

ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	3901019	10	(.8 thick)	
-	Seal, Rear Crank	1	3906410	16		
2	Cover, Rear	1	3902674	10	(Die Cast)(Note #3)	2675
3	Seal, Rear Crank	1	3904089	15	(See Notes 6 & 7)	4173
4	"O" Ring	1	3901397	15	158.12 dia. x 533	830
5	Screw, Hex Head Cap	6	3900627	15	M6-1.00 x 14 (flg)	638
6	Dowel, Ring				(See Note #1)	
7	Housing, Flywheel	1	3903282	10	Arm Mount (Notes 2 & 5)	
8	Screw, Hex Head Cap	8	3901408	15	M12-1.75 x 40 (flg).	638
9	Plate, Cover	1	3901399	10	3.18 thick	
10	Screw, Self Tap Metal	2	3902735	15	M8-1.25 x 21.0	
11	Seal, "O" Ring	1	3904469	10		830
12	Plug, "O" Ring	1	3904470	10	See Note #4	
13	Plug, Threaded (Plastic)	1	3904181	15	3/4-16UNF	
Note #1: Item #6 is listed for reference only (see Page 2, Sec. A for part number. Dowel is pressed into cylinder block prior to hsg. installation. #2: The hsg. bore diameter is 409.58 with (12) M10-1.5 x 25 tapped holes on a 428.62 dia. bolt circle. The starter mtg. tapped holes are M10-1.50 x 30. There are (4) M12-1.75 x 26.0 & (2) M12-1.75 thru tapped holes on each mounting pad. #3: Sand cast version of rear cover is 3901018. #4: This plug is used to seal the access hole for Eng. Barring Gear 3904682. #5: 3903282 is the permanent mold P/N. It supersedes 3902256. #6: 3904087 is the development P/N for aluminum rear crank seal. #7. For service kit see 3904323.						

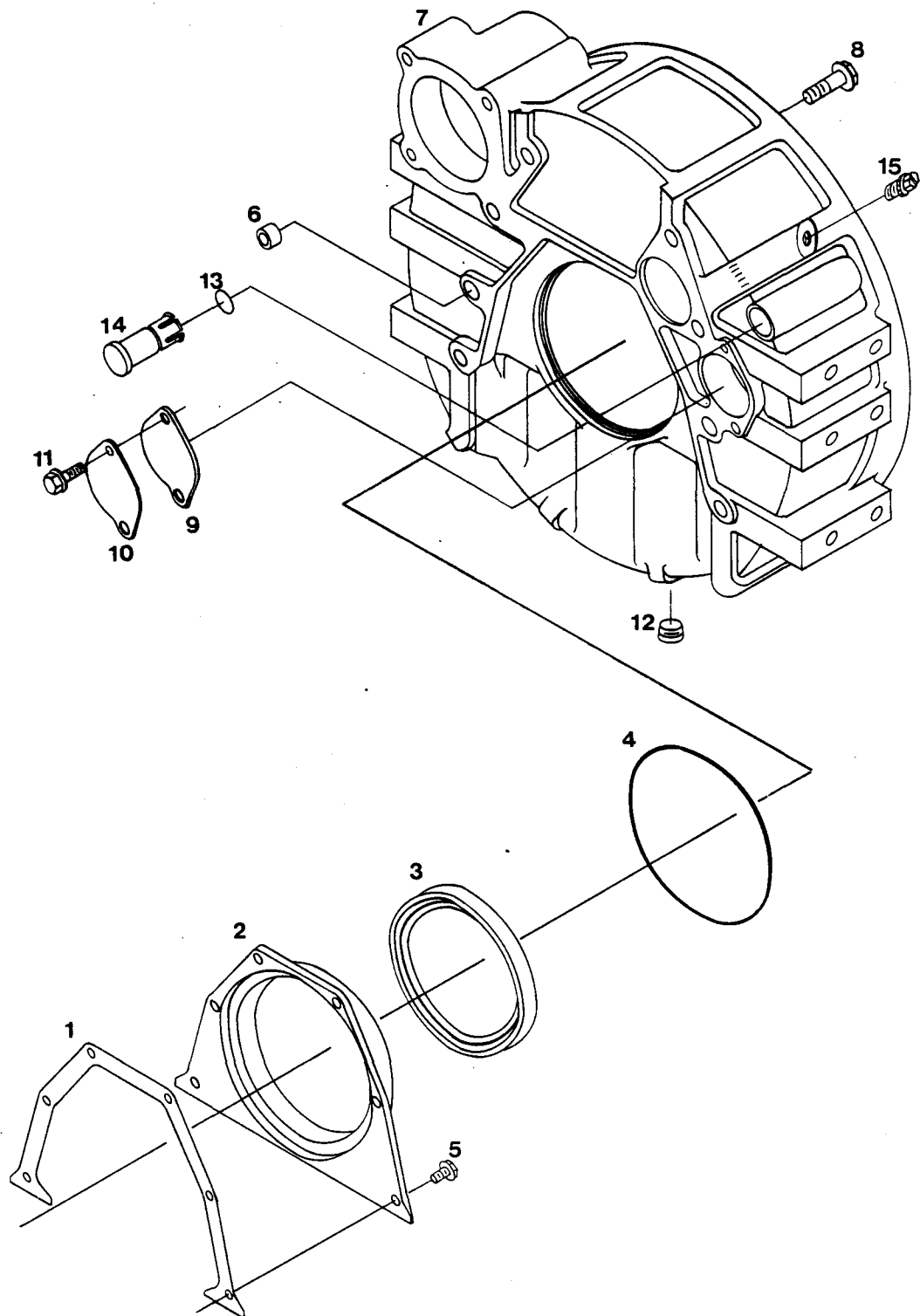
HOUSING, FLYWHEEL

S.A.E. 3

202

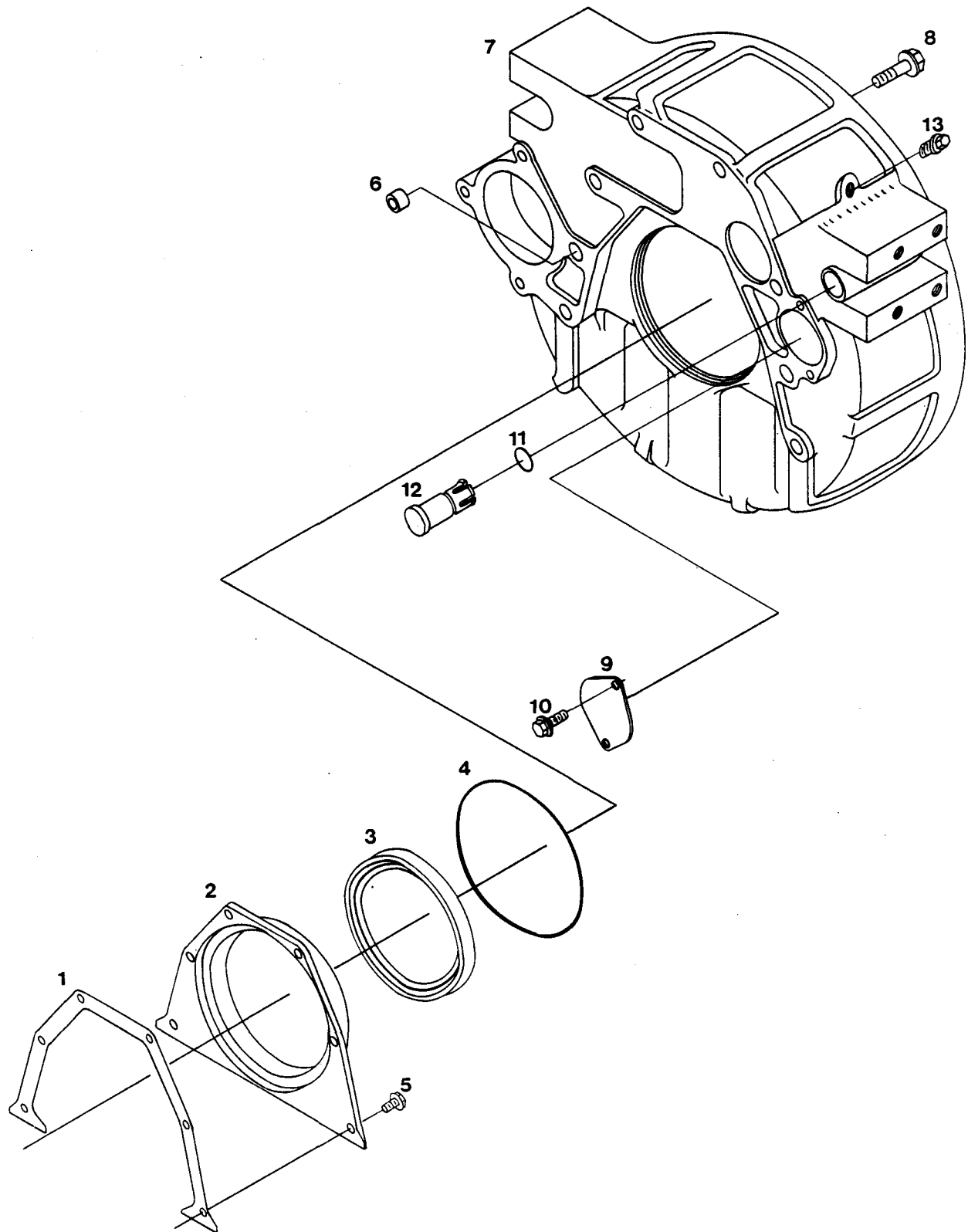
FH9010

WET

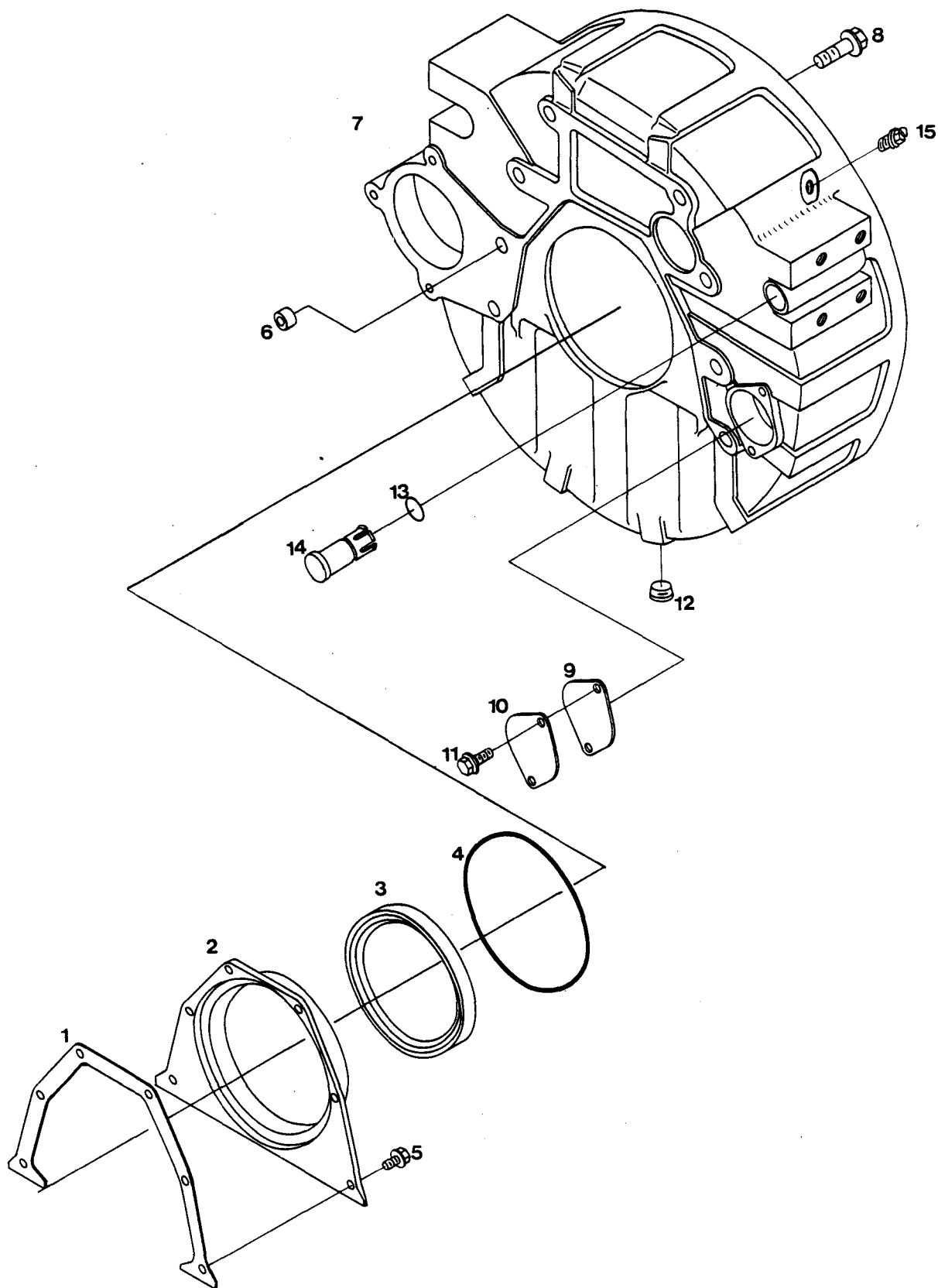


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	3901019	10	(.8 thick)	
-	Seal, Rear Crank	1	3906416	16		
2	Cover, Rear	1	3902674	10	(Die Cast)(Note #4)	2675
3	Seal, Rear Crank	1	3904090	15	(See Notes 7 & 8)	4173
4	"O" Ring	1	3901397	15	158.12 dia. x 533	830
5	Screw, Hex Head Cap	6	3900627	15	M6-1.00 x 14 (flg)	638
6	Dowel, Ring				(See Note #1)	
7	Housing, Flywheel	1	3903282	10	Arm Mount (Notes 2 & 6)	
8	Screw, Hex Head Cap	8	3901408	15	M12-1.75 x 40 (flg).	638
9	Gasket, Cover Plate	1	3902734	10	2.40 thk(24060)(Note #3)	
10	Plate, Cover	1	3901399	10	3.18 thick	
11	Screw, Self Tap Metal	2	3902735	15	M8-1.25 x 21.0	
12	Plug, Pipe	1	3008469	15	.75" NPTF	3008240
13	Seal, "O" Ring	1	3904469	10		830
14	Plug, "O" Ring	1	3904470	10	See Note #5	
15	Plug, Threaded (Plastic)	1	3904181	15	3/4-16UNF	
Note 1: Item #6 is listed for reference only (see Page 2, Sec. A for part number. Dowel is pressed into cylinder block prior to hsg. installation. #2: The hsg. bore diameter is 409.58 with (12) M10-1.5 x 25 tapped holes on a 428.62 dia. bolt circle. The starter mtg. tapped holes are M10-1.50 x 30. There are (4) M12-1.75 x 26.0 & (2) M12-1.75 thru tapped holes on each mounting pad. #3: Apply liquid gasket at the block to flywheel housing and starter to flywheel housing mating surfaces in assembly. When a pad type flywheel housing is used in wet applications the (2) center pad mounting capscrews must have a liquid sealant applied before installation. #4: Sand cast version of rear cover is 3901018. #5: This plug is used to seal the access hole for Eng. Barring Gear 3904682. #6: 3903282 is the permanent mold P/N. It supersedes 3902256. #7: 3904087 is the development P/N for aluminum rear crank seal. #8: For service kit see 3904354						

HOUSING, FLYWHEEL	S.A.E. 3	202	FH9015	DRY
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ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	3901019	10	(.8 thick)	
-	Seal, Rear Crank	1	3906410	16		
2	Cover, Rear	1	3902674	10	(Die Cast)(Note #4)	2675
3	Seal, Rear Crank	1	3904089	15	(See Notes 6 & 7)	4173
4	"O" Ring	1	3901397	15	158.12 dia. x 533	830
5	Screw, Hex Head Cap	6	3900627	15	M6-1.00 x 14 (flg)	638
6	Dowel, Ring				(See Note #1)	
7	Housing, Flywheel	1	3904717	10	Pad Mount (Notes 2 & 3)	
8	Screw, Hex Head Cap	8	3901408	15	M12-1.75 x 40 (flg).	638
9	Plate, Cover	1	3901399	10	3.18 thick	
10	Screw, Self Tap Metal	2	3902735	15	M8-1.25 x 21.0	
11	Seal, "O" Ring	1	3904469	10		830
12	Plug, "O" Ring	1	3904470	10	See Note #5	
13	Plug, Threaded (Plastic)	1	3904181	15	3/4-16UNF	
Note #1: Item #6 is listed for reference only (see Page 2, Sec. A for part number. Dowel is pressed into cylinder block prior to hsg. installation. #2: The hsg. bore diameter is 409.58 with (12) M10-1.5 x 25 tapped holes on a bolt circle. The starter mtg. tapped holes are M10-1.50 x 30. There are (4) M12-1.75 x 26.0 & (2) M12-1.75 thru tapped holes on each mounting pad. #3: 3903282 is the permanent mold P/N. It supersedes 3902256. #4: Sand cast version of rear cover is 3901018. #5: This plug is used to seal the access hole for Eng. Barring Gear 3904682. #6: 3904087 is the development P/N for aluminum rear crank seal. #7. For service kit see <u>3904323</u>.						



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	3901019	10	(.8 thick)	
-	Seal, Rear Crank	1	3906416	16		
2	Cover, Rear	1	3902674	10	(Die Cast)(Note #4)	2675
3	Seal, Rear Crank	1	3904090	15	(See Notes 7 & 8)	4173
4	"O" Ring	1	3901397	15	158.12 dia. x 533	830
5	Screw, Hex Head Cap	6	3900627	15	M6-1.00 x 14 (flg)	638
6	Dowel, Ring				(See Note #1)	
7	Housing, Flywheel	1	3904172	10	Pad Mount (Notes 2 & 5)	
8	Screw, Hex Head Cap	8	3901408	15	M12-1.75 x 40 (flg).	638
9	Gasket, Cover Plate	1	3902734	10	2.40 thk(24060)(Note #3)	
10	Plate, Cover	1	3901399	10	3.18 thick	
11	Screw, Self Tap Metal	2	3902735	15	M8-1.25 x 21.0	
12	Plug, Pipe	1	3008469	15	.75" NPTF	3008240
13	Seal, "O" Ring	1	3904469	10		830
14	Plug, "O" Ring	1	3904470	10	See Note #6	
15	Plug, Threaded (Plastic)	1	3904181	15	3/4-16UNF	
Note 1: Item #6 is listed for reference only (see Page 2, Sec. A for part number. Dowel is pressed into cylinder block prior to hsg. installation. #2: The hsg. bore diameter is 447.68 with (12) M10-1.5 x 25 tapped holes on a 466.72 dia. B.C. The starter mounting tapped holes are M10-1.50 x 30.0. There are (4) M12-1.75 x 26.0 & (2) M12-1.75 thru tapped holes on each mounting pad. #3: Apply liquid gasket at the block-to-flywheel housing and starter-to-flywheel housing mating surfaces in assembly. When a pad type flywheel housing is used in wet applications, the (2) center pad mounting capscrews must have a liquid sealant applied before installation. #4: The sand cast version of the rear cover is 3901018. #5: 3903282 is the permanent mold P/N. It supersedes 3902256. #6: This plug is used to seal the access hole for Eng. Barring Gear 3904682. #7: 3904087 is the development P/N for aluminum rear crank seal. #8: For service kit see <u>3904354</u>						

