

BASIC ENGINE

110-5096 CYLINDER HEAD GP*R

S/N: 41Z1-UP

FIELD REPLACEMENT FOR 110-5099--PAGE 61

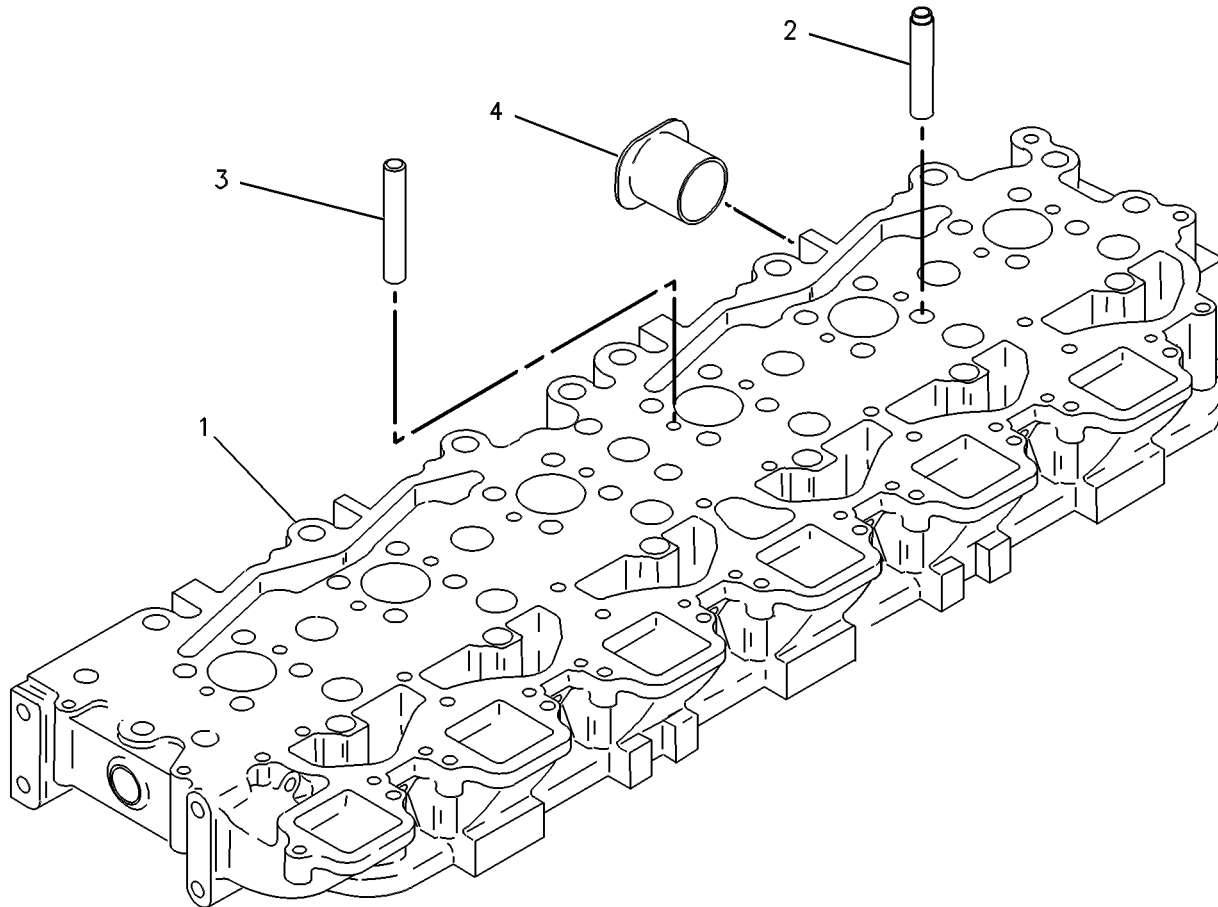
SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,
1115, 1117, 1121, 1124, 1125

i01630114

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	110-5099	1	CYLINDER HEAD GP	61
	2	1	122-7374	24	GUIDE-VALVE	
	3	1	2N-5775	12	DOWEL	
B	4	1	194-8124	6	SLEEVE AS (EXHAUST PORT)	

B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00109211

BASIC ENGINE

110-5099 CYLINDER HEAD GP

S/N: 41Z1-UP

PART OF 110-5096, 214-1667, 7W-2203 CYLINDER HEAD GP

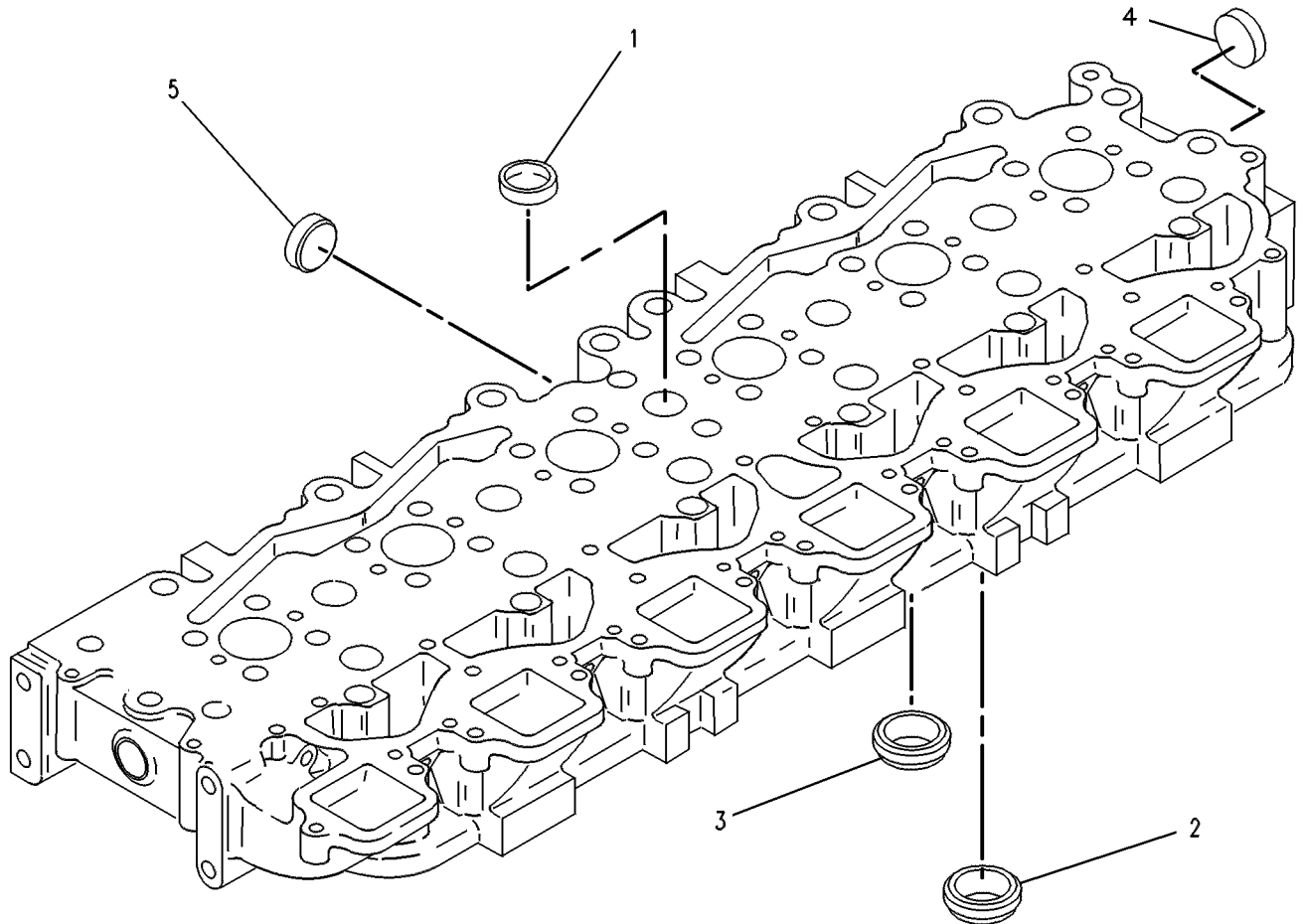
FIELD REPLACEMENT ORDER 110-5096-PAGE 60

ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,
1115, 1117, 1121, 1124, 1125

i00144269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3B-0645	12	PLUG-CUP						
	2	1	4N-5893	12	INSERT-INLET VALVE						
	3	1	1W-5283	12	INSERT-VALVE SEAT						
	4	1	2M-6471	1	PLUG-CUP						
	5	1	3B-0623	10	PLUG-CUP						



GRAPHIC #1

g00108648

BASIC ENGINE

214-1665 CYLINDER HEAD GP

S/N: 41Z20913-UP

PART OF 105-9697, 111-0592 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,
1115, 1117, 1121, 1124, 1125

i01654198

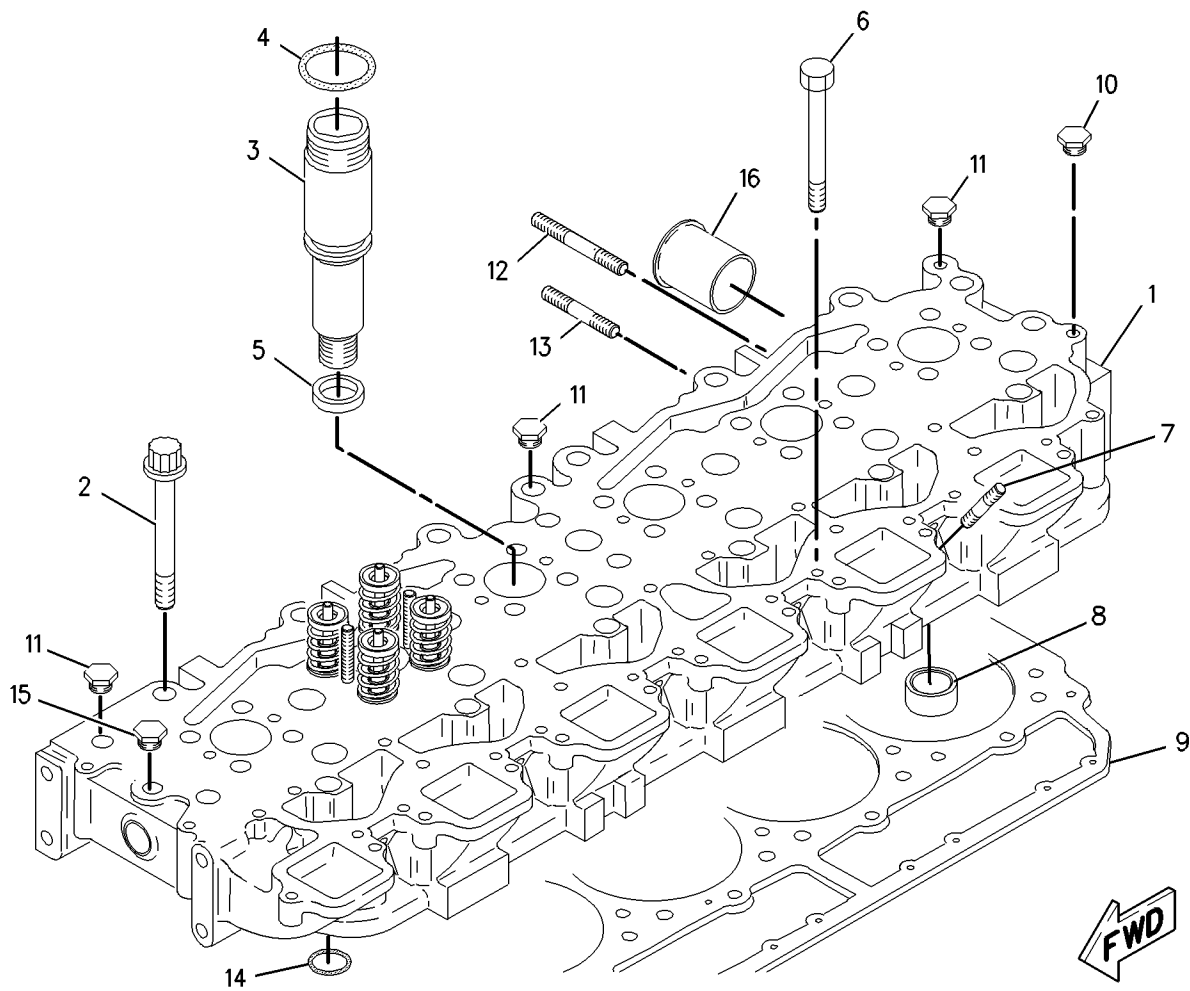
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	214-1667	1	CYLINDER HEAD GP	64
	2	1	5H-1504	20	WASHER-HARD (20X33.5X5MM THK)	
		1	124-1855	20	BOLT-12 POINT HEAD (3/4-16X194MM)	
	3	1	100-6920	6	ADAPTER-NOZZLE	
	4	1	8M-5249	6	SEAL-O-RING	
	5	1	4N-7253	6	GASKET-CHAMBER	
	6	1	5F-4899	12	BOLT (3/8-16X5.5 IN)	
	7	1	6L-7442	6	STUD-TAPERLOCK (5/16-18X1.08IN)	
	8	1	3E-6772	24	SEAL-WATER	
	9	1	6I-3066	1	GASKET-CYLINDER HEAD	
	10	1	8T-6767	1	PLUG-PIPE (3/8-18X.56 IN)	
	11	1	7W-6492	3	PLUG-PIPE (1/2-14 NPTF THD)	
	12	1	106-1792	11	STUD-TAPERLOCK (3/8-16X3.93IN)	
	13	1	4S-6137	1	STUD-TAPERLOCK (3/8-16X3.1IN)	
	14	1	3S-5496	2	SEAL-O-RING	
	15	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)	
	16	1	194-8124	6	SLEEVE AS (EXHAUST PORT)	

