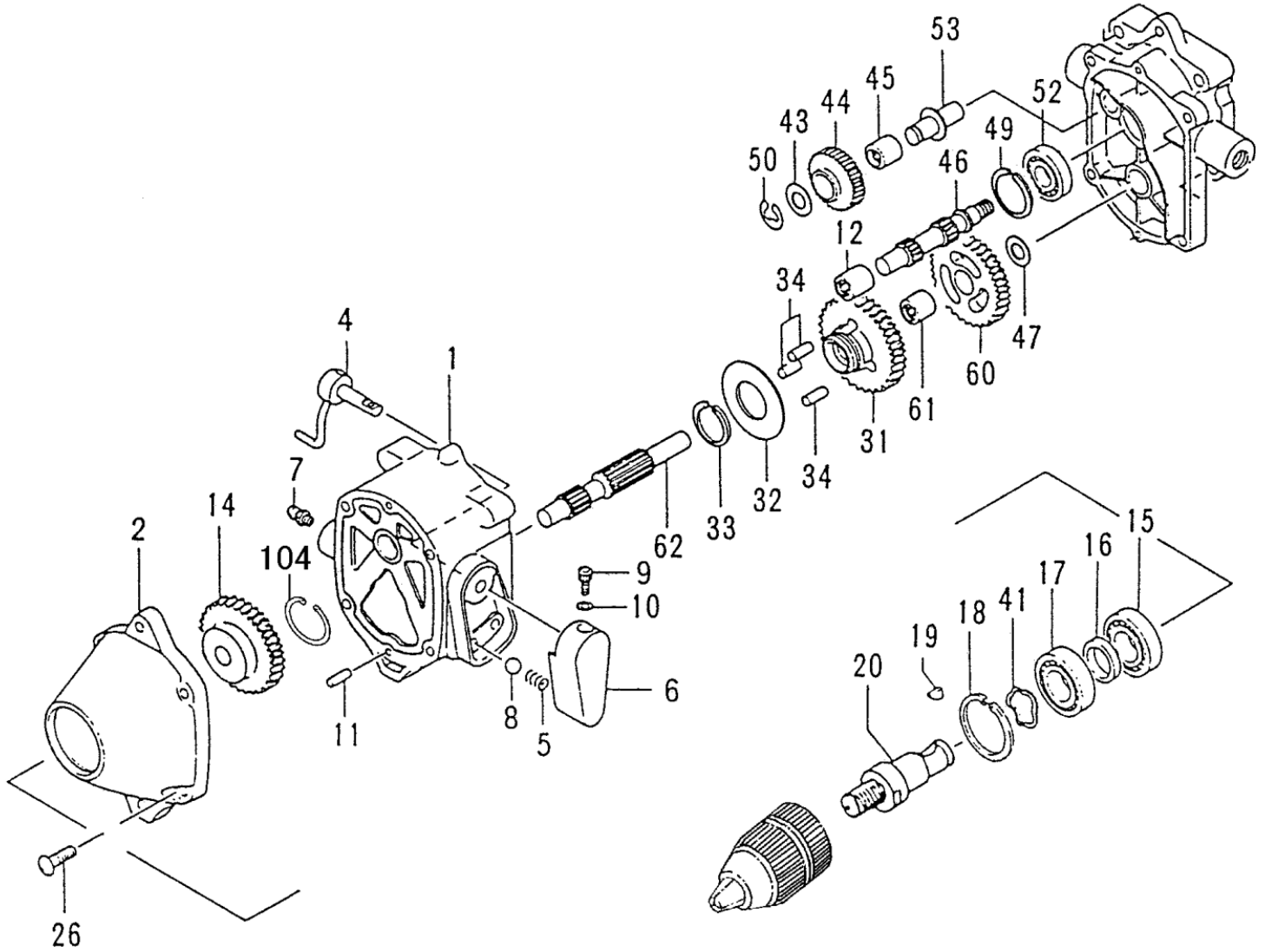
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
4-1	0160750020	COVER,CYLINDER	1	
4-4	99463050164	BOLT,HEX,5X16,PS	2	
4-5	99051060653	BOLT,HEX,6x65	2	
4-6	99201060011	WASHER,6	2	
4-7	7060740A80	MUFFLER	1	
4-8	75106500200	GASKET,MUFFLER	1	
4-10	7340740A90	TAIL PIPE SET	1	
4-11	99436040081	SCREW,4X18WS	2	
4-13	7320740A20	ARRESTER,SPARK	1	
4-21	7380740A80	PROTECTOR,MUFFLER	1	
4-24	99464040185	BOLT,HEX,4x18WS	2	
4-31	35902103200	WASHER,CLUTCH,B	2	
4-32	29001620800	SHOE,CLUTCH	2	
4-33	3420630B200	SPRING,CLUTCH	1	
4-34	3480630A20	PLATE,CLUTCH	2	
4-35	3570075T200	BOLT,STEP	2	
4-36	99464050184	BOLT,HEX,5X18,WS	3	
4-38	99205080030	WASHER,8	2	
4-45	99463040154	BOLT,HEX,4X15,PS	1	
4-46	1320740A20	DEFLECTOR,AIR	1	
4-47	99348040142	SCREW,TAPPING,4x14	1	
4-48	1120736580	CASE,FAN	1	
4-49	20311660200	GROMMET,PRIMARY CORD	1	
4-73	1330750020	SHIELD,HEAT	1	



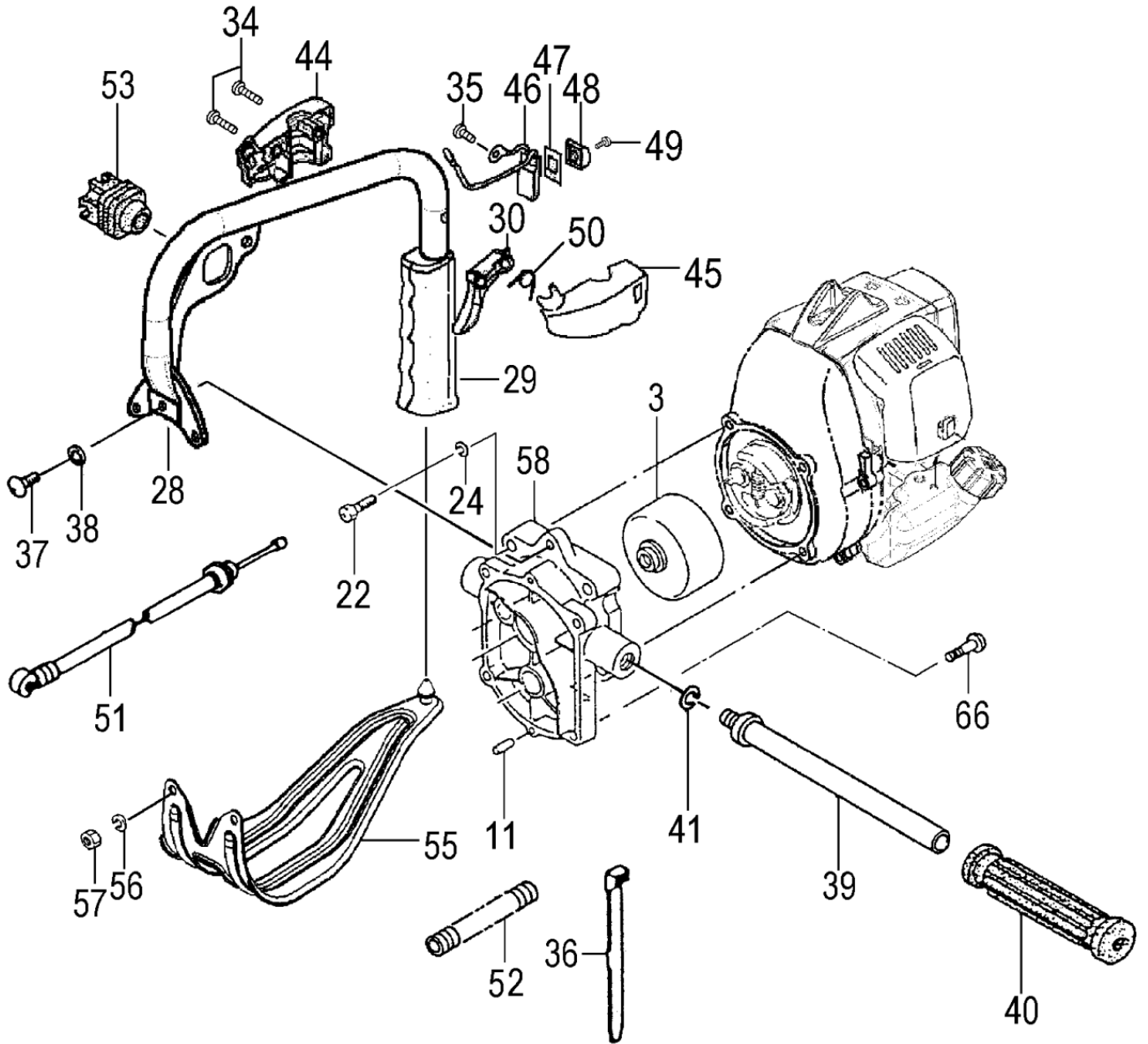
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