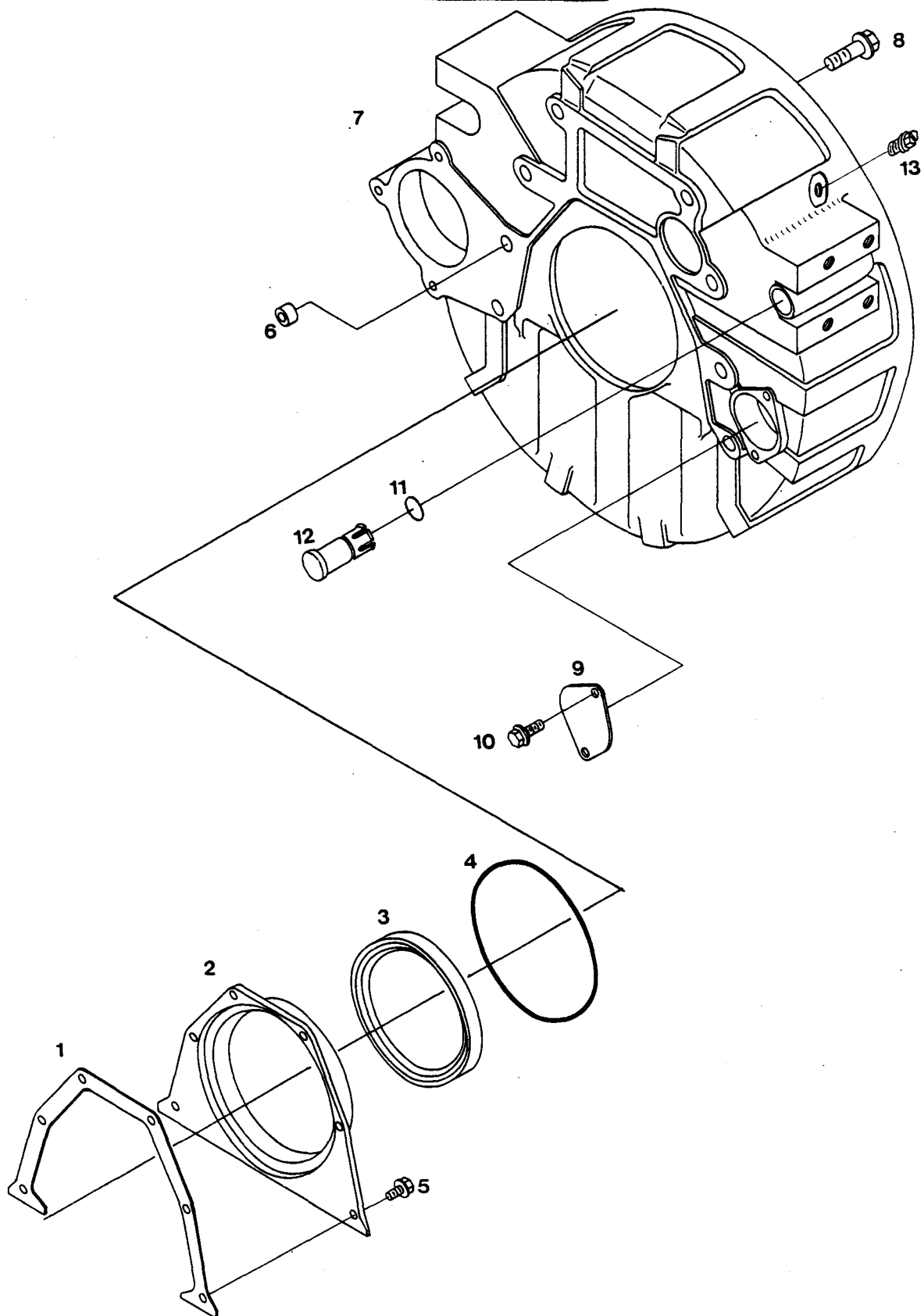
HOUSING, FLYWHEEL

S.A.E. 2

202

FH9020

DRY

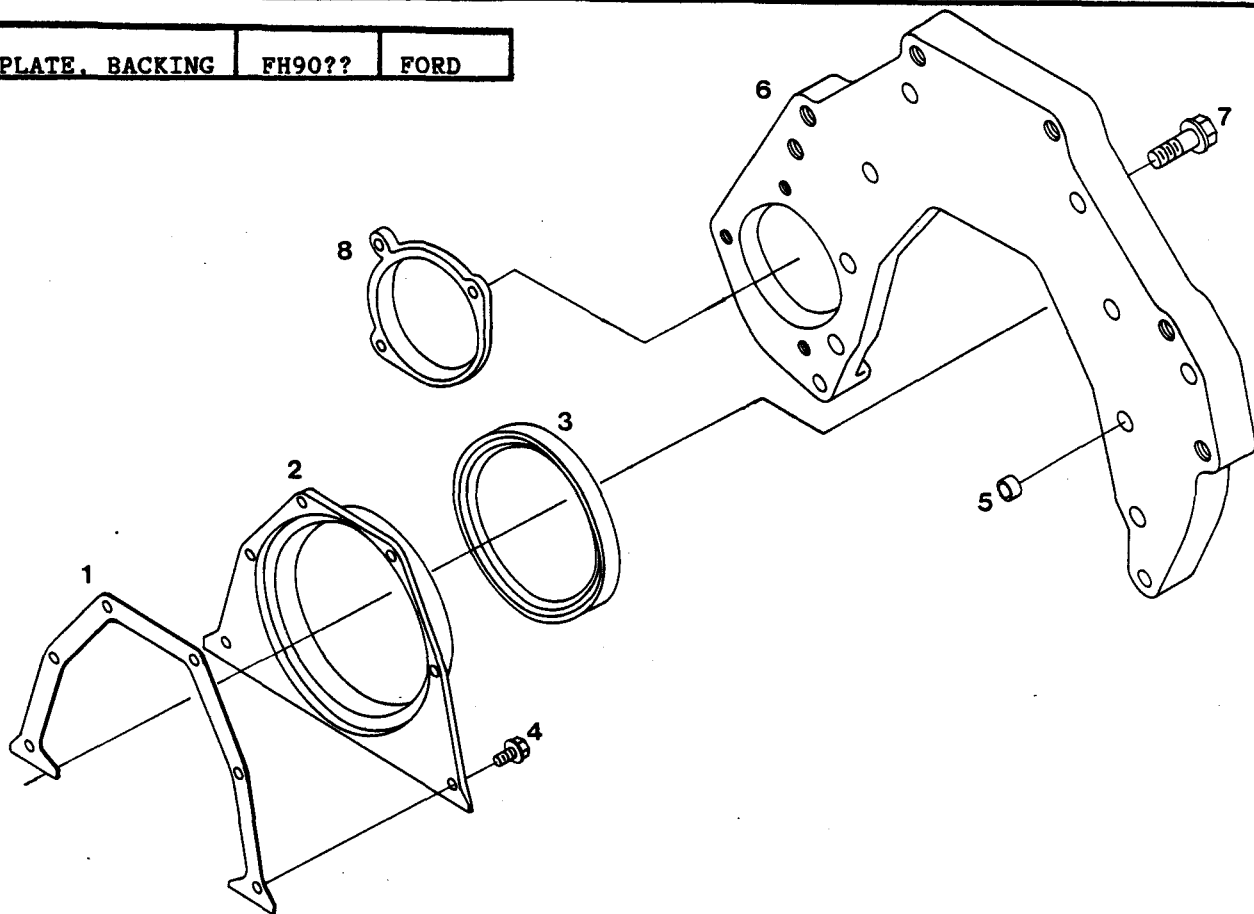


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	3901019	10	(.8 thick)	
-	Seal, Rear Crank	1	3906410	16		
2	Cover, Rear	1	3902674	10	(Die Cast)(Note #4)	2675
3	Seal, Rear Crank	1	3904089	15	(See Notes 6 & 7)	4173
4	"O" Ring	1	3901397	15	158.12 dia. x 533	830
5	Screw, Hex Head Cap	6	3900627	15	M6-1.00 x 14 (flg)	638
6	Dowel, Ring				(See Note #1)	
7	Housing, Flywheel	1	3904172	10	Pad Mount (Notes 2 & 5)	
8	Screw, Hex Head Cap	8	3901408	15	M12-1.75 x 40 (flg).	638
9	Plate, Cover	1	3901399	10	3.18 thick	
10	Screw, Self Tap Metal	2	3902735	15	M8-1.25 x 21.0	
11	Seal, "O" Ring	1	3904469	10		830
12	Plug, "O" Ring	1	3904470	10	See Note #3	
13	Plug, Threaded (Plastic)	1	3904181	15	3/4-16UNF	
Note #1: Item #6 is listed for reference only (see Page 2, Sec. A for part number.) Dowel is pressed into cylinder block prior to hsg. installation. #2: The hsg. bore diameter is 447.68 with (12) M10-1.5 x 25 tapped holes on a 466.72 dia. bolt circle. The starter mtg. tapped holes are M10-1.50 x 30. There are (4) M12-1.75 x 26.0 & (2) M12-1.75 thru tapped holes on each mounting pad. #3: This plug is used to seal the access hole for Eng. Barring Gear 3904682. #4: Sand cast version of rear cover is 3901018. #5: 3903282 is the permanent mold P/N. It supersedes 3902256. #6: 3904087 is the development P/N for aluminum rear crank seal. #7. For service kit see 3904323.						

PLATE, BACKING

FH90??

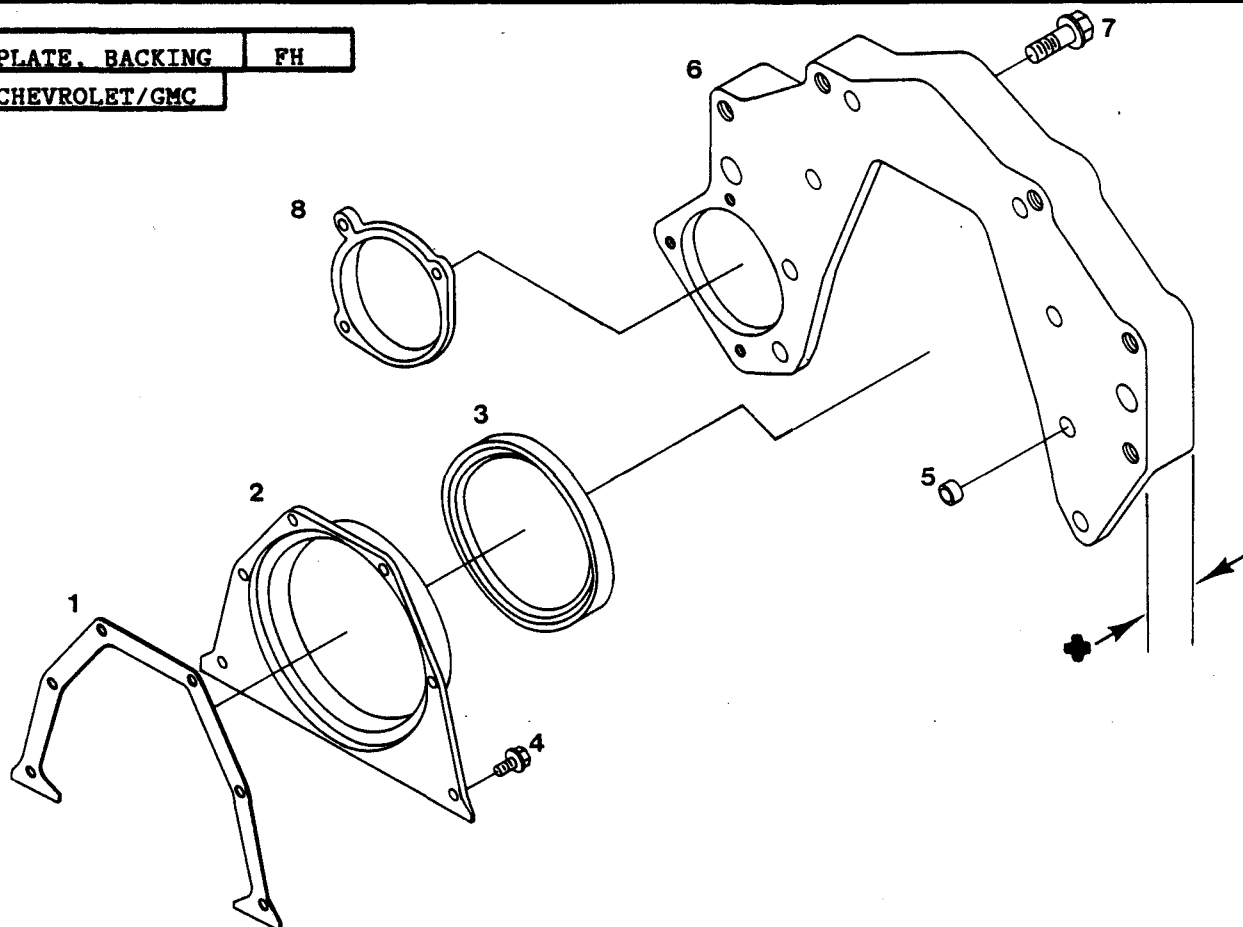
FORD



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Rear Cover	1	390????	10	18 thick	
	- Seal, Rear Crank	1	390????	16		
2	Cover, Rear	1	390????	10	Die Cast	2675
3	Seal, Rear Crank	1	390????	15		4173
4	Screw, Hex Head Cap	6	390????	15	M6-1.00 x 14 (flg)	638
5	Ring, Dowel				(See Note #1)	
6	Plate, Backing	1	390????	10	For use with small block**	
7	Screw, Hex Head Cap	8	390????	15	M12-1.75 x 40(fl g)	638
8	Spacer, Starter	1	390????	10	6 thick	
NOTE #1: Item #5 listed for reference only (See Page 2, Sec. A for P/N). Dowel is pressed into cylinder block prior to housing installation. ** See John Crofts, Jr. for additional information.						

10/03/83

PLATE, BACKING	FH
CHEVROLET/GMC	

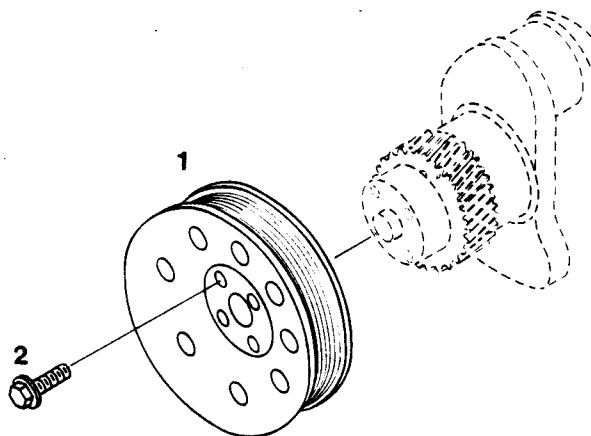


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FH90??					
1	Gasket, Rear Cover	1	390????	10	18 thick	
-	Seal, Rear Crank	1	390????	16		
2	Cover, Rear	1	390????	10	Die Cast	2675
3	Seal, Rear Crank	1	390????	15		
4	Screw, Hex Head Cap	6	390????	15	M6-1.00 x 14 (flg)	638
5	Ring, Dowel				(See Note #1)	
6	Plate, Backing	1	390????	10	For use w/Chevy AT400 Auto.**	
7	Screw, Hex Head Cap	8	390????	15	M12-1.75 x 35 (flg)	638
8	Spacer, Starter	1	390????	10	6.0 thick	
	FH90??					
1	Gasket, Rear Cover	1	390????	10	18 thick	
-	Seal, Rear Crank	1	390????	16		
2	Cover, Rear	1	390????	10	Die Cast	2675
3	Seal, Rear Crank	1	390????	15		
4	Screw, Hex Head Cap	6	390????	15	M6-1.00 x 14 (flg)	638
5	Ring, Dowel				(See Note #1)	
6	Plate, Backing	1	390????	10	For use w/Chevy SM-465 Std.**	
7	Screw, Hex Head Cap	8	390????	15	M12-1.75 x 35 (flg)	638
8	Spacer, Starter	1	390????	10	6.0 thick	

NOTE #1: Item #5 listed for reference only (see Pg. 2, Sec. A for P/N. Dowel is pressed into cyl. block prior to hsg. installation.

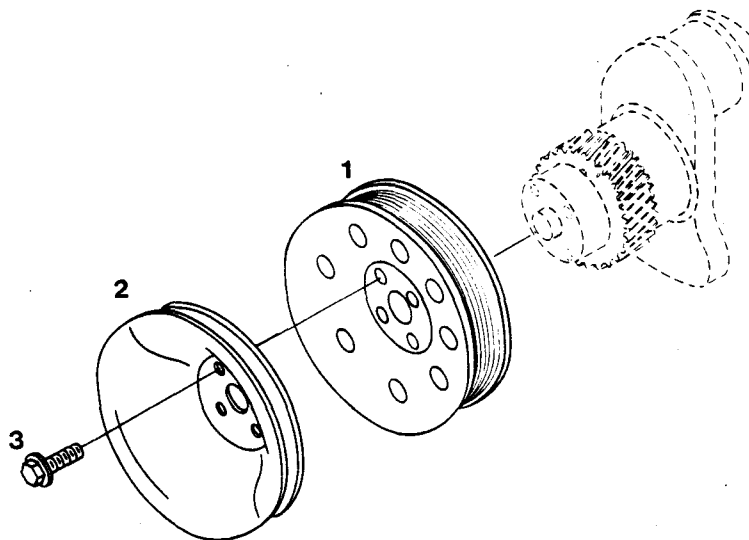
** See John Crofts, Jr. for additional information.

ADAPTER. FRONT DRIVE	301	AF9006	ENGR.
		DA9006	MKTG.



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Pulley, Crank	1	3903858	10	174.0 dia. 8 Groove K Section	3911
2	Screw, Hex Head Cap	4	3903857	15	M12-1.25 x 36 (12.9) (flanged)	638

ADAPTER, FRONT DRIVE	301	AF9007	ENGR
		DA9007	MKTG

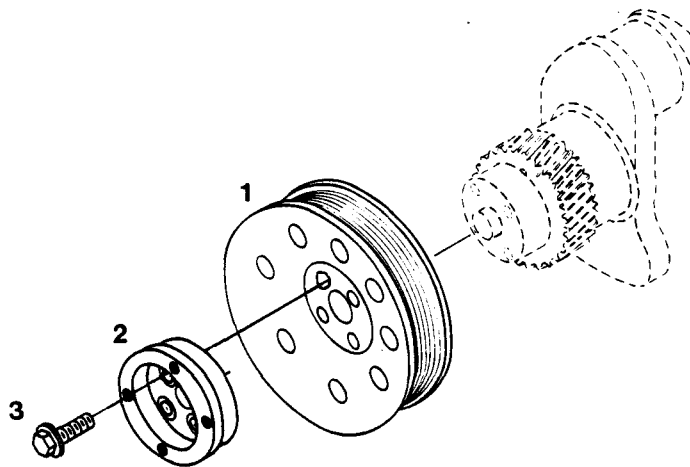


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Pulley, Crank	1	3903858	10	174.0 dia. 8 Groove K Section	3911
2	Pulley, "V" Belt	1	3903826	10	1/2" V, 177.4 dia.	638
3	Screw, Hex Head Cap	4	3903857	10	M12.125 x 36 (12.9) (flanged)	

ADAPTER, FRONT DRIVE

301

AF9002



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	AF9002					
1	Pulley, Crank	1	3903858	10	174.0 dia., 8 Groove K Sec	638
2	Flange, Crankshaft	1	3903829	10	92.0 pilot diameter	
3	Screw, Hex Head Cap	4	3903857	15	M12-1.25 x 36 (flanged)	

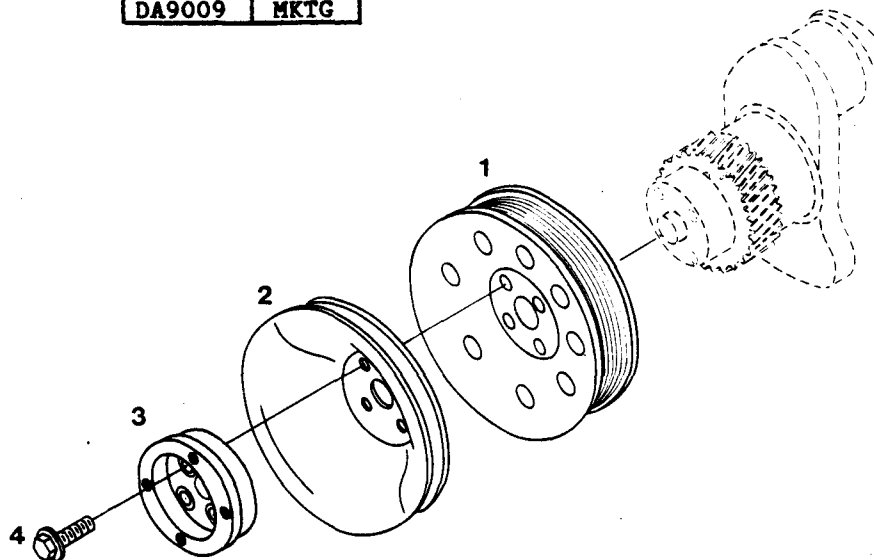
ADAPTER, FRONT DRIVE 301

AF9008

ENGR

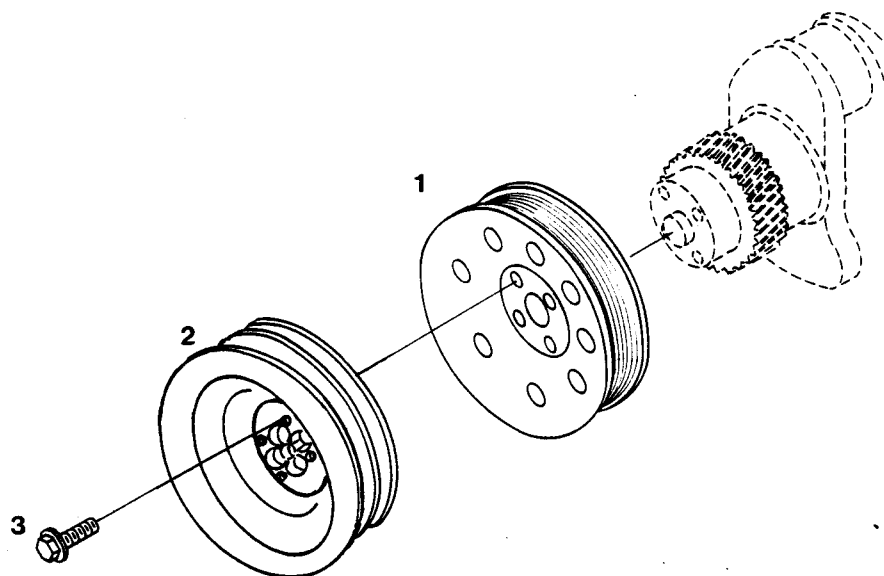
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MKTG