Y-SEPARATE ILLUSTRATION

BASIC ENGINE

214-1665 CYLINDER HEAD GP (contd.)

i01654198



GRAPHIC #1

g00848685

BASIC ENGINE

214-1667 CYLINDER HEAD GP

S/N: 41Z20913-UP

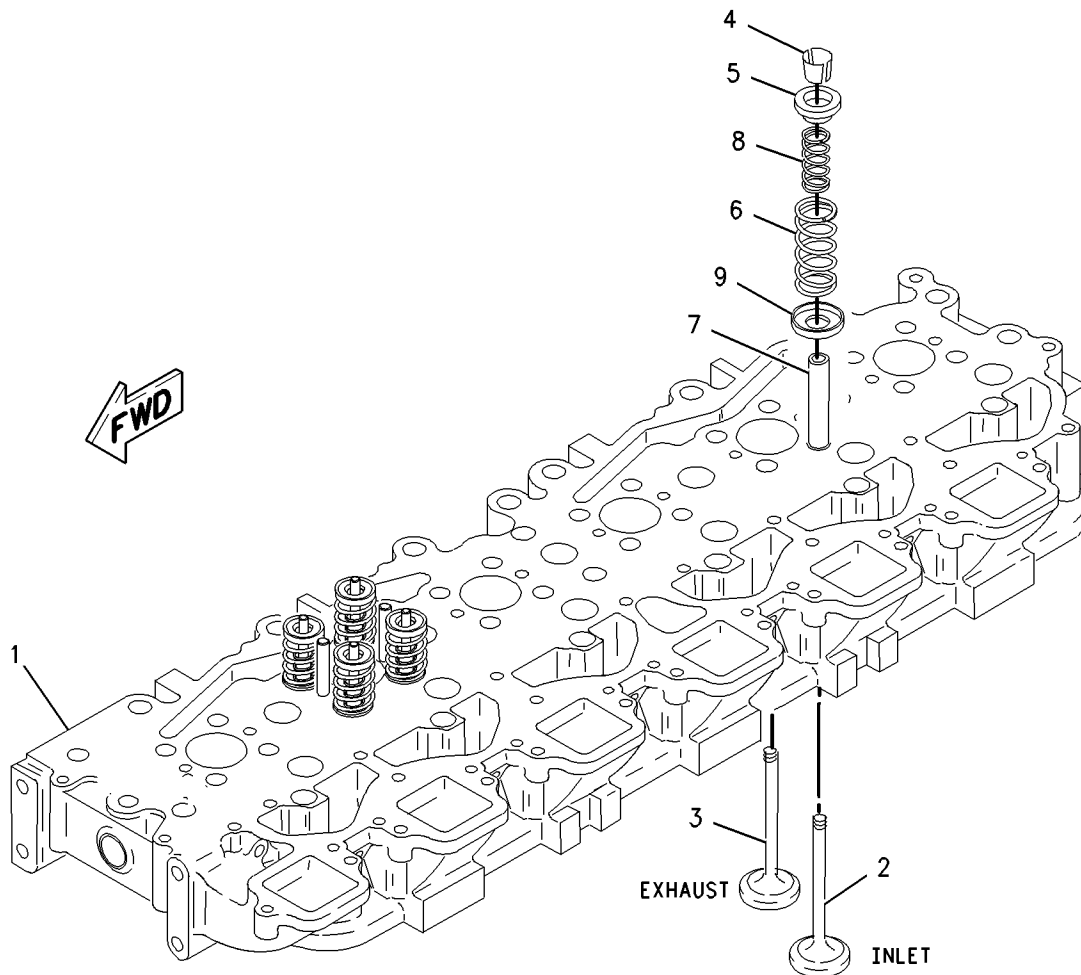
PART OF 214-1665 CYLINDER HEAD GP
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,
1115, 1117, 1121, 1124, 1125

i01655214

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
Y	1	1	110-5099	1	CYLINDER HEAD GP	61
	2	1	122-0322	12	VALVE - INLET	
	3	1	122-0321	12	VALVE - EXHAUST	
	4	1	2A-4429	48	LOCK-RETAINER	
	5	1	4W-2474	24	ROTOCOIL AS	
	6	1	4W-2471	24	SPRING-VALVE	
	7	1	122-7374	24	GUIDE-VALVE	
	8	1	4W-2472	24	SPRING-VALVE	
	9	1	4W-2473	24	WASHER-VALVE SPRING GUIDE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00848816

BASIC ENGINE

4P-5893 DAMPER GP

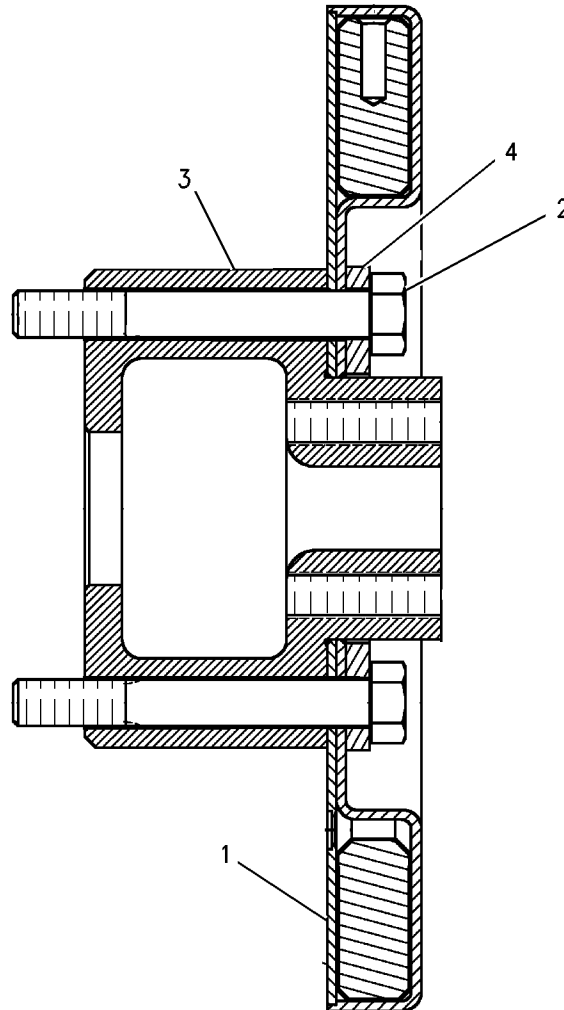
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1205

i01502950

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	167-8126	1	DAMPER AS						
	2	1	1A-3203	6	BOLT (5/8-18X4.75IN)						
	3	1	4N-2109	1	ADAPTER-DAMPER						
	4	1	168-2100	1	SPACER						