5-0	7620304590	STARTER ASS'Y	1	
5-1	7720304580	BODY,STARTER	1	
5-2	7740304520	PULLEY,STARTER	1	
5-3	7790304520	SPRING,RECOIL	1	
5-4	7770304520	ARM,SWING	1	
5-5	8390304520	SCREW,SET	1	
5-6	7710304520	STAY,PULLEY	1	
5-7	7830304520	ROPE,STARTER	1	
5-8	7850304520	HANDLE,STARTER	1	
5-9	3153334020	NUT,SPECIAL 5MM	1	
5-22	7980304520	PULLEY,STARTER	1	
5-24	99464040185	BOLT,HEX,4x18WS	2	



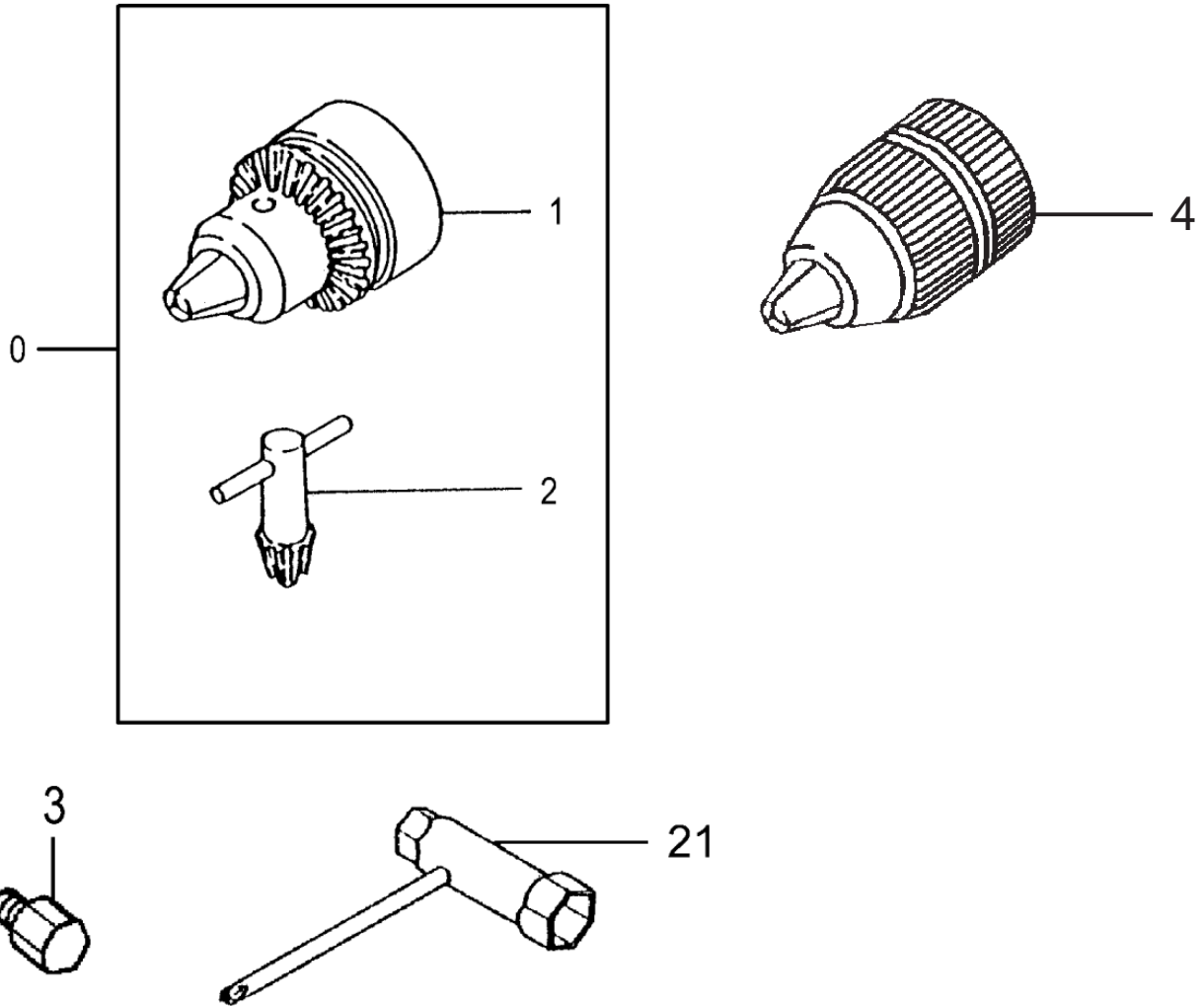
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
6-0	4550740A90	CARBURETOR SET	1	Includes gasket
6-2	5752515380	BODY,PUMP	1	
6-3	4422515180	PUMP,PRIMING	1	
6-4	4762515120	COVER,DIAPHRAGM	1	
6-5	44725108200	BULB,PRIMING	1	
6-6	~ ~ ~	DIAPHRAGM,METERING	1	~ Included in carb kit #650.25124.900
6-7	~ ~ ~	GASKET,DIAPHRAGM	1	(parts not sold individually)
6-8	~ ~ ~	DIAPHRAGM,PUMP	1	
6-9	~ ~ ~	GASKET,PUMP	1	
6-10	5992001W38	JET,MAIN,LONG #38	1	
6-11	55025100200	O-RING	1	
6-12	48925100200	RING,STOP	1	
6-13	53925120200	SWIVEL	1	
6-15	51425100200	SCREW,THROTTLE SET	2	