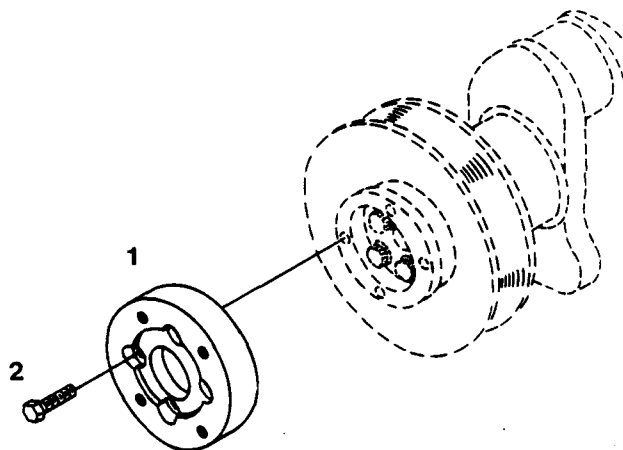
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Pulley, Crank	1	3903858	10	174.0 dia. 8 Groove K Sec.	3911
2	Pulley, "V" Belt	1	3903826	10	1/2" V, 177.4 dia.	
3	Flange, Crankshaft	1	3903829	10	92.0 pilot dia.	4178
4	Screw, Hex Head Cap	4	3903857	15	M12-1.25 x 36 (12.9) (flanged.)	638

ADAPTER, FRONT DRIVE	301	AF9010
		DA9010



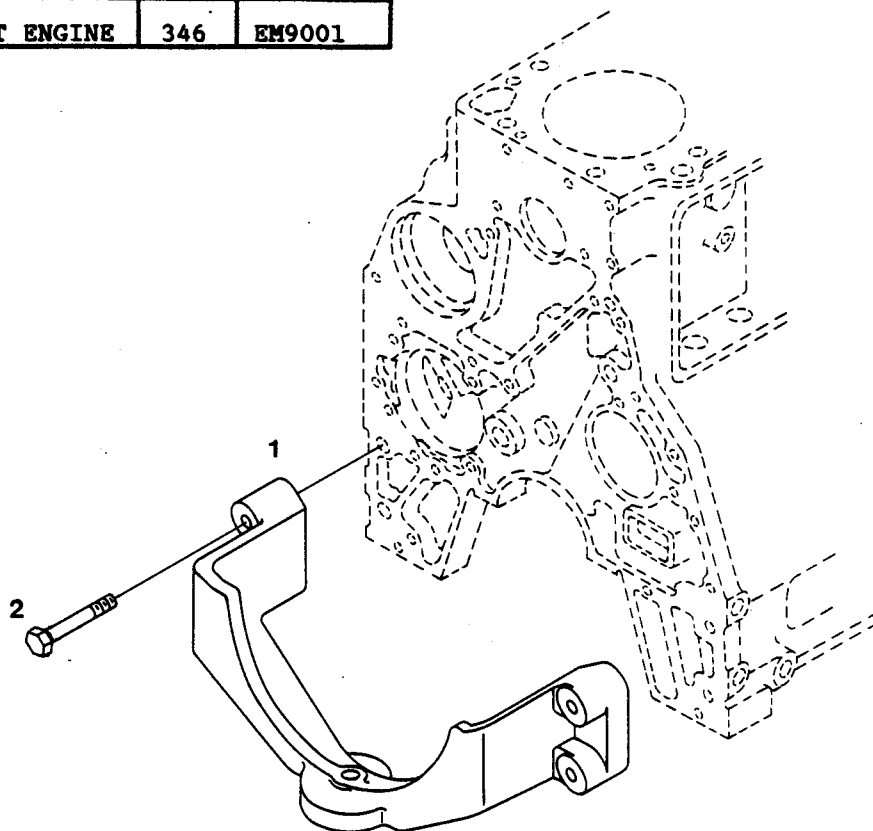
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	AF9010					
1	Pulley, Crank	1	3903858		74 dia., 8 Groove, K Sec.	638
2	Pulley, Crankshaft	1	3905645	10	1/2" V 177.4 dia, 2 Groove	3911
3	Screw, Hex Head Cap	4	3903857	15	M12-1.25 x 36 (flanged)	638

ADAPTER, FRONT DRIVE	301	AF9003	SPICER 1000 & 1100
		AF9004	SPICER 1260 & 1310
		AF9005	SPICER 1350 & 1410



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	AF9003					
1	Flange Companion	1	3903783	10	5/16-24" UNF 4 holes on 2.75" dia. bolt circle 7/16-14UNC x 1"	
2	Screw, Hex Head Cap	4	3904052			
	AF9004					
1	Flange, Companion	1	3903784	10	3/8-24" UNF 4 holes on 3.125" dia. bolt circle 7/16-UNC x 1"	
2	Screw, Hex Head Cap	4	3904052	15		
	AF9005					
1	Flange, Companion	1	3903785	10	7/16-20" UNF 4 Holes on 3.75" dia. bolt circle 7/16-14UNC x 1.0"	
2	Screw, Hex Head Cap	4	3904052	15		

SUPPORT, FRONT ENGINE	346	EM9001
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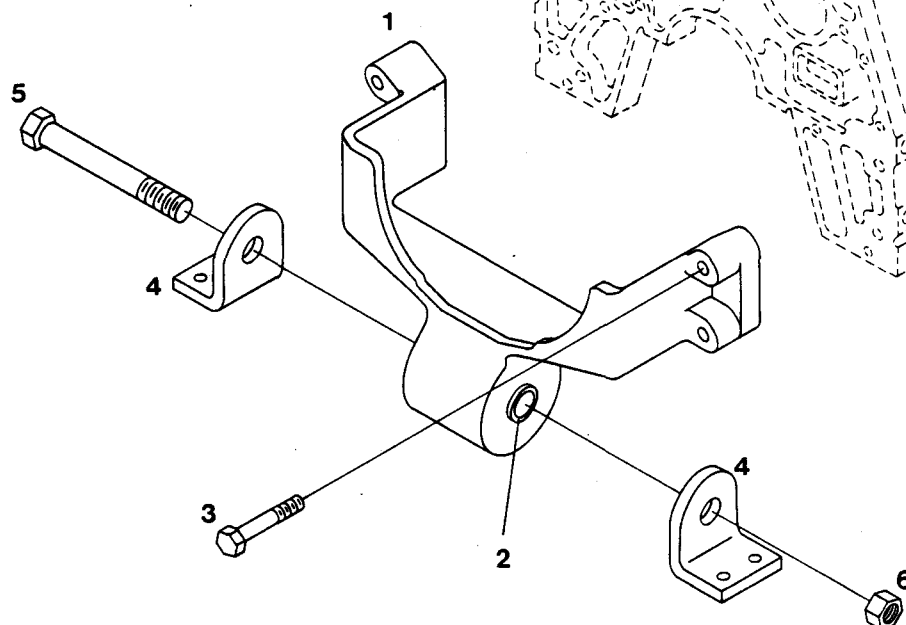


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Support, Front Engine	1	3904402	10	Pad type (see note)	
2	Screw, Hex Head Cap	4	3027671	10	M12-1.75 x 65.0	3022560
NOTE: 3904402 single point support replaces 3902464.						

SUPPORT, FRONT ENGINE

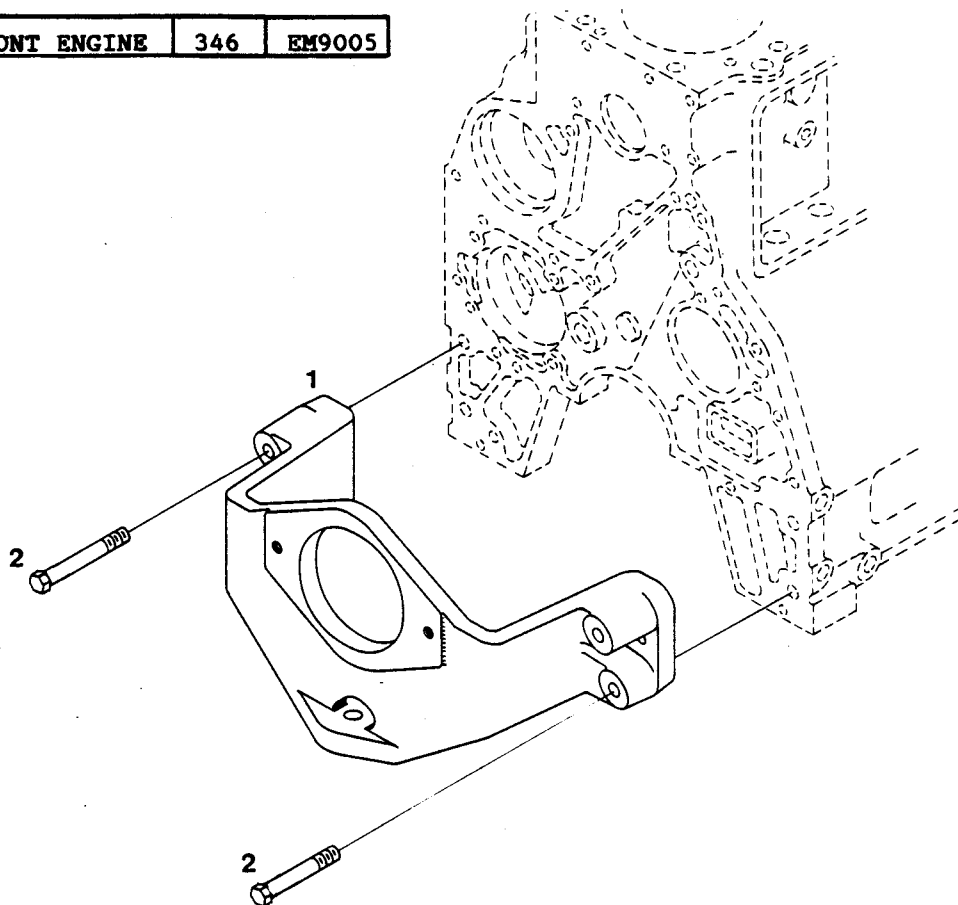
346

EM9004



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Support, Front Engine	1	3904403	10	Replaces 3902587	
2	Isolator, Vibration	1	173093	15	40-45 durometer	173092
3	Screw, Hex Head Cap	4	3027671	15	M12-1.75 x 65	3022560
4	Bracket	2	173773	10		
5	Screw, Hex Head	1	S-114-B	15	3/4-16 UNF x 5 1/2"	
6	Nut	1	S-226	15		

SUPPORT, FRONT ENGINE 346 EM9005



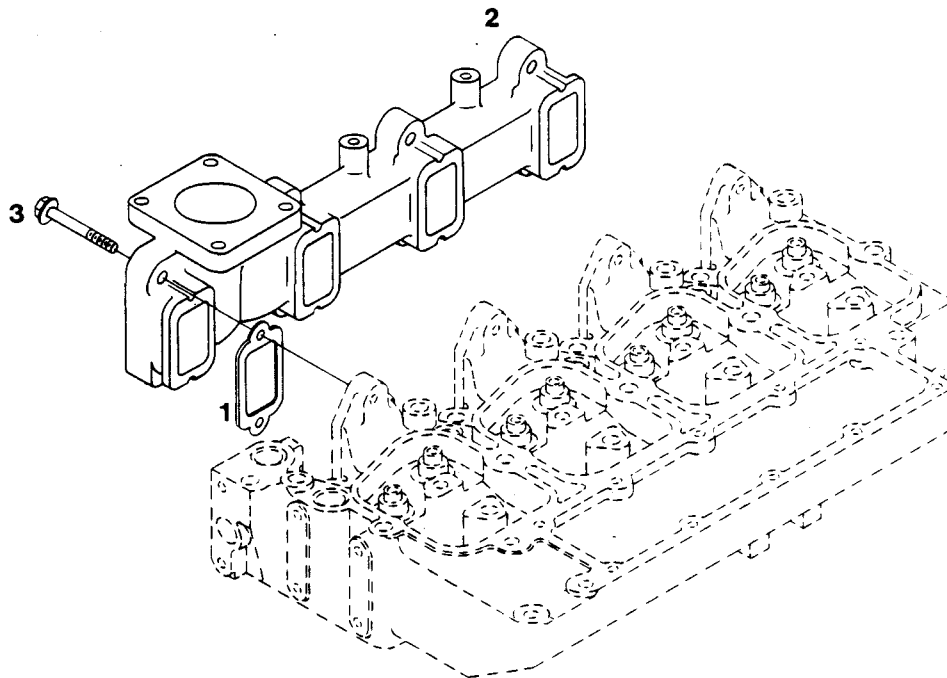
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Support, Front Engine	1	3903795	10	Has provisions for hyd. (See Note) pump mount SAE "B" flg.	
2	Screw, Hex Head Cap	4	3027670	15	M12-1.75 x 80	3022560
NOTE: THIS FRONT ENGINE SUPPORT IS CURRENTLY BEING REDESIGNED.						

10/03/83

MANIFOLD, EXHAUST

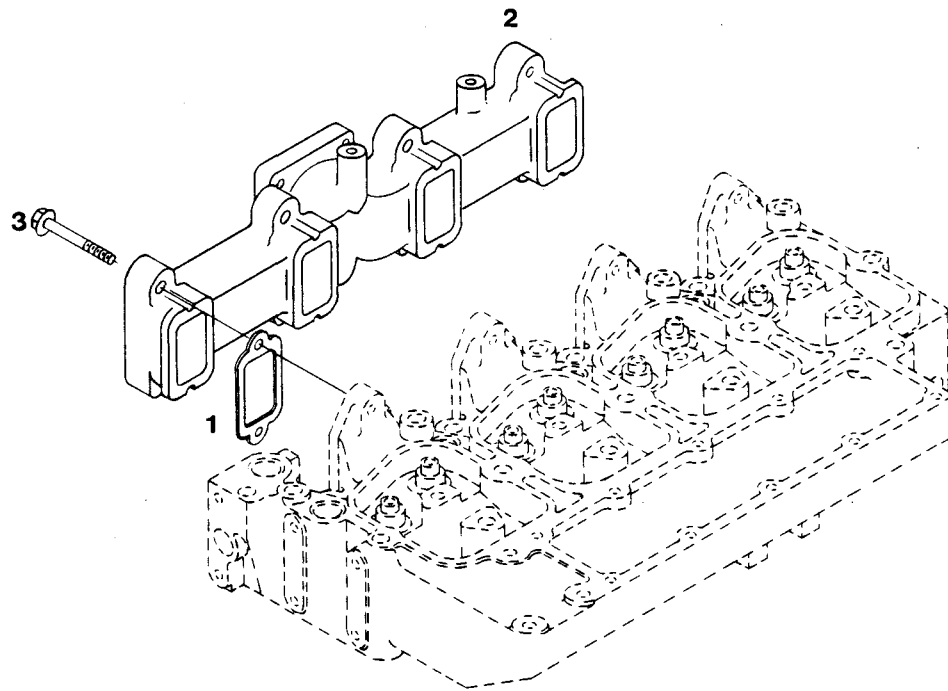
213

XM9001



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Manifold	4	3901456	10	.46 thick	
2	Manifold, Exhaust	1	3901223	10	Front up exhaust	1687
3	Screw, Hex Head Cap	8	3901448	15	M10-1.50 x 65 (flg)	638

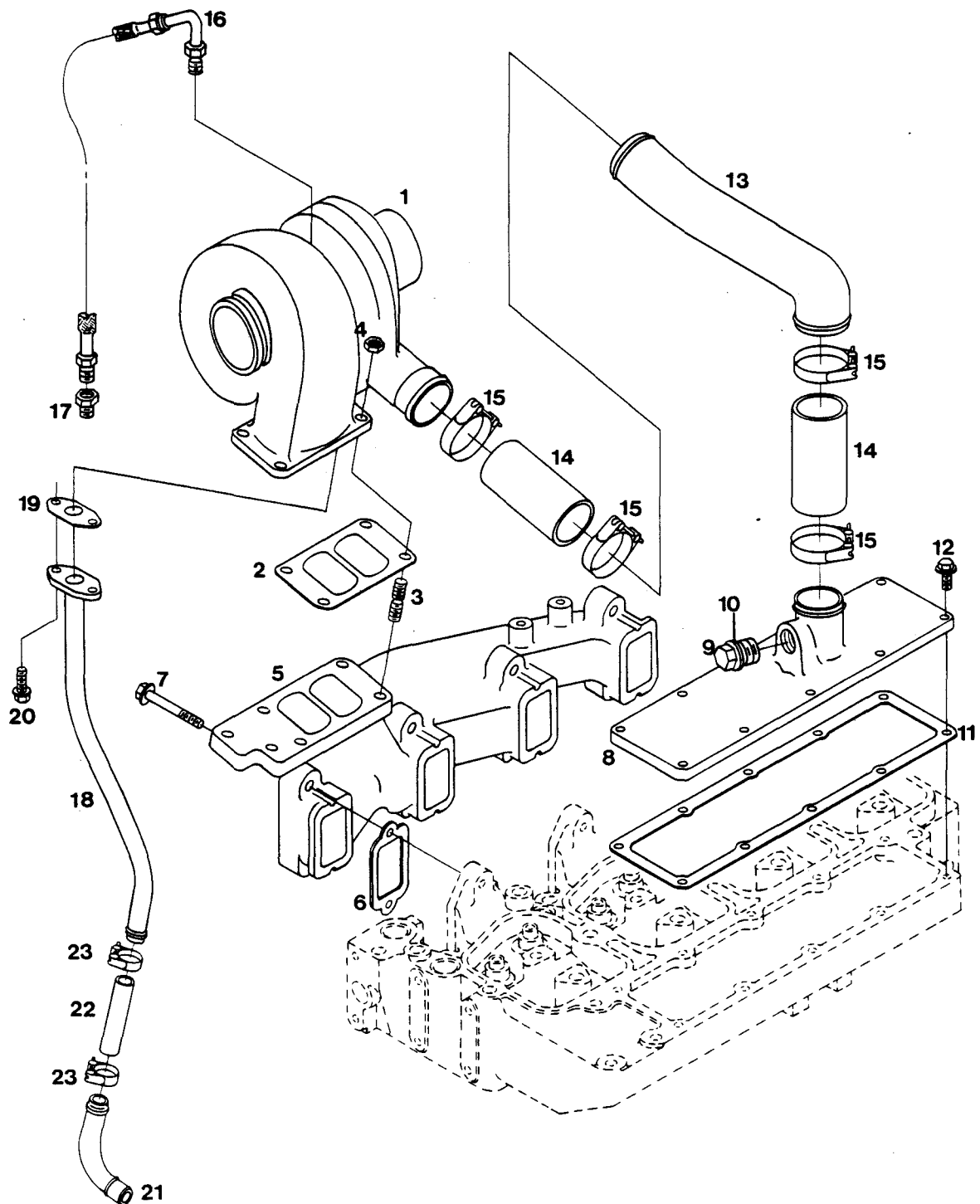
MANIFOLD, EXHAUST	213	XM9002
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ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Manifold	4	3901456	10	.46 thick	638
2	Manifold, Exhaust	1	3902274	10	Center side out	
3	Screw, Hex Head Cap	8	3901448	15	M10-1.50 x 65 (flg)	