GRAPHIC #1

g00643655

BASIC ENGINE

109-9811 DRIVE GP-FAN

S/N: 9EM1-UP

SMCS-1357, 1358, 1359, 1390

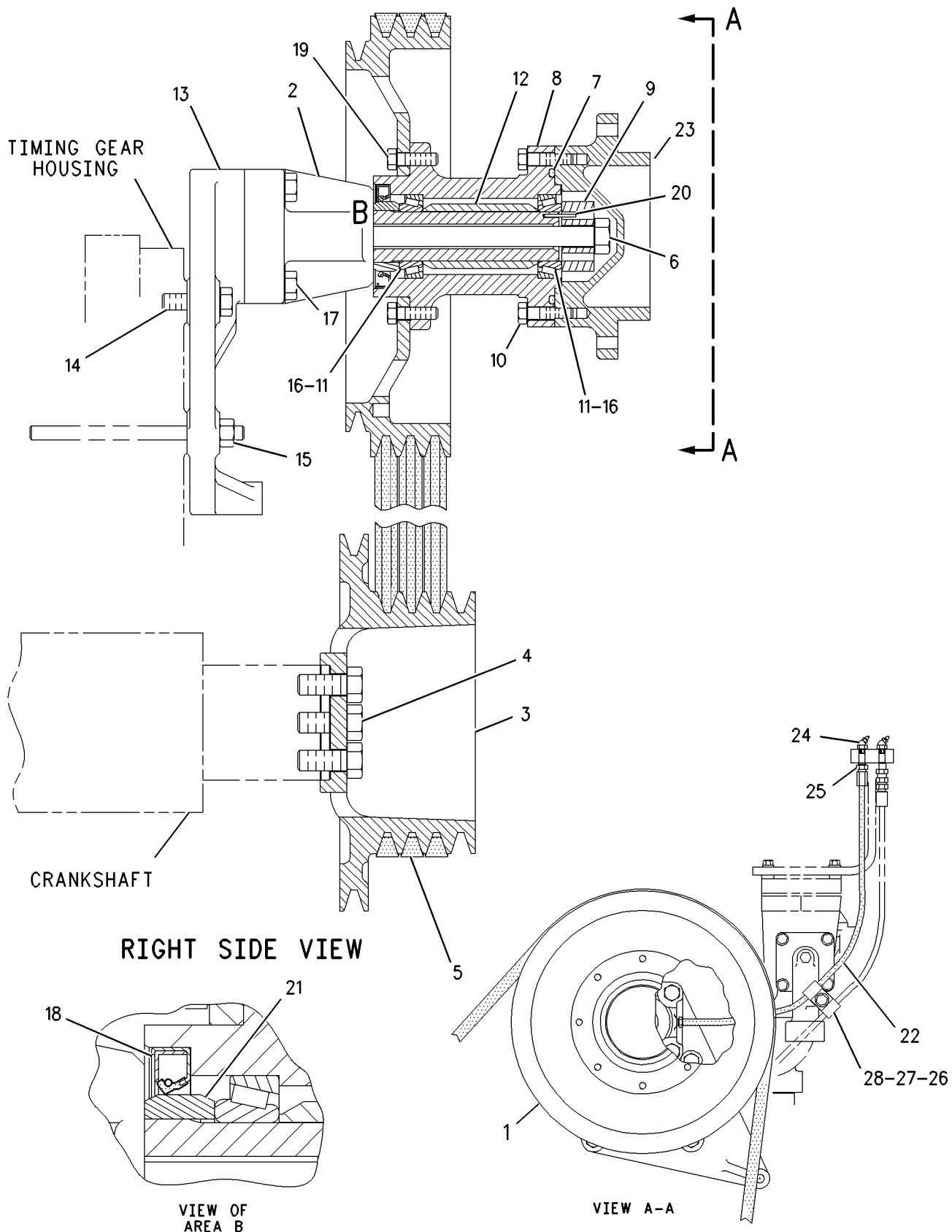
i01472961

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7E-3641	1	PULLEY-FAN DRIVE (3 GROOVE)	
	2	1	4P-3877	1	BRACKET AS-FAN	
		1	4P-3875	1	SHAFT-FAN	
	3	1	4N-4534	1	PULLEY-CRANKSHAFT (4 GROOVE)	
	4	1	0S-1566	4	BOLT (5/8-11X1.5 IN)	
	5	1	118-2018	1	V-BELT SET (INCLUDES 3 BELTS) (STANDARD APPLICATIONS)	
					-OR-	
A		1	9Q-3668	1	V-BELT-BANDED (DEBRIS LADEN APPLICATIONS)	
	6	1	1D-4602	1	BOLT (5/8-11X9.5 IN)	
	7	1	5F-0149	1	SEAL-O-RING	
	8	1	4P-3878	1	HUB-FAN PULLEY	
	9	1	1W-4564	1	WASHER-RETAINING	
	10	1	3B-1915	6	BOLT (3/8-16X1.37 IN)	
	11	1	9W-3620	2	CONE-BEARING	
	12	1	4P-3874	1	SPACER	
	13	1	110-6936	1	SUPPORT	
	14	1	8T-8919	2	BOLT (1/2-13X1.75 IN)	
	15	1	6V-8188	2	NUT (1/2-13 THD)	
	16	1	9W-3621	2	CUP-BEARING	
	17	1	8T-4835	4	BOLT (1/2-13X2 IN)	
	18	1	8B-8255	1	SEAL-LIP	
	19	1	0S-1588	6	BOLT (3/8-16X1.25 IN)	
	20	1	5M-8009	1	PIN-SPRING	
	21	1	9Y-7889	1	SPACER	
	22	1	8S-2388	1	HOSE AS-FLEXIBLE	
	23	1	119-4763	1	ADAPTER	
	24	1	3B-8485	1	FITTING-GREASE	
	25	1	8L-6557	1	CONNECTOR	
	26	1	5P-9297	1	CLIP	
	27	1	5M-3062	1	BOLT (3/8-16X0.75 IN)	
	28	1	8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)	
AB		1	9S-3263		COMPOUND-THREAD LOCK	
A-NOT PART OF THIS GROUP						
B-USE AS REQUIRED						