6-16	54425164200	STAY,ADJUST,CABLE	1	
6-19	4310634C200	GASKET,CLEANER	1	
6-20	5482515120	SCREW,SET	4	
6-21	5492516520	WASHER,THRUST	1	
6-201	57825007200	SCREEN,INLET	1	



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
7-1	0023214120	CASE,GEAR,A	1	
7-2	0063210A80	CASE,GEAR,B	1	
7-4	0893214180	FORK,SHIFT	1	
7-5	1063214120	SPRING,SHIFT GUIDE	1	
7-6	1083214120	LEVER,SHIFT	1	
7-7	30032250801	FITTING,GREASE	1	
7-8	6733560020	BALL,STEEL	1	
7-9	99051040083	BOLT,HEX.HOLE 4X8	1	
7-10	99201040011	WASHER,4	1	
7-11	99905041203	PIN,KNOCK,4x12	2	
7-12	99962091211	BEARING,NEEDLE,TLA912	1	
7-14	0183219220	GEAR,4	1	
7-15	99961720221	BEARING,BALL,#7202B	1	
7-16	04032120201	WASHER,BEARING	1	
7-17	99961620202	BEARING,BALL,#6202Z	1	
7-18	99351035002	RING,IN,C-35,STOP	1	
7-19	06801006200	KEY,WOODRUFF,3X13X5	1	
7-20	0223218320	SHAFT,GEAR	1	
7-26	99414050181	SCREW,S,5X18	4	
7-31	0603214120	GEAR,FORWARD	1	
7-32	1403214120	WASHER,THRUST,2.0	1	
7-33	99357200002	RING,STOP,20	1	
7-34	99905061200	BEARING,NEEDLE,6X12	3	