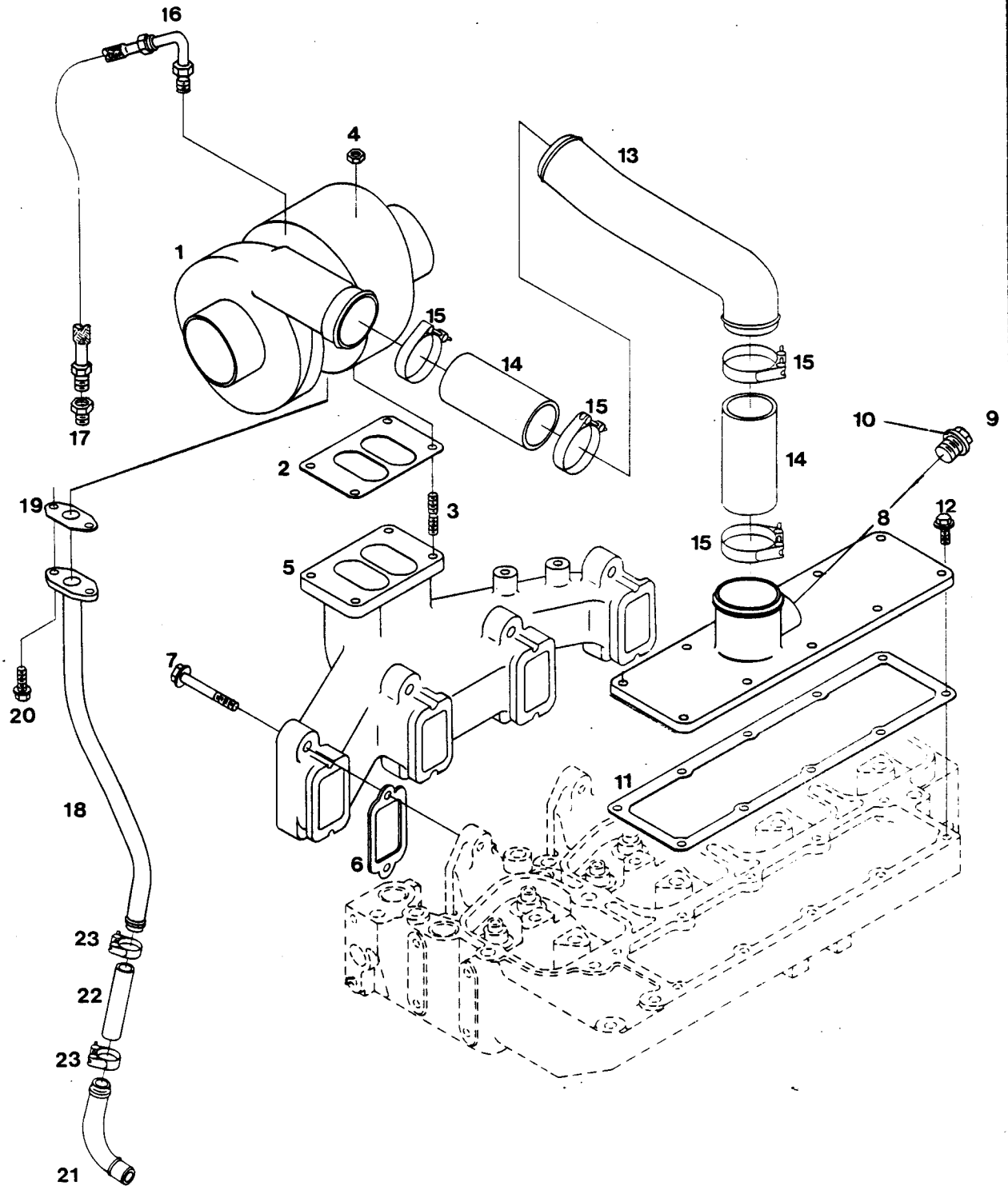
8/22/83

TURBOCHARGER	215	PP9701	
LOCATION, TURBO	214	TB9001	FRONT OUT
PLUMBING, TURBO	216	TP9701	



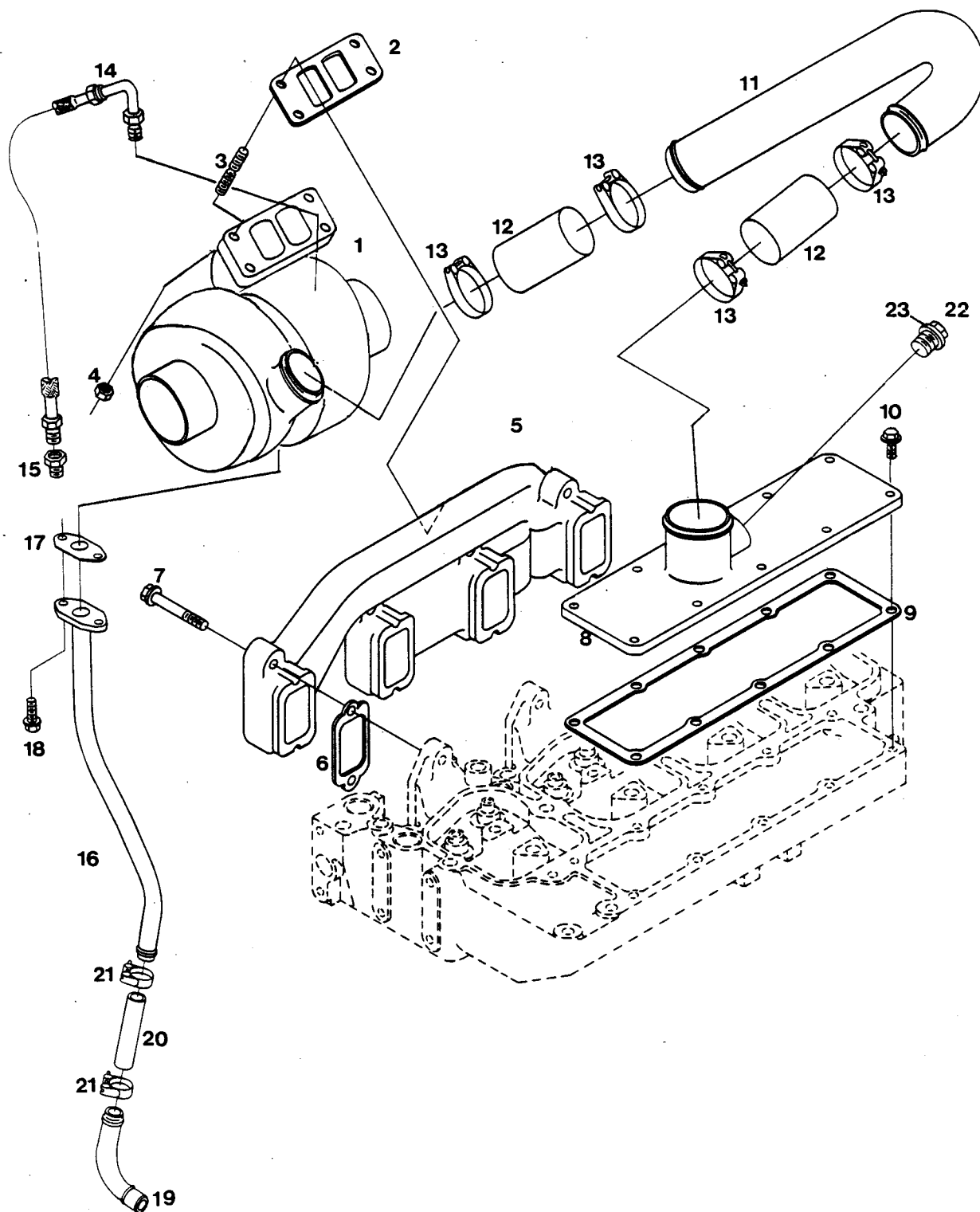
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
TURBOCHARGER PP9701						
-	Turbocharger		3903775	21-2		
1	Turbocharger	1	3903666	15		3668
2	Gasket, Turbocharger	1	3901356	10	0.50 thick	
3	Stud	4	3905417	10	M10-1.25 x M10-1.50 x 40.0 lng	
4	Nut, Regular Hex	4	3901961	15	M10-1.25 x 9.0 thick	
LOCATION, TURBO TB9001						
5	Manifold, Exhaust	1	3901919	10	Front out exhaust	
6	Gasket, Manifold	4	3901456	10		
7	Screw, Hex Head Cap	8	3901448	15	M10-1.5 x 65 (flg)	638
8	Cover, Intake Mfld.	1	3903913	10	2" O.D. Inlet-Die Cast (Note #1)	
9	Plug, Threaded	1	3904319	15	7/8"-14UNF (Note #3)	
10	Washer, Sealing	1	(Note #2)	15	Compressed Asbestos 2.0 thk	
11	Gasket, Intake Mfld.	1	3901999	10	.8 thick	2005
12	Screw, Hex Head Cap	10	3904341	15	M8-1.25 x 26 (flg)	3332
13	Crossover	1	3904342	10		
14	Hose	2	3901804	10		
15	Clamp, Hose	4	3008690	15		
PLUMBING, TURBO TP9701						
16	Hose, Turbo Oil Supply	1	3903658		15 5/8-18 thread, both ends (457)	3992
17	Connector, Female	1	S1008-1	15	1/4NPTF to 5/8-18UNF	
18	Tube, Oil Drain	1	3903740	13		
19	Gasket, Oil Drain	1	3901805	10		
20	Screw, Hex Head Cap	2	3900630	15	M8-1.25 x 20 (flg)	638
21	Tube, Turbo Oil	1	(Note #4)	10	See BP9701 (Block)	
22	Hose, Plain	1	3903745	15		
23	Clamp, Hose	2	43828-A	15		
NOTE #1: The sand cast cover part number is 3903913. #2: Supplied with plug on development parts. #3: Part number 3903746 plug, threaded is drilled and tapped with 1/8" NPTF pipe thread and is used with 3008465 plug, pipe and washer, plain 66292 (0.8 thick - tabbed on 3029715). #4: Turbo Oil Tube is structured in BP9701 (Block). It is listed here for reference only.						

TURBOCHARGER	215	PP9702	
LOCATION, TURBO	214	TB9002	REAR OUT
PLUMBING, TURBO	216	TP9702	



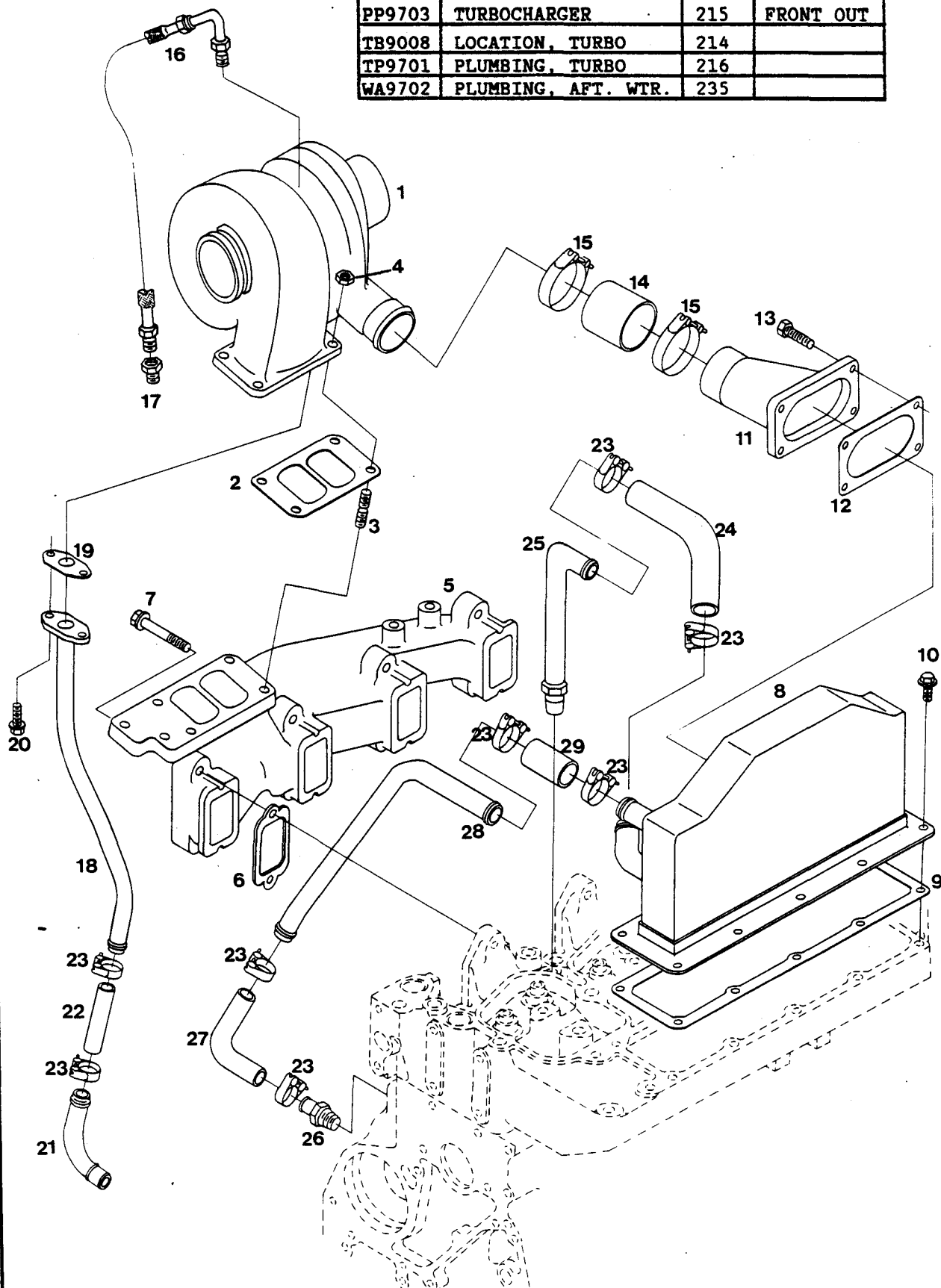
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	TURBOCHARGER PP9702					
-	Turbocharger	1	3903774	21-2		
1	Turbocharger	1	3903667	15		3668
2	Gasket, Turbocharger	1	3901356	10	0.50 thick	
3	Stud	4	3905417	10	M10-1.25 & M10-1.50 x 40.0 lng	
4	Nut, Regular Hex	4	3901961	10	M10-1.25 x 9.0 thick	
	LOCATION, TURBO TB9002					
5	Manifold, Exhaust	1	3901635	10	Rear out exhaust	
6	Gasket, Manifold	4	3901456	10		
7	Screw, Hex Head Cap	8	3901448	15	M10-1.5 x 65 (flg)	638
8	Cover, Intake Manifold	1	3903913	10	2"OD Inlet, Die Cast(Note #1)	
9	Plug, Threaded	1	3904319	15	7/8"-14UNF (Note #3)	
10	Washer, Sealing	1	(Note #2)	15	Compressed Asbestos 2.0 thick	
11	Gasket, Intake Mfld.	1	3901999	10	.8 thick	2005
12	Screw, Hex Head Cap	10	3904341	15	M8-1.25 x 26 (flg)	3332
13	Crossover	1	3904343	10		
14	Hose	2	3901804	10		
15	Clamp, Hose	4	3008690	15		
	PLUMBING, TURBO TP9702					
16	Hose, Turbo Oil Supply	1	3903931	15	5/8-18 thread, both ends (432)	3992
17	Connector, Female	1	S1008-1	15	1/4 NPTF to 5/8-18UNF	
18	Tube, Oil Drain	1	3903741	13		
19	Gasket, Oil Drain	1	3901805	10		
20	Screw, Hex Head Cap	2	3900630	15	M8-1.25 x 20 (flg)	638
21	Tube, Turbo Oil	1	(Note #4)	10	See BP9701	
22	Hose	1	3903745	15		
23	Clamp, Hose	2	43828-A	15		162627
	NOTE #1: The sand cast cover part number is 3903913. #2: Supplied with plug on development parts. #3: Part number 3903346 plug, threaded is drilled and tapped with 1/8" NPTF pipe thread and is used with 3008465 plug, pipe and washer, plain 66292 (0.8 thick - tapped on 3029715). #4: Turbo Oil Tube (3903744) is structured in BP9701 and is listed here for reference only.					

TURBOCHARGER	215	PP97??	
LOCATION, TURBO	214	TB9007	REAR OUT-LOW MOUNT
PLUMBING, TURBO	216	TP97??	



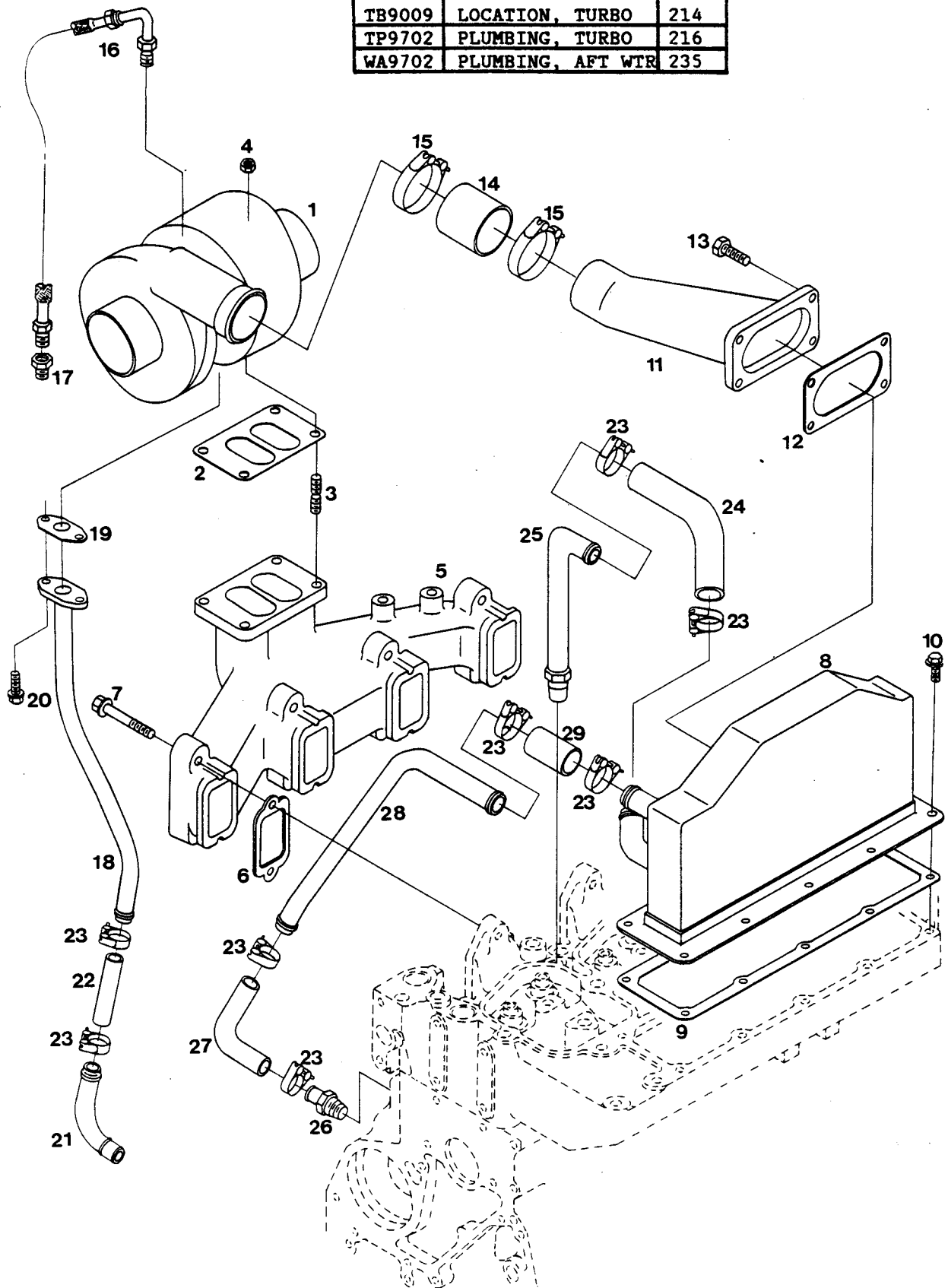
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	TURBOCHARGER PP97??					
-	Turbocharger	1	390????	21-2		
1	Turbocharger	1	3903667	15		
2	Gasket, Turbocharger	1	3901356	10	0.50 Thick	
3	Stud	4	3905417	15	M10-1.25 & M10-1.50 x 40 long	
4	Nut	4	3901961	15	M10-1.25 x 9.0 thick	
	LOCATION, TURBO TB9007					
5	Manifold, Exhaust	1	390????	10	Rear out - low mount	
6	Gasket, Manifold	4	3901456	15		
7	Screw, Hex Head Cap	8	3901448	15	M10-1.65 (flanged)	638
8	Cover, Intake Mfld.	1	390????	10	2" O.D. inlet	
9	Gasket, Intake Cover	1	3901999	10	.8 thick	2005
10	Screw, Hex Head Cap	10	3904341	15	M8-1.25 x 26 (flanged)	3332
11	Crossover	1	390????	10		
12	Hose	2	3901804	10		
13	Clamp, Hose	4	3008690	15		
22	Plug, Threaded	1	3904319	15	7/8"-14UNF (Note #1)	
23	Washer, Sealing		SEE NOTE #1		Compressed asbestos 2.0 thick	
	PLUMBING, TURBO TP					
14	Hose, Turbo Oil Supply	1	3903658	15	5/8-18 thread, both ends	3992
15	Connector, Female	1	S1008-1	15	1/4 NPTF to 5/8-18UNF	
16	Tube, Oil Drain	1	3903740	13		
17	Gasket, Oil Drain Tube	1	3901805	10		
18	Screw, Hex Head Cap	2	3900630	15	M8-1.25 x 20 (flanged)	638
19	Tube, Turbo Oil	1	Note # 2	15	Structured in BP9701	
20	Hose	1	3903745	10		
21	Clamp, Hose	2	43828-A	15		
	NOTE #1: Supplied with plug.					
	#2: P/N 3903744 is structured in option BP9701. It is listed here for reference only.					