BASIC ENGINE

109-9811 DRIVE GP - FAN (contd.)

i01472961



GRAPHIC #1

g00712715

BASIC ENGINE

125-8523 DRIVE GP-FAN

S/N: 9EM1-UP

PART OF 124-4818 FAN AR-EJECTOR
AN ATTACHMENT

SMCS-1357, 1358, 1359, 1390

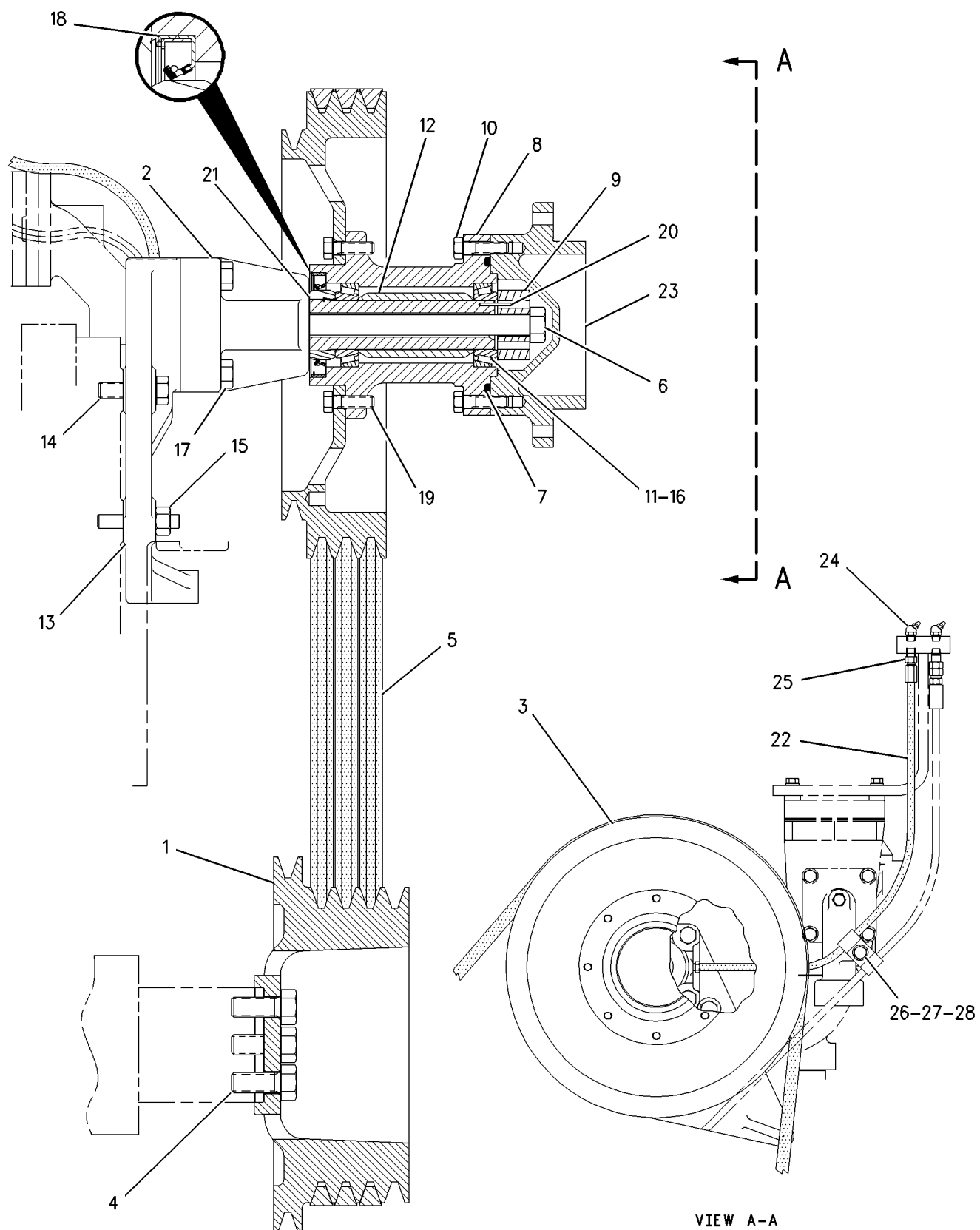
i01488409

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8595	1	PULLEY - CRANKSHAFT						
	2	1	4P-3877	1	BRACKET AS- FAN						
		1	4P-3875	1	SHAFT- FAN						
	3	1	4N-8596	1	PULLEY- FAN DRIVE						
	4	1	0S-1566	4	BOLT (5/8-11X1.5 IN)						
	5	1	129-2416	1	V-BELT SET (INCLUDES 3 BELTS)						
					(STANDARD APPLICATIONS)						
					-OR-						
A		1	9Q-3670	1	V-BELT- BANDED						
					(DEBRIS LADEN APPLICATIONS)						
	6	1	1D-4602	1	BOLT (5/8-11X9.5 IN)						
	7	1	5F-0149	1	SEAL- O- RING						
	8	1	4P-3878	1	HUB- FAN PULLEY						
	9	1	1W-4564	1	WASHER- RETAINING						
	10	1	3B-1915	6	BOLT (3/8-16X1.37 IN)						
	11	1	9W-3620	2	CONE- BEARING						
	12	1	4P-3874	1	SPACER						
	13	1	110-6936	1	SUPPORT						
	14	1	8T-8919	2	BOLT (1/2-13X1.75 IN)						
	15	1	6V-8188	2	NUT (1/2-13 THD)						
	16	1	9W-3621	2	CUP- BEARING						
	17	1	8T-4835	4	BOLT (1/2-13X2 IN)						
	18	1	8B-8255	1	SEAL- LIP						
	19	1	0S-1588	6	BOLT (3/8-16X1.25 IN)						
	20	1	5M-8009	1	PIN- SPRING						
	21	1	9Y-7889	1	SPACER						
	22	1	8S-2388	1	HOSE AS- FLEXIBLE						
	23	1	119-4763	1	ADAPTER						
	24	1	3B-8485	1	FITTING- GREASE						
	25	1	8L-6557	1	CONNECTOR						
	26	1	5P-9297	1	CLIP						
	27	1	5M-3062	1	BOLT (3/8-16X0.75 IN)						
	28	1	8T-4896	1	WASHER- HARD (10.2X18.5X2.5MM THK)						
A- NOT PART OF THIS GROUP											