7-41	99209350030	WASHER,WAVE,B.B,35	1	
7-43	1413214120	WASHER,THRUST,0.8	1	
7-44	0593214120	GEAR,NEUTRAL	1	
7-45	99962091211	BEARING,NEEDLE,TLA912	1	
7-46	0623214120	SHAFT,SHIFT	1	
7-47	1413214120	WASHER,THRUST,0.8	1	
7-49	99351024002	RING,STOP,C-24,IN	1	
7-50	99355080001	RING,STOP,E-8	1	
7-52	99961609002	BEARING,BALL,#609Z	1	
7-53	0583214120	SHAFT,NEUTRAL	1	
7-60	0613214120	GEAR,REVERSE	1	
7-61	99962091211	BEARING,NEEDLE,TLA912	1	
7-62	0633219220	COUNTER SHAFT	1	
7-104	99350013002	RING,STOP	1	



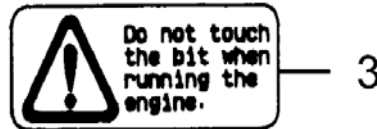
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
8-3	2263214180	HOUSING,CLUTCH	1	
8-11	99905041203	PIN,KNOCK,4x12	2	
8-22	99023060301	BOLT,P,6X30	2	
8-24	99210060012	WASHER,S,6	2	
8-28	2587102080	HANDLE,A	1	
8-29	1653313020	HANDLE,GRIP,A	1	
8-30	0607102020	LEVER,THROTTLE	1	
8-34	99349040142	SCREW,TAPPING,4x14P	2	
8-35	99011040061	SCREW,4X6	1	
8-36	19833130200	CLAMP,CORD	2	
8-37	99023060161	BOLT,6X16 PLUS	1	
8-38	99210060012	WASHER,S,6	1	