PP9703	TURBOCHARGER	215	FRONT OUT
TB9008	LOCATION, TURBO	214	
TP9701	PLUMBING, TURBO	216	
WA9702	PLUMBING, AFT. WTR.	235	



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	TURBOCHARGER PP9703					
-	Turbocharger	1	3904329	21-2		
1	Turbocharger	1	3904414	15		
2	Gasket, Turbocharger	1	3901356	10	0.50 thick	
3	Stud	4	3905417	15	M10-1.25 & M10-1.50 x 40.0 long	
4	Nut, Regular Hex	4	3901961	15	M10-1.25 x 9.0 thick	
	LOCATION, TURBO TB9008					
5	Manifold, Exhaust	1	3901919	10	Front out exhaust	
6	Gasket, Manifold	4	3901456	15		
7	Screw, Hex Head Cap	8	3901448	15	M10-1.50 x 65 (flanged)	638
8	Aftercooler	1	3903387	10		
9	Gasket, Intake Mfld	1	3901999	15	.8 thick	2005
10	Screw, Hex Head Cap	10	3900629	15	M8-1.25 x 16 (flanged)	638
11	Crossover	1	3903259	10		
12	Gasket, Crossover	1	3906210	10		
13	Screw, Hex Head Cap	4	3900629	15	M8-1.25 x 16 (flanged)	638
14	Hose, Plain	1	3903970	15		
15	Clamp, Hose	2	3008690	15		
	PLUMBING, TURBO TP9701					
16	Hose, Turbo Oil Supply	1	3903658	15	5/8-18 Thread - Both Ends	3992
17	Connector, Female	1	S1008-1	15	1/4 NPTF to 5/8-18 UNF	
18	Tube, Turbo Oil Drain	1	3903740	13		
19	Gasket, Oil Drain	1	3901805	10		
20	Screw, Hex Head Cap	2	3900630	15	M8-1.25 x 20 (flanged)	638
21	Tube, Turbo Oil	1	Note #1	10	See BP9701	
22	Hose	1	3903745	10		
23	Clamp, Hose	2	43828-A	15		162627
	PLUMBING, AFT WTR WA9702					
24	Hose, Elbow	1	3903234	15		
25	Tube, Aftercooler	1	3903389	13		
26	Coupling, Plain Hose	1	3903777	13		
27	Hose, Molded	1	3903391	15		
28	Tube, Aftercooler	1	3903388	10		
29	Hose, Plain	1	106334	15		138377
23	Clamp, Hose	6	43828-A	15		162627
NOTE #1: P/N 3903744 is structured in option BP9701. It is listed here for reference only.						

PP9704	TURBOCHARGER	215	REAR OUT
TB9009	LOCATION, TURBO	214	
TP9702	PLUMBING, TURBO	216	
WA9702	PLUMBING, AFT WTR	235	

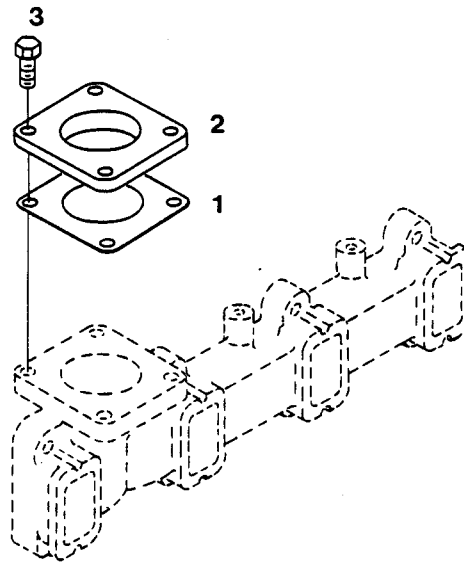


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	TURBOCHARGER. PP9704					
	Turbocharger	1	3904330	21-2		
1	Turbocharger	1	3904415	15		3668
2	Gasket, Turbocharger	1	3901356	10	.50 thick	
3	Stud	4	3905417	15	M10-1.25 x M10-1.50 x 40 long	
4	Nut, Regular Hex	4	3901961	15	M10-1.25 x 9.0 thick	
	LOCATION, TURBO TB9009					
5	Manifold, Exhaust	1	3901635	10	Rear out exhaust	
6	Gasket, Manifold	4	3901456	10		
7	Screw, Hex Head Cap	8	3901448	15	M10-1.5 x 65 (flanged)	638
8	Aftercooler	1	3903387	15		
9	Gasket, Intake Mfld	1	3901999	10	.8 thick	2005
10	Screw, Hex Head Cap	10	3900629	15	M8-1.25 x 16 (flanged)	638
11	Conn. Air Crossover	1	3903260	10		
12	Gasket, Connection	1	3906210	10		
13	Screw, Hex Head Cap	4	3900629	15	M8-1.25 x 16 (flanged)	638
14	Hose, Plain	1	3901804	10		
15	Clamp, Hose	2	3008690	15		
	PLUMBING, TURBO TP9702					
16	Hose, Flex	1	3903931	15	5/8-17 thread - both ends	3992
17	Connector, Female	1	S1008-1	15	1/4 NPTF to 5/8-18UNF	
18	Turb, Turbo Oil Drain	1	3903741	13		
19	Gasket, Oil Drain	1	3901805	10		
20	Screw, Hex Head Cap	2	3900630	15	M8-1.25 x 20 (flanged)	638
21	Tube, Turbo Oil	1	Note #1	10	See BP9701	
22	Hose	1	3903745	10		
23	Clamp, Hose	2	43828-A	15		162627
	PLUMBING, AFT WTR WA9702					
24	Hose, Elbow	1	3903234	15		
25	Tube, Aftercooler	1	3903389	13		
26	Coupling, Plain Hose	1	3903777	13		
27	Hose, Molded	1	3903391	15		
28	Hose	1	106334	15		
23	Clamp, Hose	6	43828-A	15		
	NOTE #1: P/N 3903744 is structured in BP9701 (block) and is listed here for reference only.					

CONNECTION, EXHAUST

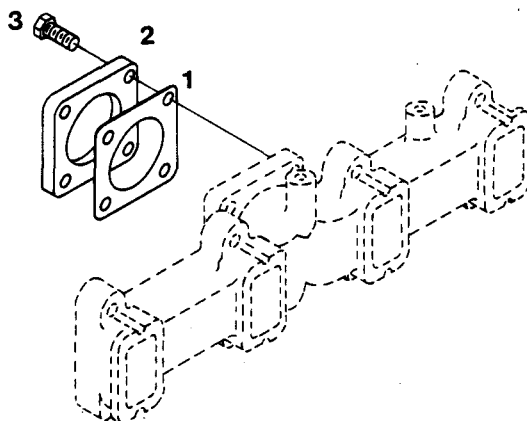
316

XS9001



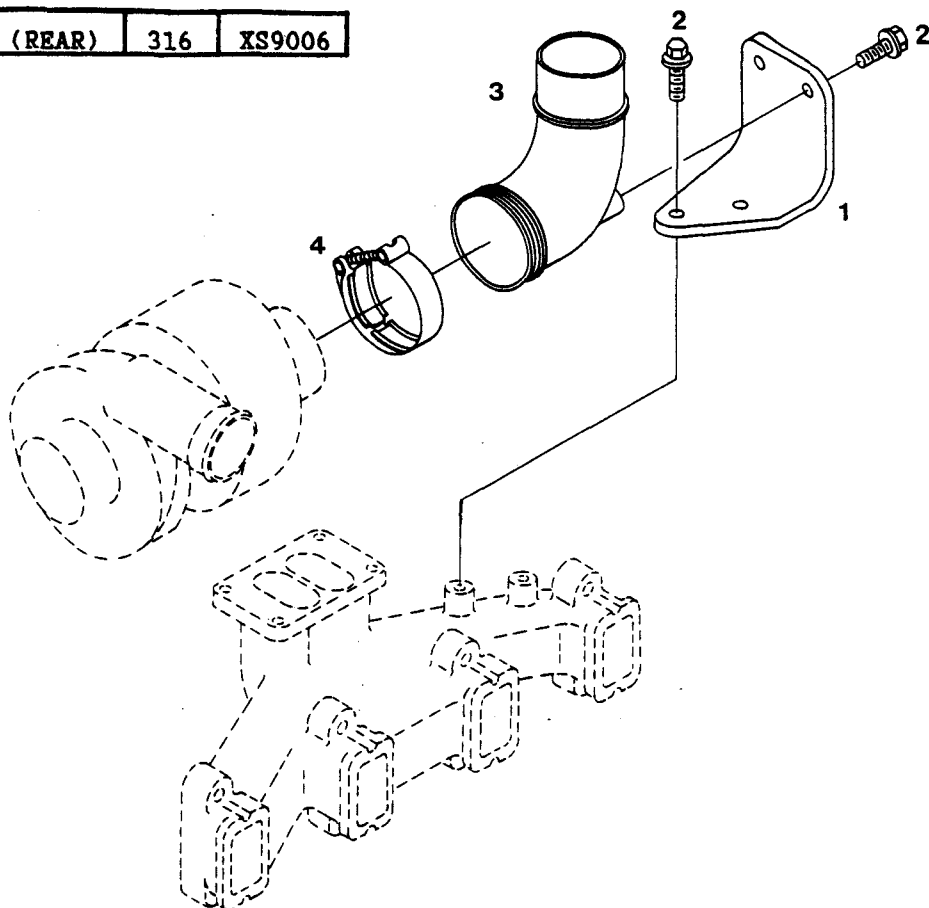
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Exh. Out Conn.	1	3903251	15	.40 thick	3250
2	Flange, Weld	1	3904054	15	For Adapting Exh. to 3" Pipe	272
3	Screw, Hex Head Cap	4	3900623	15	M10-1.50 x 25	

CONNECTION, EXHAUST	316	XS9002
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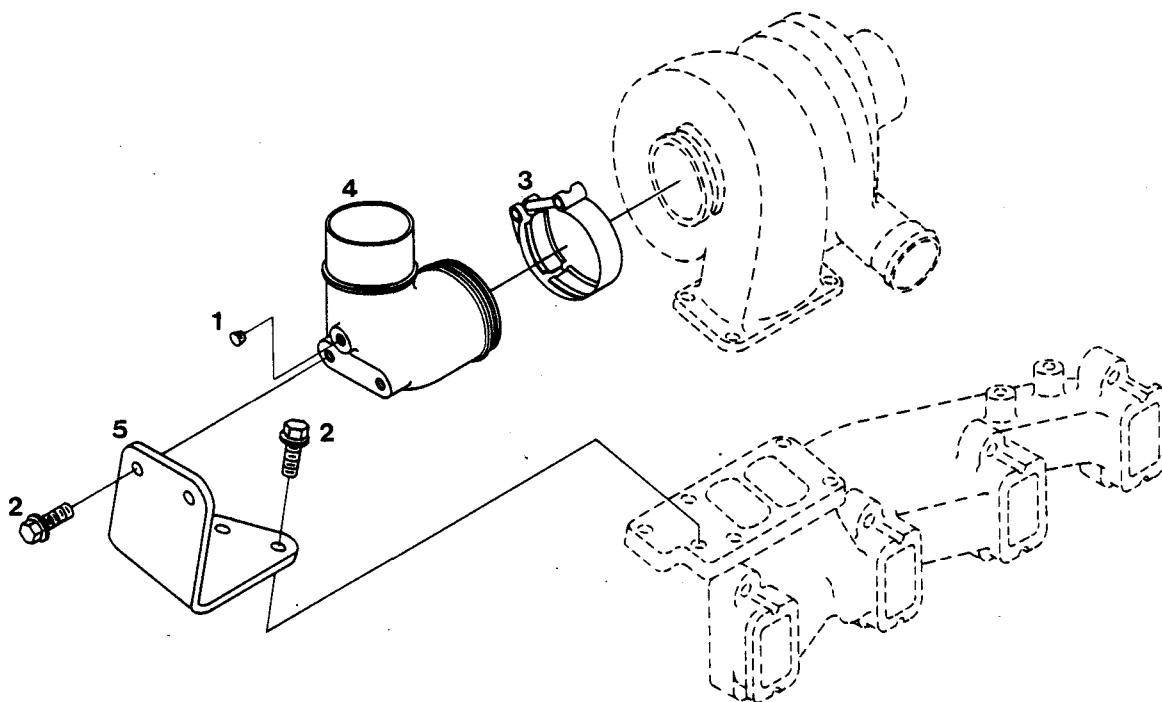
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Gasket, Exh. Out Conn.	1	3903252	15	.40 thick	3250
2	Flange, Weld	1	3904836	15	For Side Exh. to 2 1/2" Pipe	
3	Screw, Hex Head Cap	4	3900623	15	M10-1.50 x 25	272

PIPE, EXHAUST OUT (REAR)	316	XS9006
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ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Bracket, Exh. Outlet	1	3903760	13	M10-1.50 x 22 (flanged) To Adapt to Rear & Up Exh. XS9009	638
2	Screw, Hex Head Cap	4	3902460	15		
3	Conn. Exhaust Outlet	1	3903758	10		
4	Clamp, V Band	1	3903652	15		

CONNECTION, EXHAUST	316	XS9016
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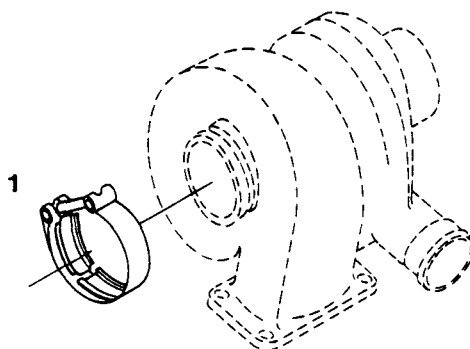


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Plug, Pipe	1	S-910-B	15	.25"NPTF.	638
2	Screw, Hex Head Cap	4	3902460	15	M10-1.50 x 22 (flanged)	
3	Clamp, V-Band		3903652	15		
4	Conn. Exhaust Outlet	1	3904860	10		
5	Brace, Ex. Out. Conn.	1	3904986	10		
NOTE: 90° turbo exhaust elbow for adapting to front and up exhaust.						

CONNECTION, EXHAUST

316

XS9009

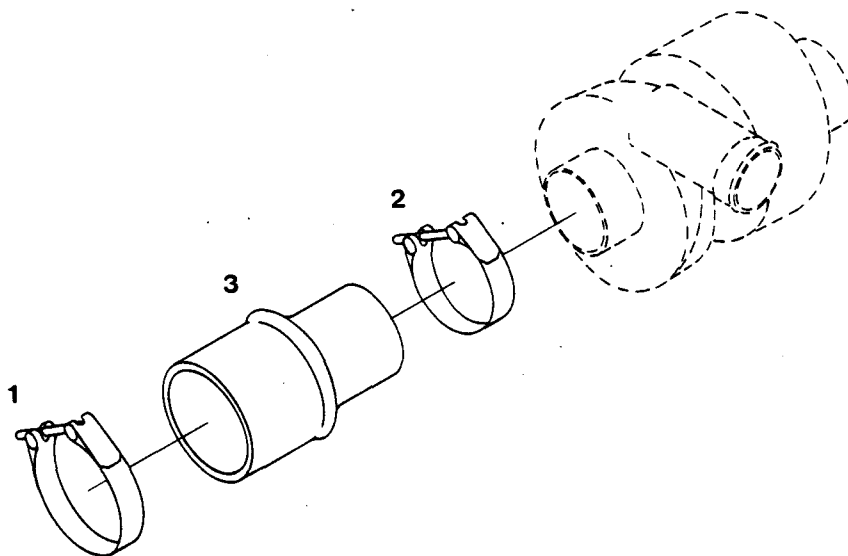


I T E M	PART NAME	Q T Y	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, V-Band	1	3903652	15	For adapting Exh. outlet conn to turbine outlet	

PLUMBING, AIR CLEANER

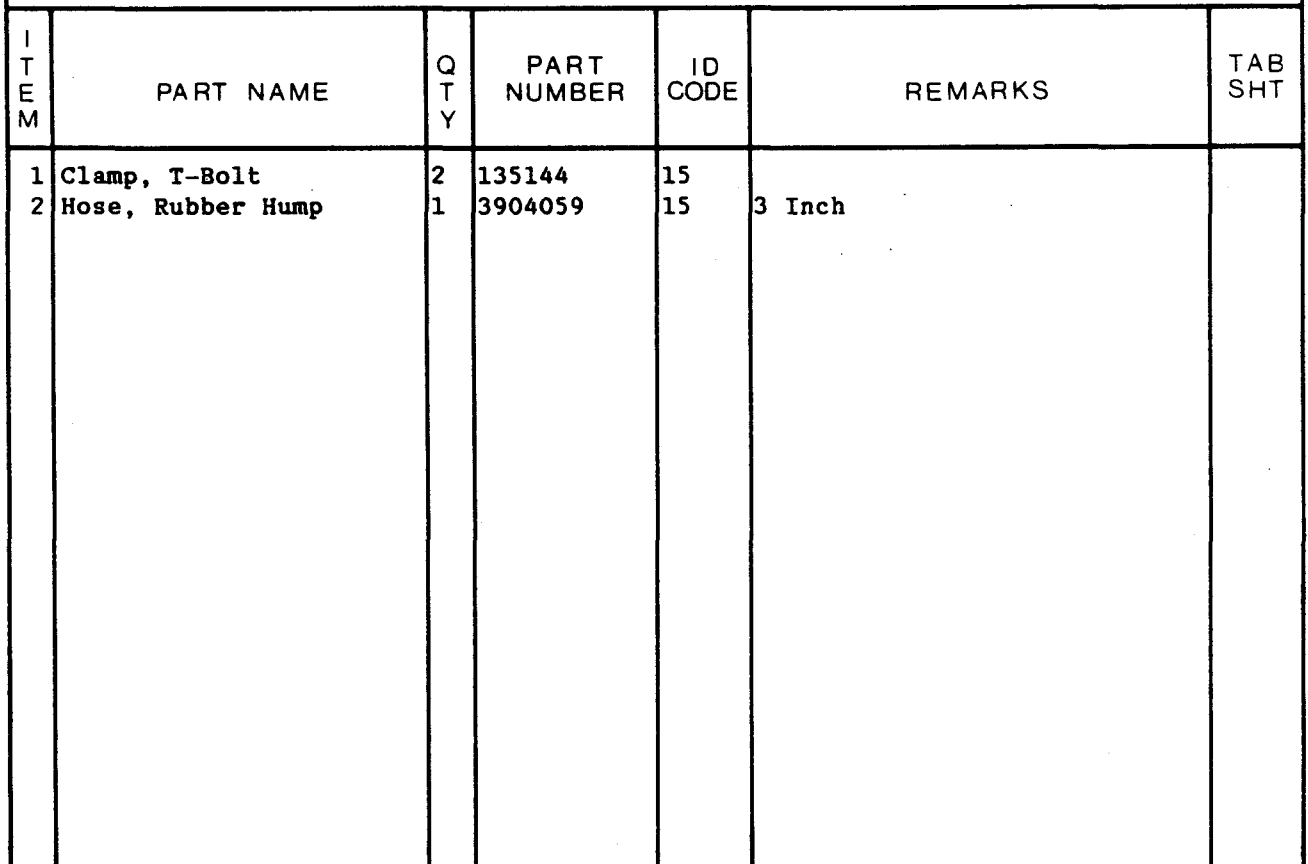
311

CA9002



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, T-Bolt	1	125740	15	4" to 3" Reducer	3948
2	Clamp, T-Bolt	1	135144	15		
3	Hose, Rubber Hump	1	39040-60	15		