BASIC ENGINE

125 - 8523 DRIVE GP - FAN (contd.)

i01488409



GRAPHIC #1

g00690338

BASIC ENGINE

4N-6006 FASTENER GP-FRONT HOUSING

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

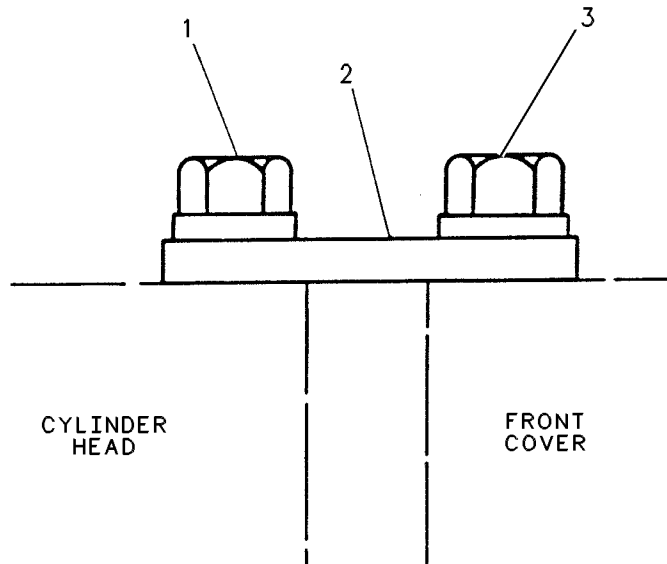
SMCS-1151

i00142506

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	1A-2029	3	BOLT (3/8-16X1.125IN)						
C		1	5M-2894	3	WASHER (2.5MM THK)						
	2	1	4N-4107	1	PLATE						
CB	3	1	1A-2029	1	BOLT (3/8-16X1.125IN)						
CB		1	5M-2894	1	WASHER (2.5MM THK)						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00111249

BASIC ENGINE

1W-7505 FLYWHEEL GP

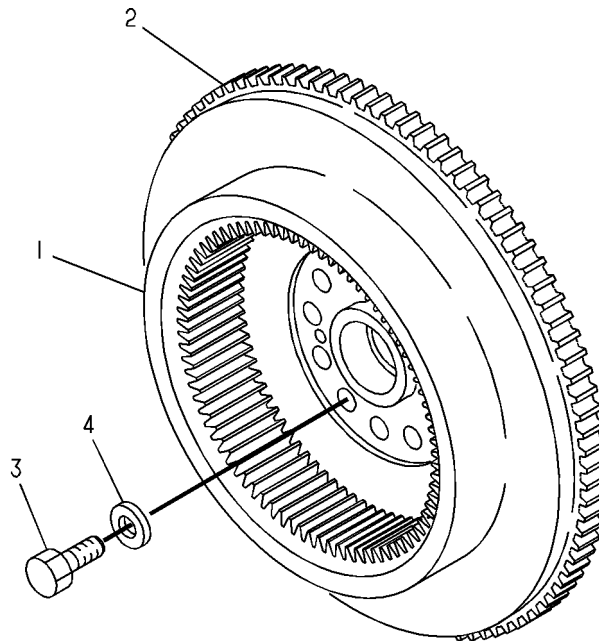
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1156, 1158

i00569910

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-9750	1	FLYWHEEL AS						
	2	1	4N-2514	1	GEAR (113 TEETH)						
	3	1	0S-1602	12	BOLT (5/8-18X3.5IN)						
	4	1	4D-3704	12	WASHER-HARD (5MM THK)						



GRAPHIC #1

g00177852

BASIC ENGINE

8N-9246 GEAR GP-FRONT

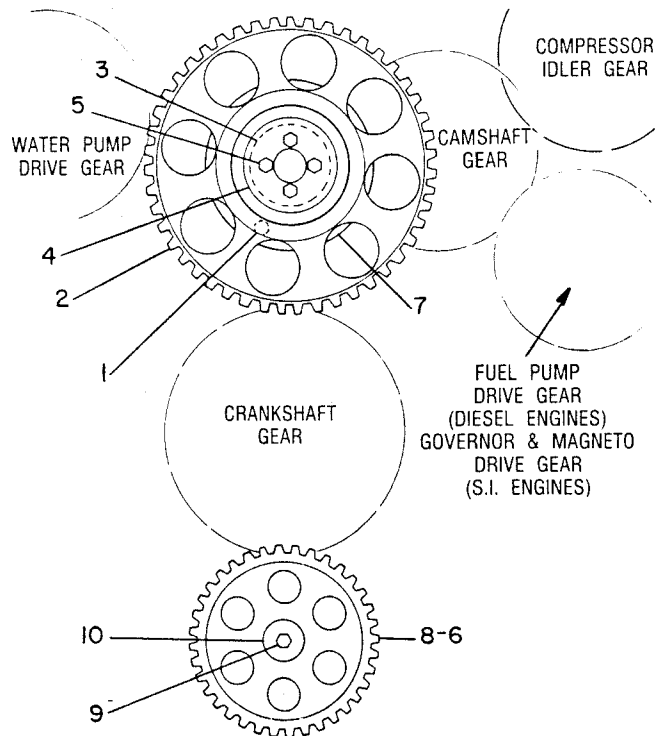
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1206

i00149348

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3G-2292	5	BOLT-LOCKING						
	2	1	2W-7455	1	GEAR AS-IDLER (42 & 105 TEETH)						
		1	1B-8705	1	KEY-WOODRUFF						
	3	1	4N-0343	1	BEARING-SLEEVE						
	4	1	112-9217	1	PLATE-THRUST						
	5	1	126-1756	4	BOLT-LOCKING						
	6	1	1B-8705	1	KEY-WOODRUFF						
	7	1	6I-0093	1	SHAFT-IDLER						
	8	1	7E-5661	1	GEAR-OIL PUMP DRIVE (69 TEETH)						
	9	1	0S-1571	1	BOLT (3/8-16X1.75IN)						
	10	1	1P-7346	1	WASHER						