8-39	25932120810	HANDLE,B	1	
8-40	05532130200	GRIP,HANDLE	1	
8-41	99210100012	WASHER,S,10	1	
8-44	8847102020	BODY,THROTTLE B	1	
8-45	8757102020	BODY,THROTTLE,A	1	
8-46	1707102080	SWITCH,STOP	1	
8-47	92533160200	DECAL,STOP BUTTON	1	
8-48	2581165020	BUTTON,STOP	1	
8-49	99431030101	SCREW,3X10	1	
8-50	0617102020	SPRING,THROTTLE LEVER	1	
8-51	8857102180	WIRE,THROTTLE	1	
8-52	1640703450	TUBE,PROTECTION	1	
8-53	1553210A200	HOLDER,CHUCK KEY	1	
8-55	2657100080	BRACE,HANDLE	1	
8-56	99210060012	WASHER,S,6	2	
8-57	99101060011	NUT,6	2	
8-58	1503214180	CASE,CLUTCH	1	
8-59	99414050181	SCREW,S,5X18	4	



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
9-0	05932120911	CHUCK & KEY 1/2in	1	
9-1	06032120911	CHUCK, 1/2in	1	
9-2	06132120811	CHUCK KEY 1/2in	1	
9-3	0767102020	ADPATER, TED, L-H	1	
9-4	27218	KEYLESS CHUCK	1	Optional
9-21	0362971010	SPANNER	1	



1



3

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
10-1	9060740B20	DECAL, TED-270PFR	1	
10-3	9213217220	DECAL, CAUTION	1	