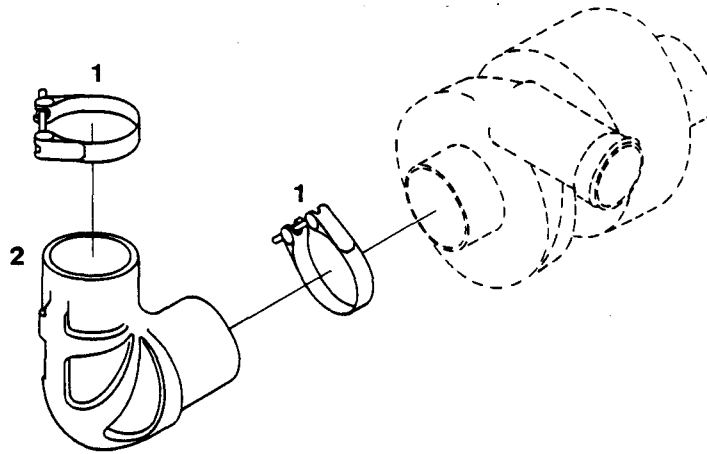
CA9010



PLUMBING, AIR CLEANER

311

CA9003

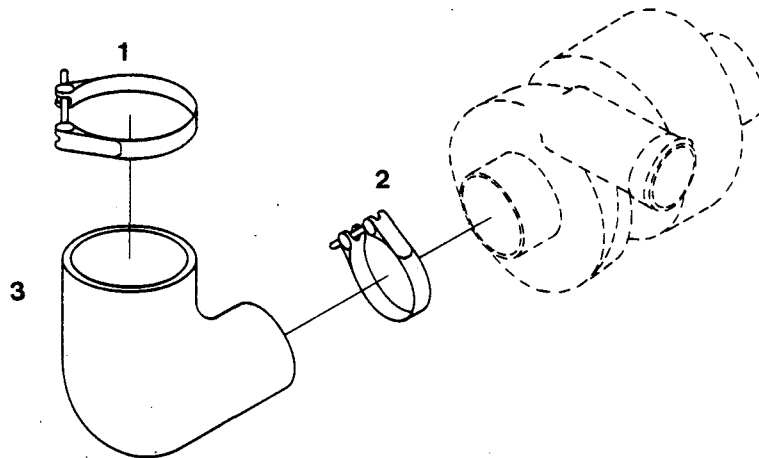


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, T-Bolt	2	135144	15	90 degree elbow, 3 Inch	3989
2	Elbow, 90° Rubber	1	3904062	15		

PLUMBING, AIR CLEANER

311

CA9004

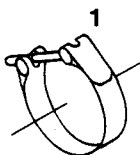


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, T-Bolt	1	125740	15	4 Inch	4103
2	Clamp, T-Bolt	1	135144	15	3 Inch	
3	Elbow, 90° Rubber	1	3904064	15	Reducer, 4" to 3"	

PLUMBING, AIR CLEANER

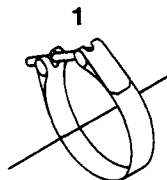
311

CA9008



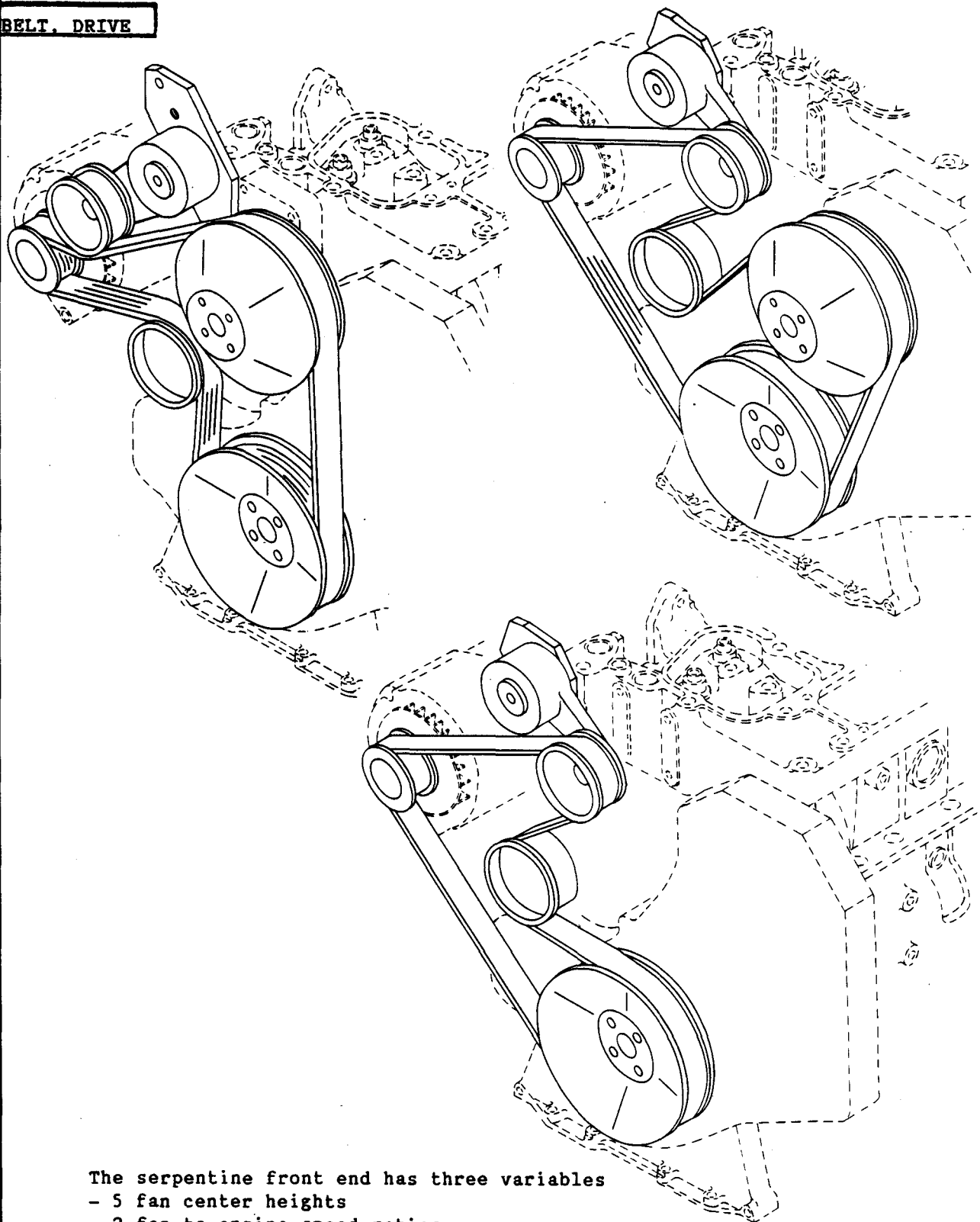
I T E M	PART NAME	Q T Y	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, T-Bolt	1	135144	15	For 3 Inch Intake Connection	

PLUMBING, AIR CLEANER	311	CA9009
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I T E M	PART NAME	Q T Y	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Clamp, T-Bolt	1	125740	15	For 4 Inch Intake Connection	

BELT DRIVE



The serpentine front end has three variables

- 5 fan center heights
- 2 fan to engine speed ratios
- 3 alternator & pulley arrangements

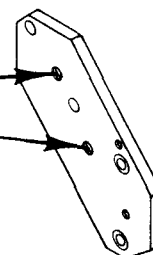
DRIVE, FAN

FAN CENTER LINE	FAN RATIO	ALT. TYPE	FAN OPTION REF.	BELT TENS. BRACKET	TENSIONER MOUNTING LOCATION	V-RIBBED BELT PT. NO.	BELT LENGTH	ALT. LOCATION OPTION REF.
202.0	1.1	10/15SI	FA9001	3904569	High	3903113	1625.6	EH9701
202.0	1.1	20/27SI	FA9001	3904569	Low	3903113	1625.6	EH9701
CRK	--	10/15SI	FA9000	3904569	High	3904031	1320.8	EH9700
CRK	--	20/27SI	FA9000	3904569	Low	3904031	1320.8	EH9700
296.0	1.1	10/15SI	FA9002	3904548	Low	3903091	1422.4	EH9702
296.0	1.35	10/15SI	FA9012	3904549	Low	3903090	1397.0	EH9705
296.0	1.1	20/27SI	FA9002	3904552	Low	3903093	1473.2	EH9710
295.0	1.35	20/27SI	FA9012	3904553	Low	3902230	1443.0	EH9714
345.0	1.1	10/15SI	FA9003	3904550	Low	3903097	1498.6	EH9703
345.0	1.35	10/15SI	FA9013	3904551	Low	3903092	1460.5	EH9707
345.0	1.1	20/27SI	FA9003	3904554	Low	3903098	1536.7	EH9711
345.0	1.35	20/27SI	FA9013	3904555	Low	3902715	1519.0	EH9715
393.0	1.1	10/15SI	FA9004	3904548	High	3903099	1574.8	EH9704
393.0	1.35	10/15SI	FA9014	3904549	High	3903098	1536.7	EH9708
393.0	1.1	20/27SI	FA9004	3904552	High	3903100	1612.9	EH9712
393.0	1.35	20/27SI	FA9014	3904553	High	3902309	1582.0	EH9716
444.0	1.1	10/15SI	FA9005	3904550	High	3903114	1663.7	EH9706
444.0	1.35	10/15SI	FA9015	3904551	High	3903113	1625.6	EH9709
444.0	1.1	20/27SI	FA9005	3904554	High	3903115	1701.8	EH9713
444.0	1.35	20/27SI	FA9015	3904555	High	3903114	1663.7	EH9717

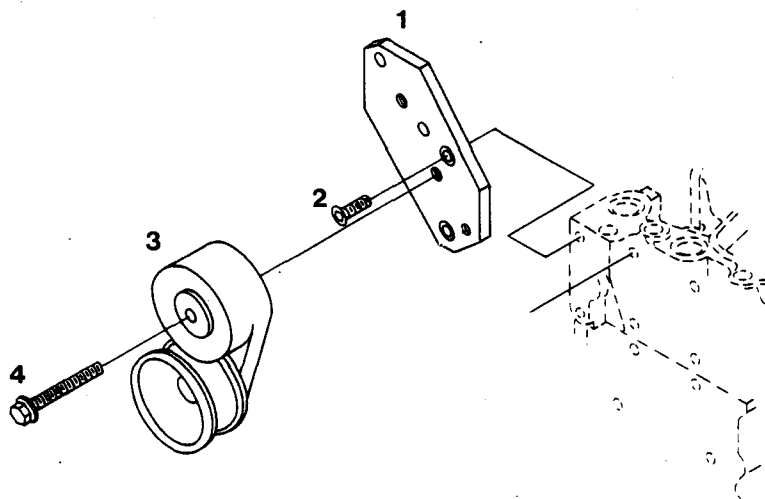
NOTE #1. Each Belt Tensioner Bracket has provisions
for two tensioner locations

HIGH

LOW

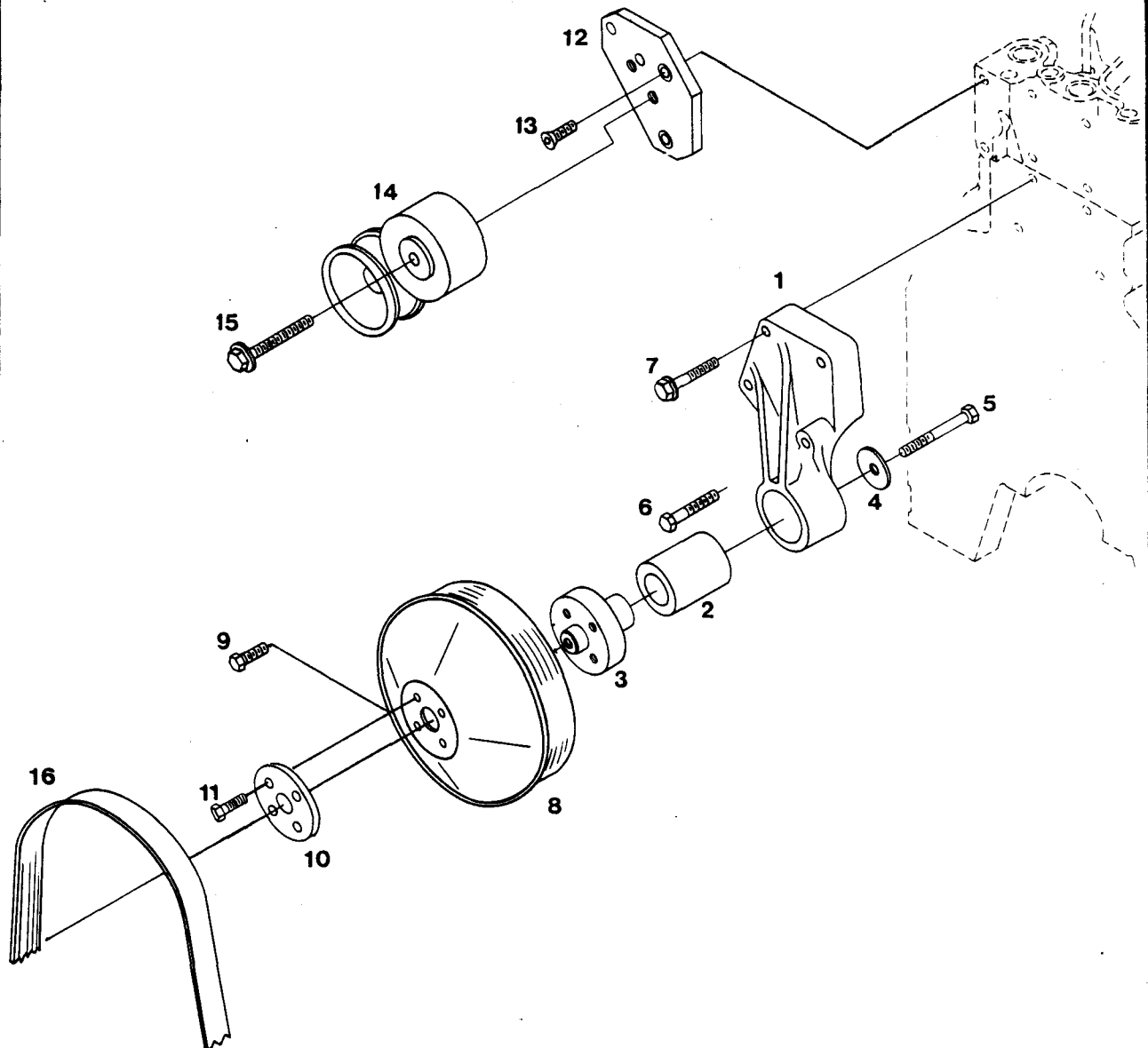


DRIVE, FAN	328	FA9000
BELT TENSIONER		EH9700
FOR ALL ALTERNATORS		



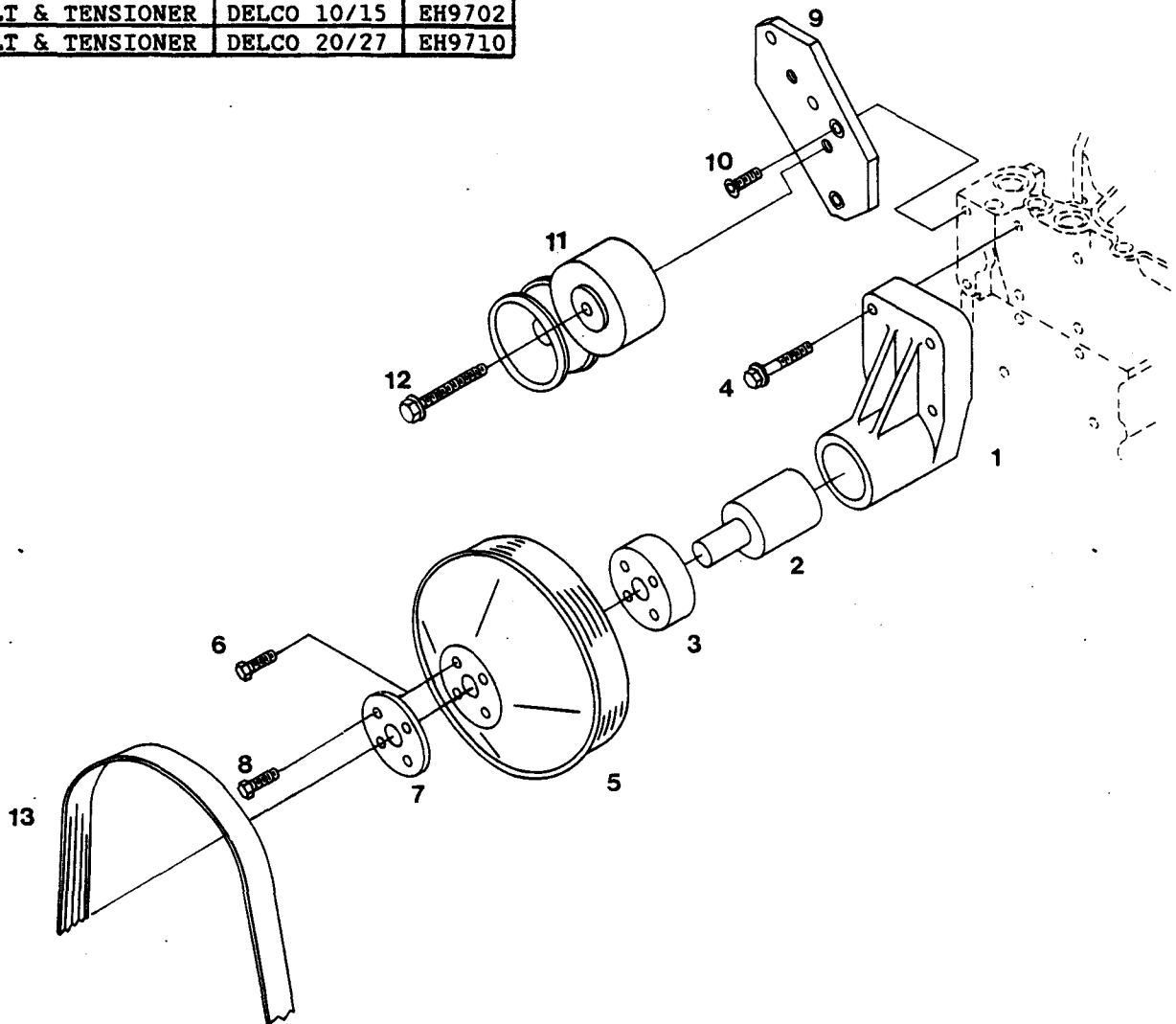
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9000					
-	No Fan Bracket or Fan Pulley					
	EH9700 DELCO 10/15 & 20/27	27	SI (SEE NOTE 1)			
1	Bracket, Belt Tens	1	3904569	10		
2	Screw, Flat Head Soc.	2	3903095	15	M8-1.25 x 25	
3	Tensioner, Belt	1	3904370	15	(automatic)	
4	Screw, Hex Head Cap	1	3905426	15	M10-1.50 x 61.86 (flg.)	
5	Belt, "V" Ribbed	1	3904031	15	8 Groove, K, 1320.8 long	676
	NOTE #1: Mountings for the 10/15 - 20/27 alternator mountings are identical except the tensioner mount location is high for the 10/15 and low for the 20/27.					