GRAPHIC #1

g00108337

MEMORANDA

BASIC ENGINE

9Y-2187 GEAR GP-REAR

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1204

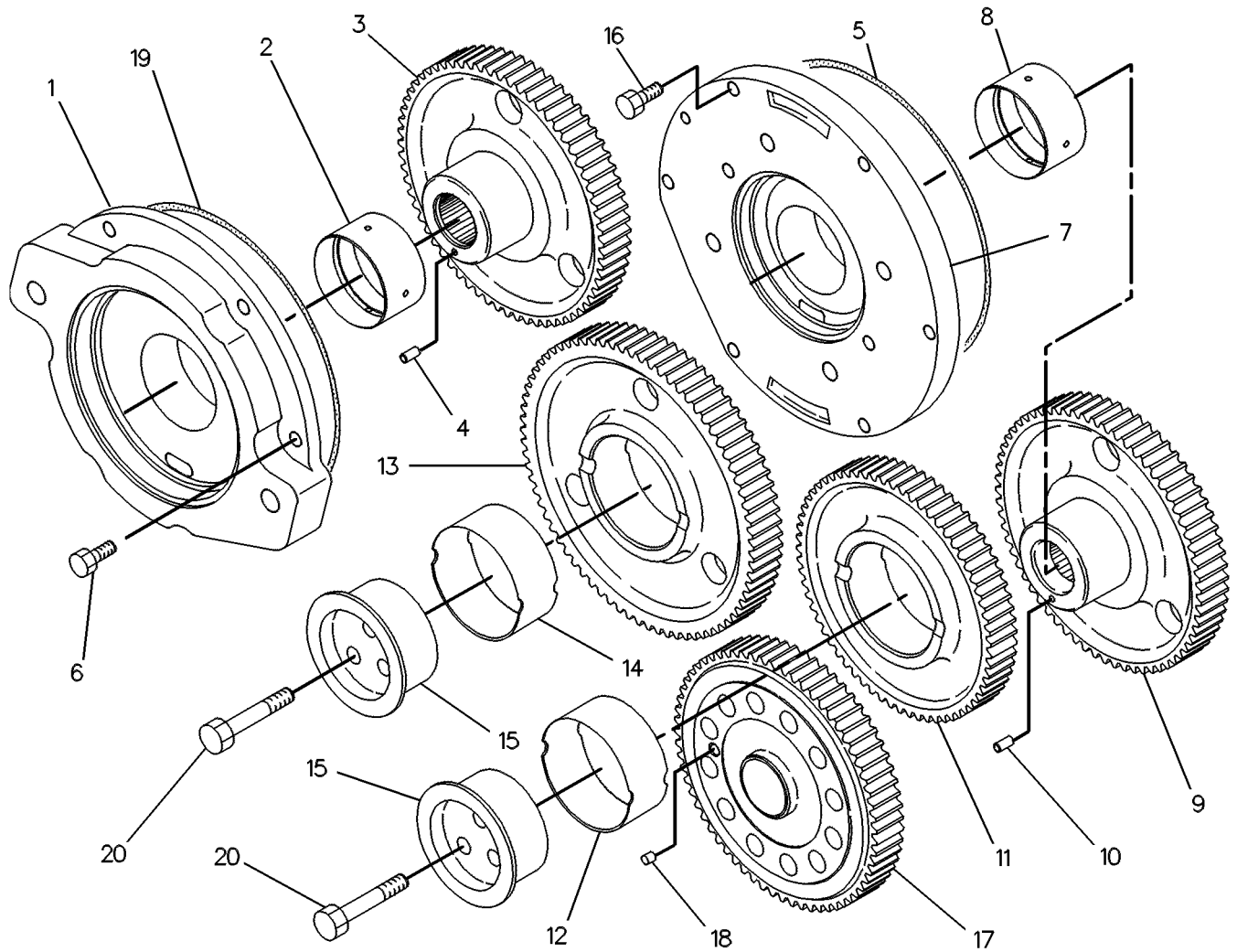
i00569712

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-3201	1	ADAPTER AS-PUMP						
	2	1	8M-9315	1	BEARING-SLEEVE						
	3	1	131-8674	1	GEAR AS-DRIVE (57 TEETH)						
	4	1	4F-6024	1	PIN						
	5	1	6V-5141	1	SEAL-O-RING						
	6	1	0S-1588	6	BOLT (3/8-16X1.25IN)						
	7	1	101-3670	1	ADAPTER AS-PUMP						
	8	1	8M-9315	1	BEARING-SLEEVE						
	9	1	9Y-5618	1	GEAR AS-DRIVE (68 TEETH)						
	10	1	4F-6024	1	PIN						
	11	1	9Y-1985	1	GEAR AS-IDLER (55 TEETH)						
	12	1	1W-4738	1	BEARING-SLEEVE						
	13	1	9Y-1981	1	GEAR AS-IDLER (78 TEETH)						
	14	1	1W-4738	1	BEARING-SLEEVE						
	15	1	9Y-2092	2	RETAINER-IDLER						
	16	1	3B-1915	6	BOLT (3/8-16X1.375IN)						
	17	1	9Y-2094	1	GEAR AS-CRANKSHAFT (68 TEETH)						
	18	1	4N-0684	1	DOWEL						
	19	1	3F-1547	1	SEAL-O-RING						
	20	1	1A-1460	6	BOLT (1/2-13X2IN)						

BASIC ENGINE

9Y-2187 GEAR GP-REAR (contd.)