DRIVE. FAN	328	FA9001
203MM (8IN. CENTER)	1.1:1	
BELT TENSIONER	EH9701	
DELCO	10/15 & 20/27 SI	



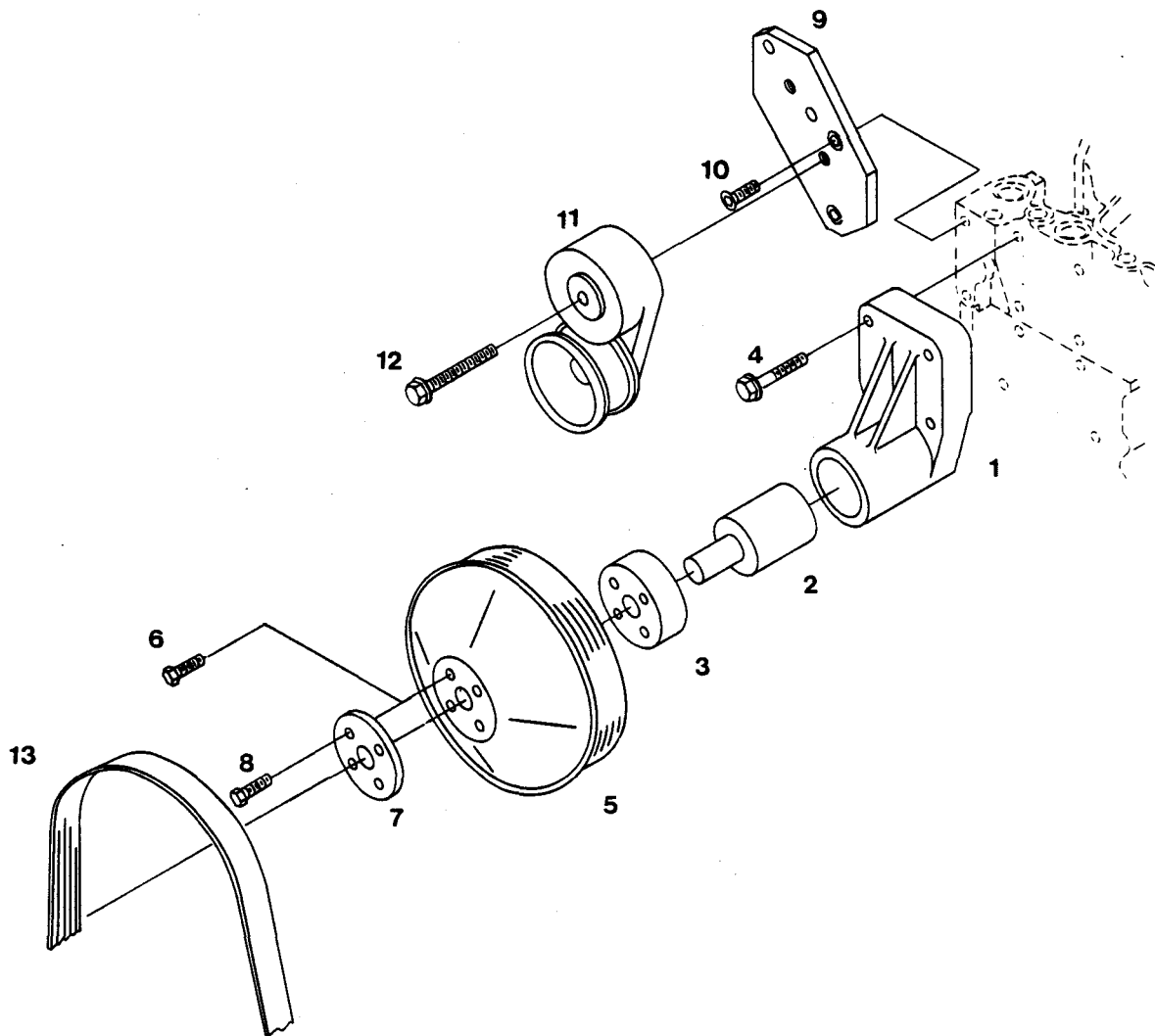
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9001					
1	Bracket, Fan	1	3904583	16	(202) 8" center	1889
1	Bracket, Fan	1	3904582	10	Mounts to block	
2	Bearing, Roller		3904581	15	65 O.D., 35 I.D. x 35	4976
					(See Note #4)	
3	Hub, Fan	1	3904580	10	25.4 pilot	
4	Washer, Plain	1	3903849	10	13 I.D., 42 O.D. x 8 thick	
5	Screw, Hex Head Cap	1	3903946	10	M12-1.75 x 70	272
6	Screw, Hex Head Cap	1	3901221	15	M8-1.25 x 75	272
7	Screw, Hex Head Cap	3	3900678	15	M8-1.25 x 40 (flg)	637
8	Pulley, Fan	1	3902710	10	158.0 dia., 8 groove	
9	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	FA9701					
10	Plate, Clamping	1	3904690	10	(See Note 1)	
11	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
9	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	EH9701 10/15, 20/27 SI (See Note 3)					
12	Bracket, Belt Tens.	1	3903569	10		
13	Screw, Flat Head Soc	2	3903095	15	M8-1.25 x 25	
14	Tensioner, Belt	1	3904370	15	(automatic)	
15	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg)	
16	Belt, "V" Ribbed	1	3903113	15	8 Groove, K, 1625.6 long	676
NOTE: #1:FA9701 will be used whenever <u>NO</u> SP option is specified. #2:FA9702 will be used whenever <u>ANY</u> SP option is specified. #3:Mountings for the 10/15 - 20/27 alternator mountings are identical except the tensioner mount location is high for the 10/15 and low for the 20/27. #4:3904975 bearing is an allowable substitution for 3904581 in this assembly.						

DRIVE, FAN	328	FA9002
296.0MM (11.65 IN. CENTER) 1.1:1		
BELT & TENSIONER	DELCO 10/15	EH9702
BELT & TENSIONER	DELCO 20/27	EH9710



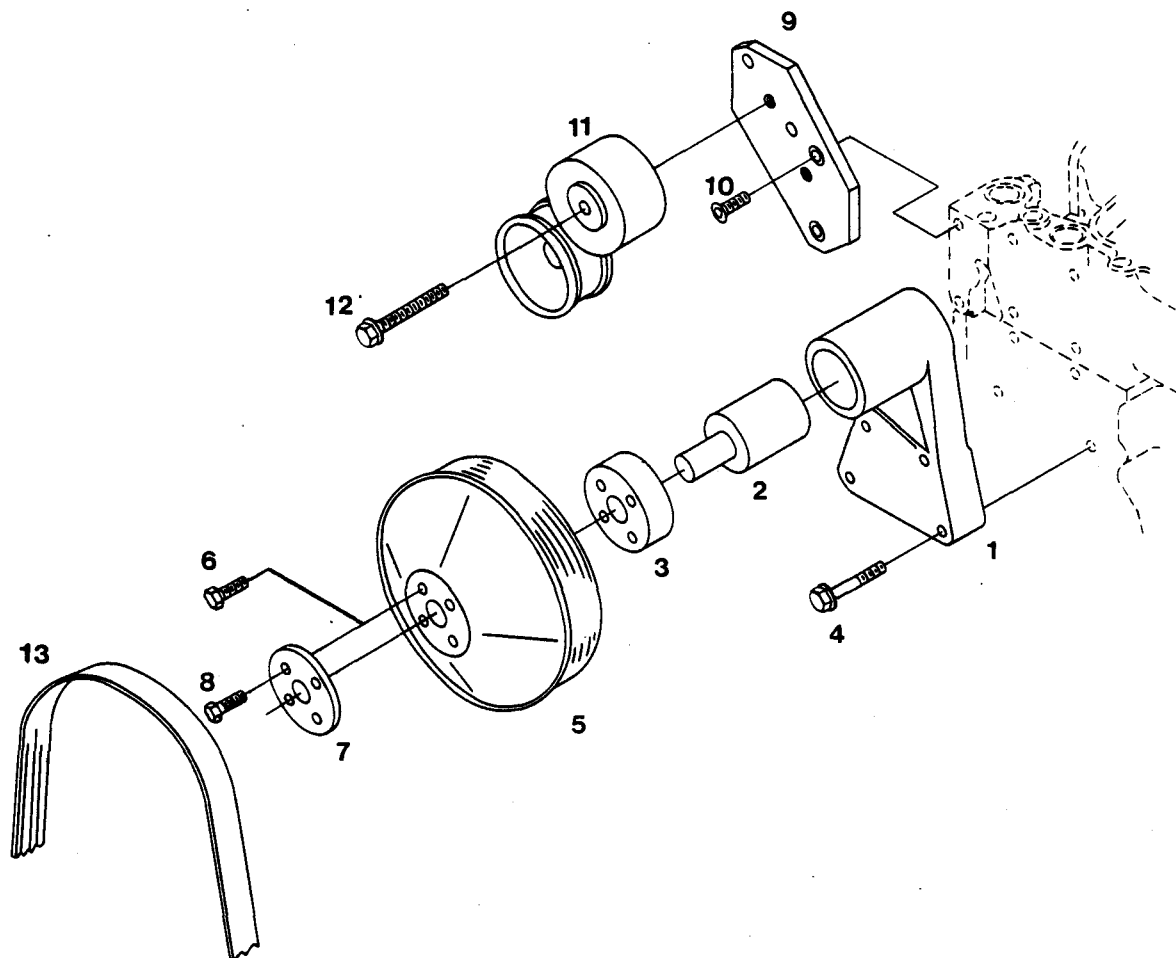
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9002					
	Bracket, Fan	1	3902351	16	(296.0) 11.65" center	1889
1	Bracket, Fan	1	3902348	10	Mounts to head	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902710	10	158 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	FA9701					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	EH9702 DELCO 10/15					
9	Bracket, Belt Tens.	1	3904548	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg.)	
13	Belt, "V" Ribbed	1	3903091	15	8 Groove, K, 1422.4 long	676
	EH9710 DELCO 20/27 SAME AS EH9702 EXCEPT:					
13	Belt, "V" Ribbed	1	3903093	15	8 Groove, K, 1473.2 long	676
9	Bracket, Belt Tens.	1	3904552	10		
NOTE #1: FA9701 will be used whenever <u>No</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE, FAN	328	FA9012
296.0MM (11.65 IN. CENTER) 1.25:1		
BELT & TENSIONER	DELCO 10/15	EH9705
BELT & TENSIONER	DELCO 20/27	EH9714



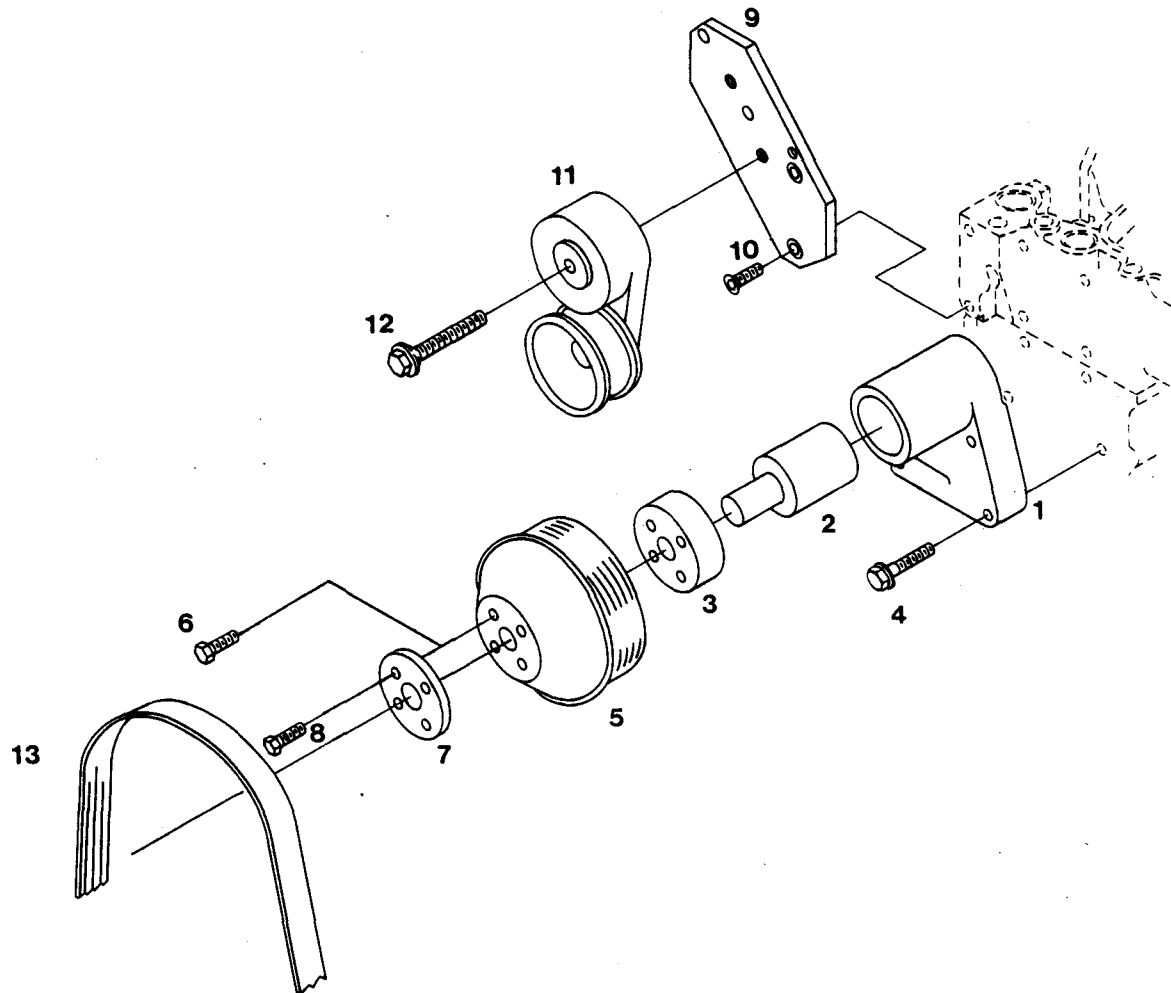
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	<u>FA9012</u>					
	Bracket, Fan	1	3902351	16	(296.0) 11.65" center	1889
1	Bracket, Fan	1	3902348	10	Mounts to head	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	25.0 thick	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg.)	638
5	Pulley, Fan	1	3902709	10	129 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	<u>FA9701</u>					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	<u>FA9702</u>					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	<u>EH9705 DELCO 10/15</u>					
9	Bracket, Belt Tens.	1	3904549	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.50 x 61.86 (flg)	
13	Belt, "V" Ribbed	1	3903090	15	8 Groove, K. 1397.0 long	676
	<u>EH9714 DELCO 20/27 SAME AS EH9705 EXCEPT:</u>					
13	Belt, "V" Ribbed	1	3902230	15	8 Groove, K, 1443.0 long	676
9	Bracket, Belt Tensioner	1	3904553	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP options is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE FAN	328	FA9003
345MM (23.58 IN. CENTER) 1.1:1		
BELT & TENSIONER	DELCO 10/15	EH9703
BELT & TENSIONER	DELCO 20/27	EH9711



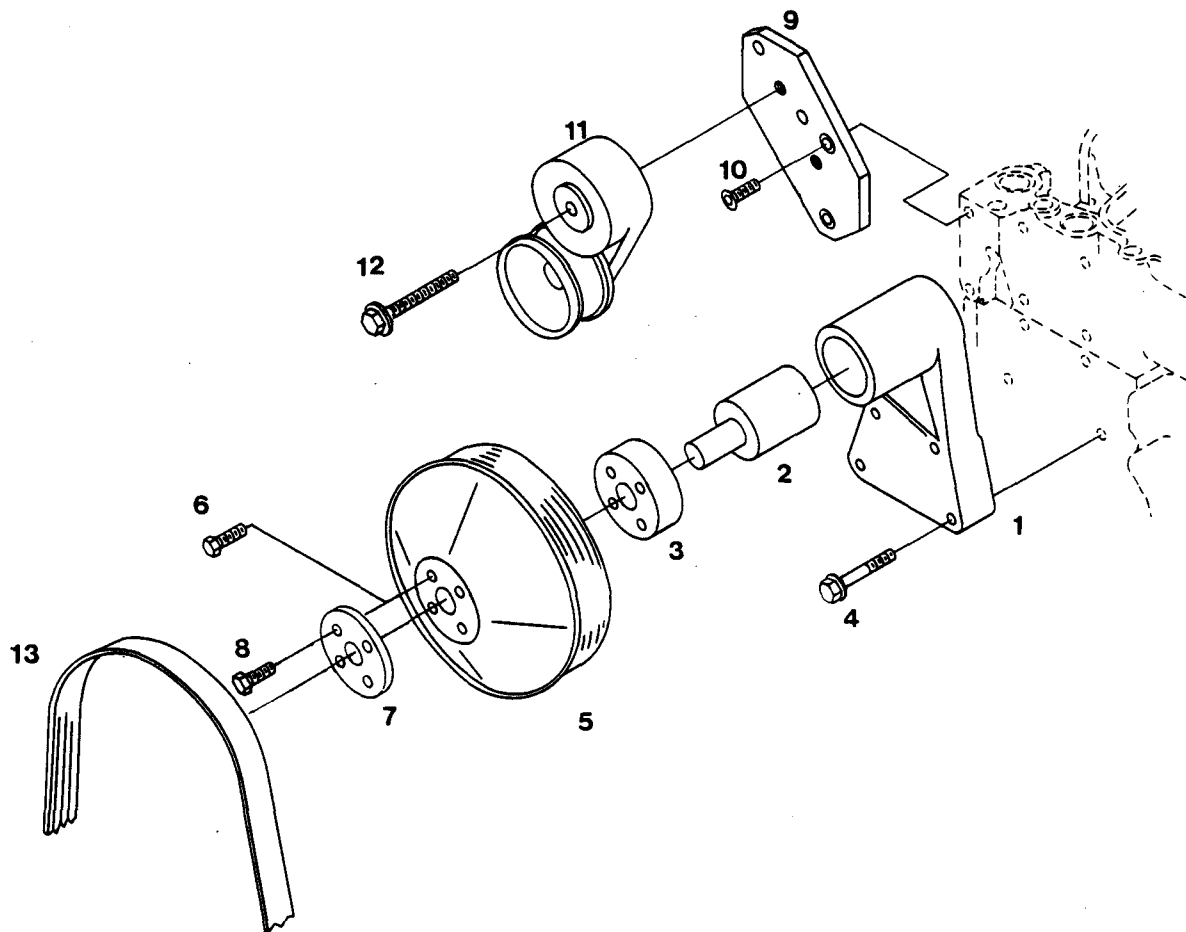
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9003					
-	Bracket, Fan	1	3902353	16	(345) 13.58" center	1889
1	Bracket, Fan	1	3902349	10	Mounts to block	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0) thick	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902710	10	158.0 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M801.25 x 20	272
	FA9701					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	EH9703 DELCO 10/15					
9	Bracket, Belt Tens.	1	3904550	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.50 x 61.86 (flg)	
13	Belt, "V" Ribbed	1	3903097	15	8 Groove, K, 1498.6 long	676
	EH9711 DELCO 20/27 SAME AS EH9703 EXCEPT:					
13	Belt, "V" Ribbed	1	3903098	15	8 Groove, K, 1536.7 long	676
9	Bracket, Belt Tensioner	1	3904554	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP options are specified. #2: FA9702 will be used whenever <u>ANY</u> SP options is specified.						