i00569712



GRAPHIC #1

g00234914

BASIC ENGINE

100-2879 HOUSING GP-FLYWHEEL

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1157

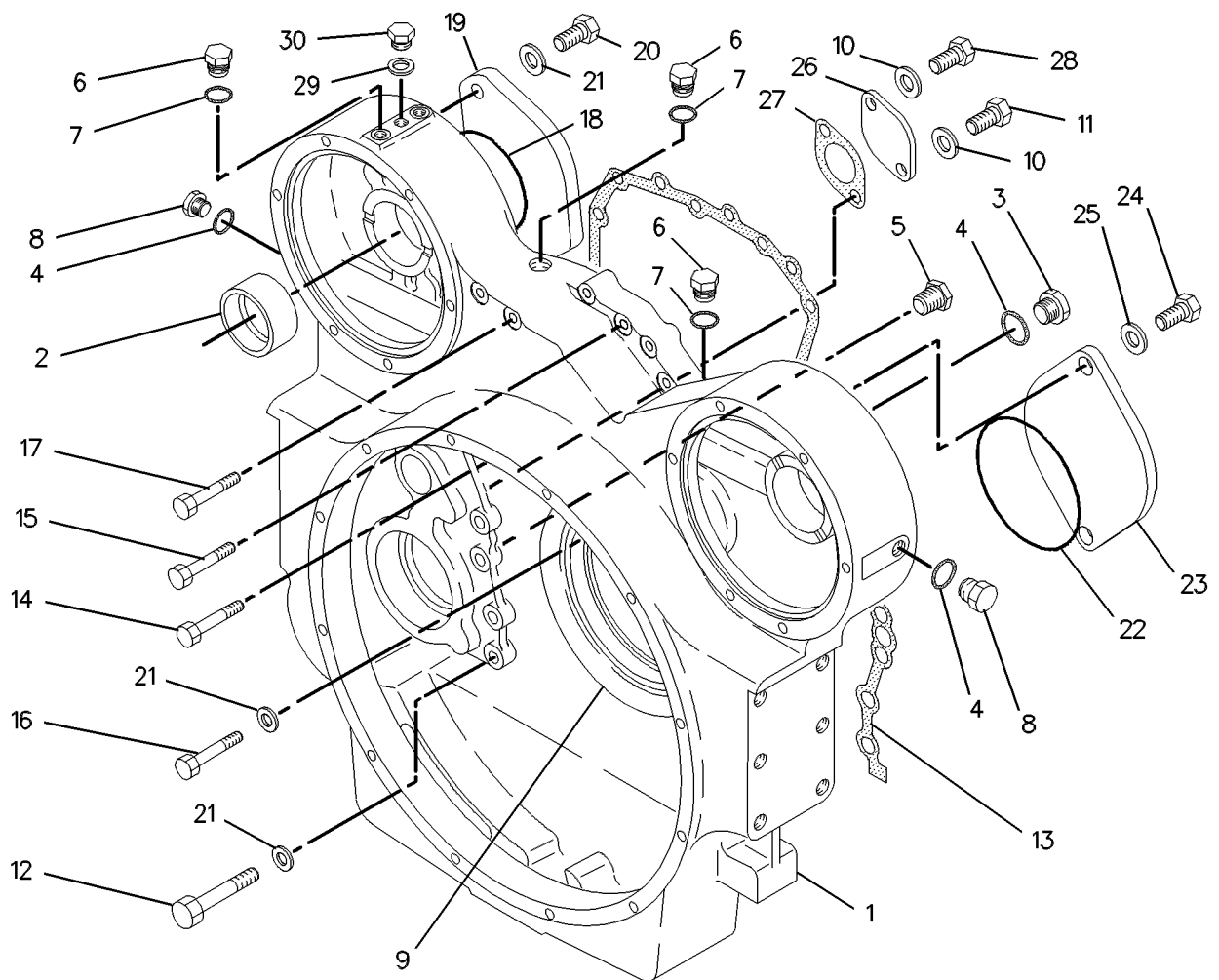
i01502954

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	100-2878	1	HOUSING AS-FLYWHEEL						
	2	1	8M-9315	2	BEARING-SLEEVE						
	3	1	9S-8005	2	PLUG						
	4	1	3K-0360	4	SEAL-O-RING						
	5	1	8T-6765	2	PLUG-PIPE						
	6	1	9S-4182	4	PLUG-O-RING						
	7	1	3J-7354	4	SEAL-O-RING						
	8	1	9S-4185	2	PLUG-O-RING						
	9	1	1W-3136	1	BAFFLE						
	10	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	11	1	0S-1594	1	BOLT (3/8-16X1 IN)						
	12	1	9K-7290	8	BOLT-12 POINT HEAD (1/2-13X3.25IN)						
	13	1	155-5619	1	GASKET-FLYWHEEL						
	14	1	165-3930	6	BOLT-HEX HEAD (3/8-16X1.625IN)						
	15	1	165-3932	5	BOLT-HEX HEAD (3/8-16X2IN)						
	16	1	5J-5793	1	BOLT-12 POINT HEAD (1/2-13X1.75 IN)						
	17	1	165-3936	2	BOLT-HEX HEAD (3/8-16X4.5IN)						
	18	1	4M-0189	1	SEAL-O-RING						
	19	1	116-3046	1	COVER						
	20	1	0S-1585	2	BOLT (1/2-13X1.50 IN)						
	21	1	5P-8245	11	WASHER-HARD (13.5X25.5X3MM THK)						
	22	1	5P-8286	1	SEAL-O-RING						
	23	1	101-3934	1	COVER						
	24	1	4B-4043	2	BOLT (5/8-11X1.375 IN)						
	25	1	5P-8247	2	WASHER-HARD (17X32X3.5MM THK)						
	26	1	2P-2772	1	COVER						
	27	1	4N-0933	1	GASKET						
	28	1	0S-1619	1	BOLT (3/8-16X3 IN)						
	29	1	2A-1162	1	GASKET						
	30	1	5F-0304	1	PLUG-DRAIN						

BASIC ENGINE

100-2879 HOUSING GP - FLYWHEEL (contd.)

i01502954



GRAPHIC #1

g00638618

BASIC ENGINE

7W-3656 HOUSING GP-FRONT

S/N: 41Z1-UP

PART OF 105-9697, 111-0593 ENGINE AR
ALSO AN ATTACHMENT

SMCS-1151, 1162, 1166

i00571772

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-1469	1	HOUSING AS-GEAR						
	2	1	2M-4779	5	STUD-TAPERLOCK						
	3	1	5M-6214	1	PLUG-PIPE (1/8-27 THD)						
B	4	1	6F-7012	1	STUD						
	5	1	6F-7012	4	STUD						
B	6	1	6H-0406	1	STUD						
	7	1	124-6016	1	GASKET						
	8	1	1W-1471	1	PLATE-FRONT						
	9	1	140-3130	1	GASKET						
	10	1	1A-2029	7	BOLT (3/8-16X1.125IN)						
	11	1	5P-4255	8	BOLT-LOCKING						
	12	1	0L-1352	2	BOLT (3/8-16X3.25IN)						
	13	1	0T-0055	2	BOLT (3/8-16X4.25IN)						
	14	1	5M-2894	22	WASHER (2.5MM THK)						
	15	1	1N-3181	2	STUD						
	16	1	6B-2250	2	GASKET						
	17	1	8M-4447	1	SEAL (12.29MM ID)						
	18	1	2A-4639	7	BOLT (3/8-16X1.625IN)						
	19	1	8S-9191	1	BOLT (3/8-16X4IN)						
	20	1	9S-8752	1	NUT-FULL (3/8-16 THD)						
	21	1	1B-2886	1	BOLT (1/2-13X3.75IN)						
	22	1	1F-7958	1	NUT-FULL (1/2-13 THD)						
	23	1	1W-1898	1	GASKET						
	24	1	7W-6992	1	COVER AS						
	25	1	9M-4007	1	DOWEL						
	26	1	5P-8245	2	WASHER (3MM THK)						

B-USE AS REQUIRED

BUY NOW

**Then Instant Download
the Complete Manual
Thank you very much!**