DRIVE. FAN	328	FA9013
345MM (13.58 IN. CENTER)		1.35:1
BELT & TENSIONER	DELCO 10/15	EH9707
BELT & TENSIONER	DELCO 20/27	EH9715



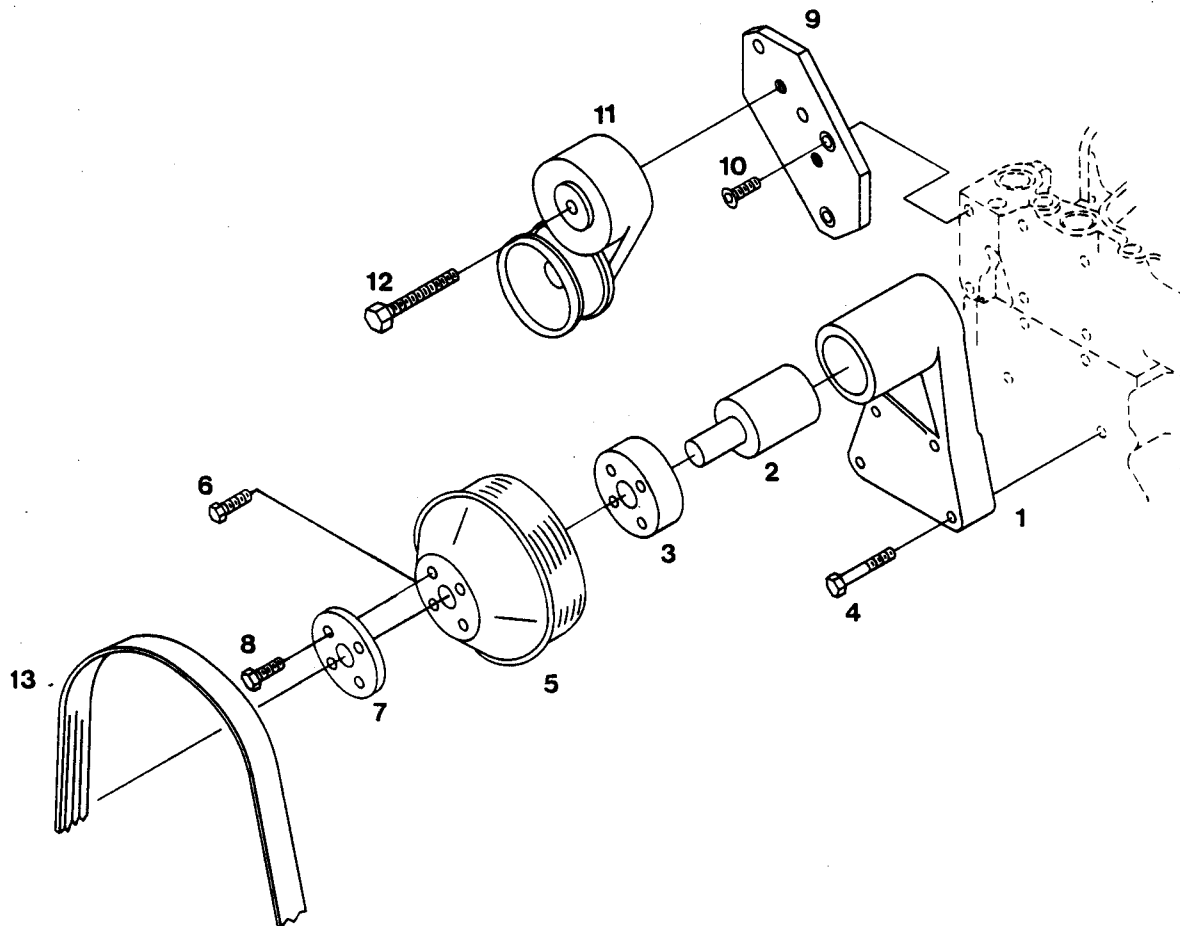
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	<u>FA9013</u>					
-	Bracket, Fan	1	3902352	16	(345) 13.58" center	1889
1	Bracket, Fan	1	3902349	10	Mounts to block	
2	Shaft, Bearing	1	3901741	15	(15.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902709	10	129.0 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	<u>FA9701</u>					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	<u>FA9702</u>					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	<u>EH9707 DELCO 10/15</u>					
9	Bracket, Belt Tensioner	1	3904551	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86	
13	Belt, "V" Ribbed	1	3903092	15	8 Groove, K, 1460.5 long	676
	<u>EH9715 DELCO 20/27 SAME AS EH9707 EXCEPT:</u>					
13	Belt, "V" Ribbed	1	3902715	15	8 Groove, K, 1519.0 long	676
9	Bracket, Belt Ten.	1	3904555	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE, FAN	328	FA9004
393.4MM (15.49 IN. CENTER)	1.1:1	
BELT & TENSIONER	DELCO 10/15	EH9704
BELT & TENSIONER	DELCO 20/27	EH9712



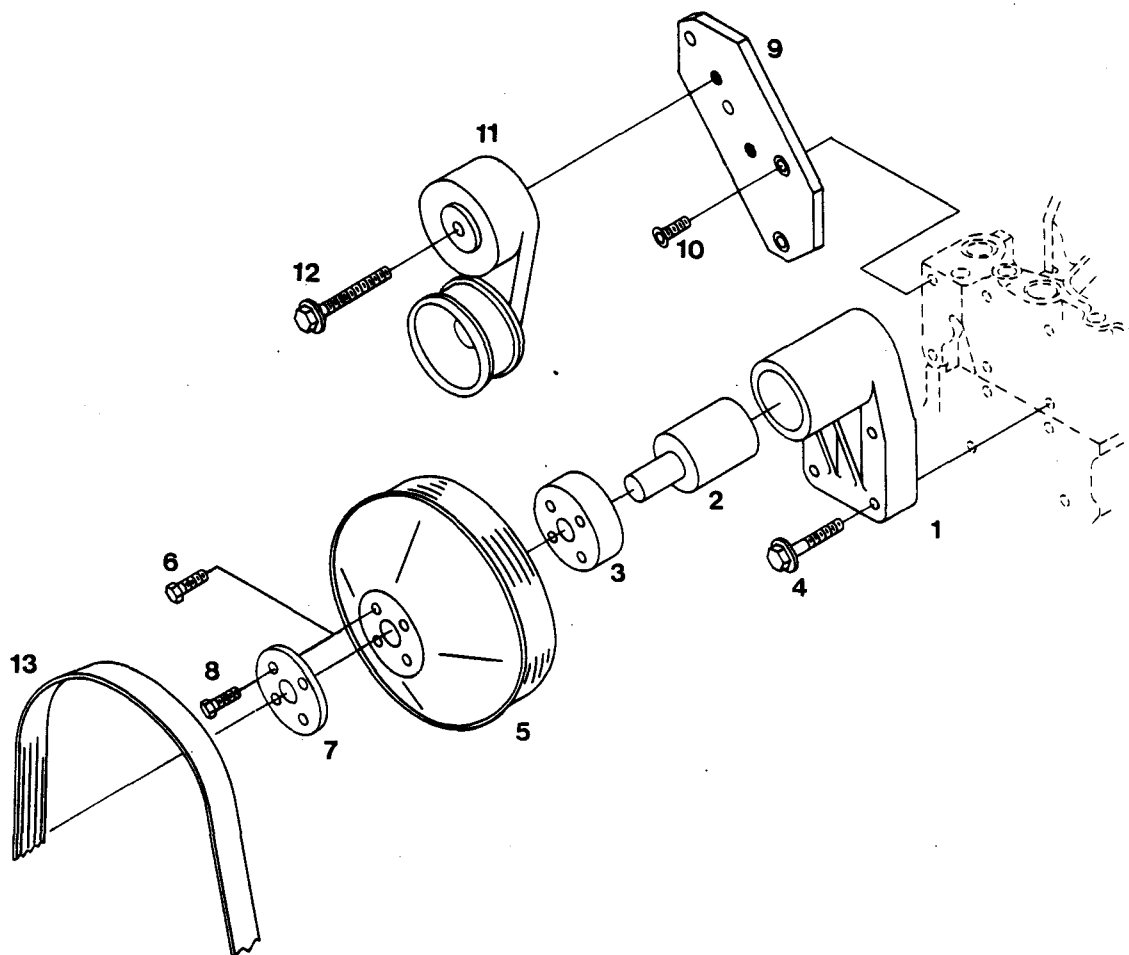
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	<u>FA9004</u>					
-	Bracket, Fan	1	3902353	16	(393.5) 15.49" center	1889
1	Bracket, Fan	1	3902350	10	Mounts to block	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	637
5	Pulley, Fan	1	3902710	10	158 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	<u>FA9701</u>					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	<u>FA9702</u>					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	<u>EH9704 DELCO 10/15</u>					
9	Bracket, Belt Tensioner	1	3904548	10		
10	Screw, Flat Head Soc.	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg)	
13	Belt, "V" Ribbed	1	3903099	15	8 Groove, K, 1574.8 long	676
	<u>EH9712 DELCO 20/27 SAME AS EH9704 EXCEPT:</u>					
13	Belt, "V" Ribbed	1	3903100	15	8 Groove, K, 1612.9 long	676
9	Bracket, Belt Tensioner	1	3904522	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE, FAN	328	FA9014
393.5MM (15.49 IN. CENTER)		1.35:1
BELT & TENSIONER	DELCO 10/15	EH9708
BELT & TENSIONER	DELCO 20/27	EH9716



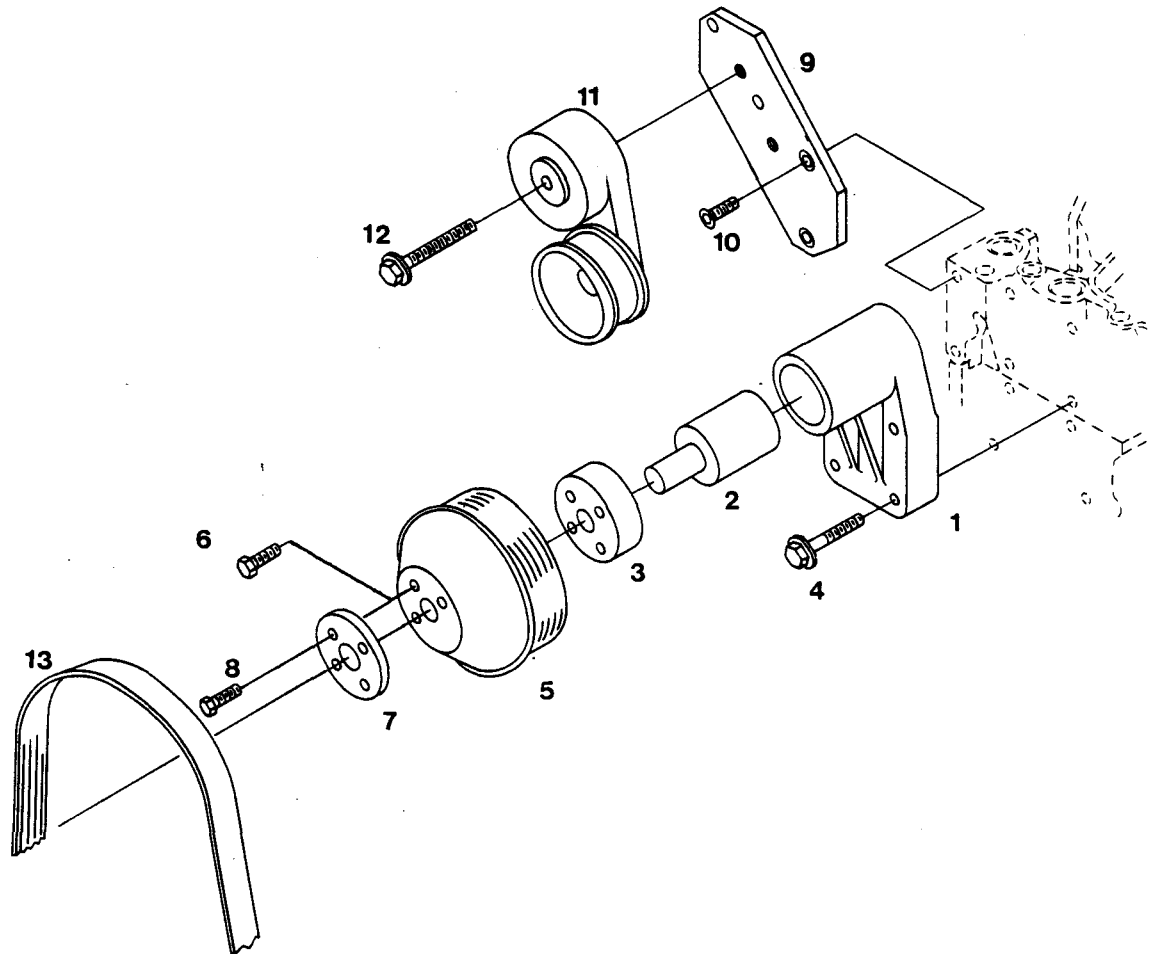
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9014					
1	Bracket, Fan	1	3902353	16	(393.5) 15.49" center	1889
1	Bracket, Fan	1	3902350	15	Mounts to block	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902709	10	158.0 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	FA9701					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
6	Screw, Cap	4	3900620	<u>15</u>	M8-1.25 x 20 (See Note 2)	272
	EH9704 DELCO 10/15					
9	Bracket, Belt Tensioner	1	3904549	10		
10	Screw, Flat Head Soc.	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg.)	
13	Belt, "V" Ribbed	1	3903098	15	8 Groove. K, 1536.7 long	676
	EH9716 DELCO 20/27 SAME AS EH9708 EXCEPT:					
13	Belt, "V" Ribbed	1	3902309	15	8 Groove, K, 1582.0 long	676
9	Bracket, Belt Tensioner	1	3904553	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE. FAN	328	FA9005
444.2MM (17.49 IN. CENTER)		1.1:1)
BELT & TENSIONER	DELCO 10/15	EH9706
BELT & TENSIONER	DELCO 20/27	EH9713



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9005					
-	Bracket, Fan	1	3902351	16	(444.2) 17.49" center	1889
1	Bracket, Fan	1	3902348	10	Mounts to head	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902710	15	158.0 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	FA9701					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	EH9706 DELCO 10/15					
9	Bracket, Belt Tensioner	1	3904550	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg)	
13	Belt "V" Ribbed	1	3903114	15	8 Groove, K, 1663.7 long	676
	EH9713 DELCO 20/27 SAME AS EH9706 EXCEPT:					
13	Belt "V" Ribbed	1	3903115	15	8 Groove, K, 1701.8 long	676
9	Bracket, Belt Tensioner	1	3904554	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

DRIVE. FAN	328	FA9015
444.2MM (17.49 IN. CENTER)		1.35:1
BELT & TENSIONER	DELCO 10/15	EH9709
BELT & TENSIONER	DELCO 20/27	EH9717



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	FA9015					
-	Bracket, Fan	1	3902351	16	(444.2) 17.49" center	1889
1	Bracket, Fan	1	3902348	10	Mounts to head	
2	Shaft, Bearing	1	3901741	15	(25.4) 1" diameter shaft	
3	Hub, Fan	1	3901364	10	(25.0 thick)	
4	Screw, Hex Head Cap	4	3900678	15	M8-1.25 x 40 (flg)	638
5	Pulley, Fan	1	3902709	10	129 diameter, 8 groove	
6	Screw, Hex Head Cap	2	3900620	15	M8-1.25 x 20	272
	FA9701					
7	Plate, Clamping	1	3904690	10	See Note 1	
8	Screw, Cap	4	3900621	15	M8-1.25 x 25	272
	FA9702					
6	Screw, Cap	4	3900620	15	M8-1.25 x 20 (See Note 2)	272
	EH9709 DELCO 10/15					
9	Bracket, Belt Tensioner	1	3904551	10		
10	Screw, Flat Head Socket	2	3903095	15	M8-1.25 x 25	
11	Tensioner, Belt	1	3904370	15	(automatic)	
12	Screw, Hex Head Cap	1	3905426	15	M10-1.5 x 61.86 (flg)	
13	Belt, "V" Ribbed	1	3903113	15	8 Groove, K, 1625.6 long	676
	EH9717 DELCO 20/27 SAME AS EH9709 EXCEPT:					
13	Belt, "V" Ribbed	1	3903114	15	8 Groove, K, 1663.7 long	676
9	Bracket, Belt Tensioner	1	3904555	10		
NOTE #1: FA9701 will be used whenever <u>NO</u> SP option is specified. #2: FA9702 will be used whenever <u>ANY</u> SP option is specified.						

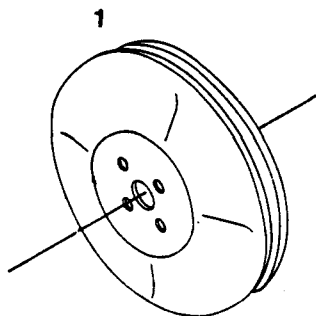
DRIVE. FAN 328

AD9001

MKTG.

FA9016

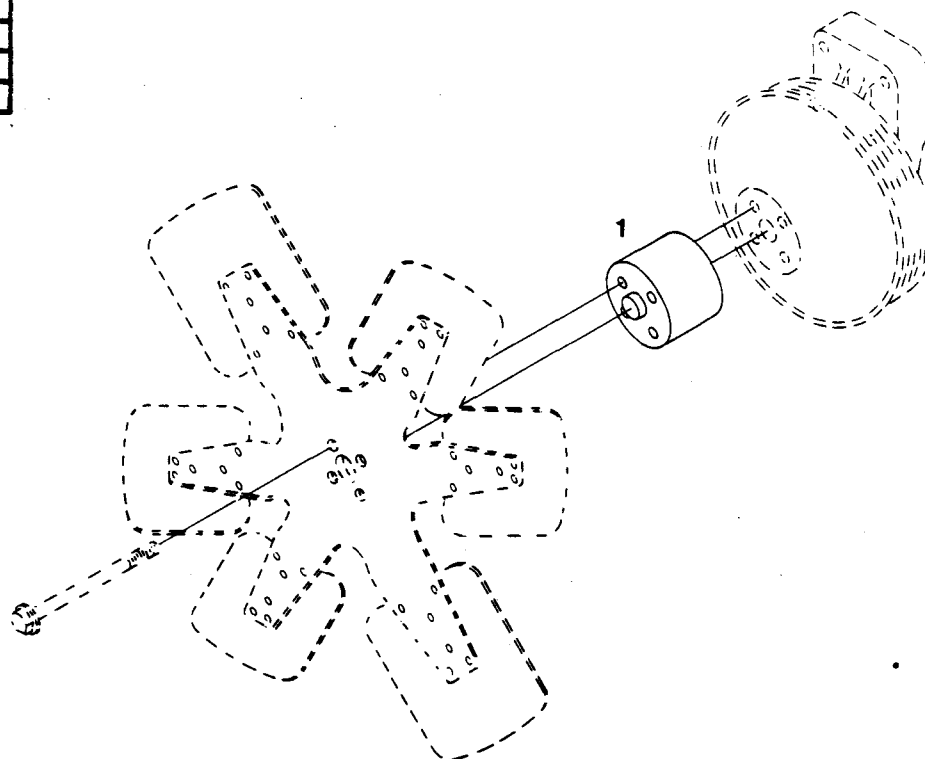
ENGR.



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Pulley, "V" Belt	1	3903221	10	Freon Compressor Drive 1/2" V 176.0 diameter.	
NOTE: This pulley assembles in front of 3902709 or 3902710 fan pulley with no spacers in between.						

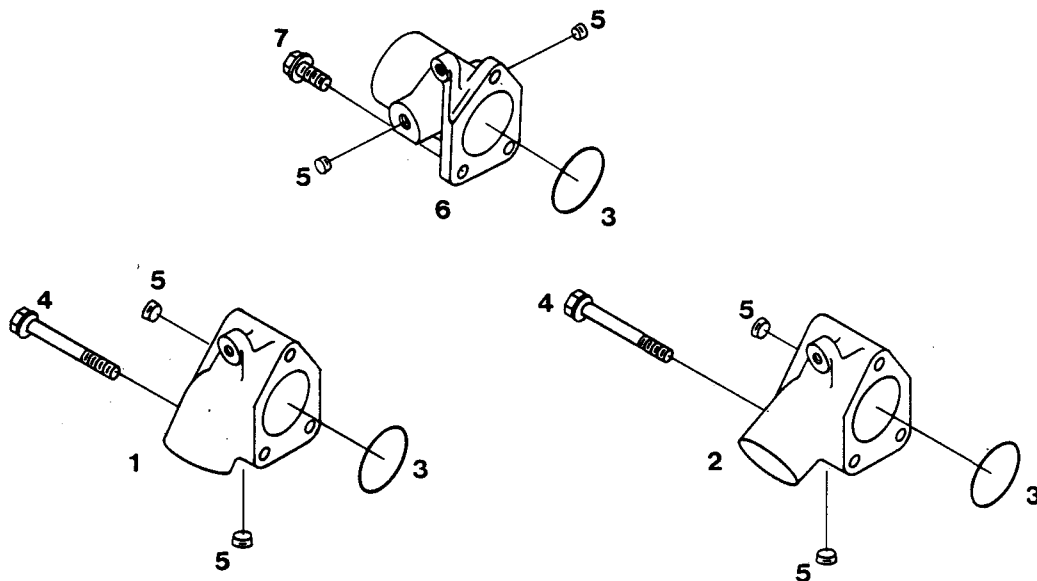
SPACER, FAN PILOT	327	SP
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SP9001	0.25
SP9003	1.00
SP9006	1.50
SP9004	2.00
SP9005	2.50



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	SP9001 Spacer	1	3903820	10	6.35 (.25")	3822
1	SP9003 Spacer	1	3903816	10	25.4 (1.00")	3822
1	SP9006 Spacer	1	3903817	10	38.1 (1.50")	3822
1	SP9004 Spacer	1	3903818	10	50.8 (2.00")	3822
1	SP9005 Spacer	1	3903819	10	63.5 (2.50")	3822

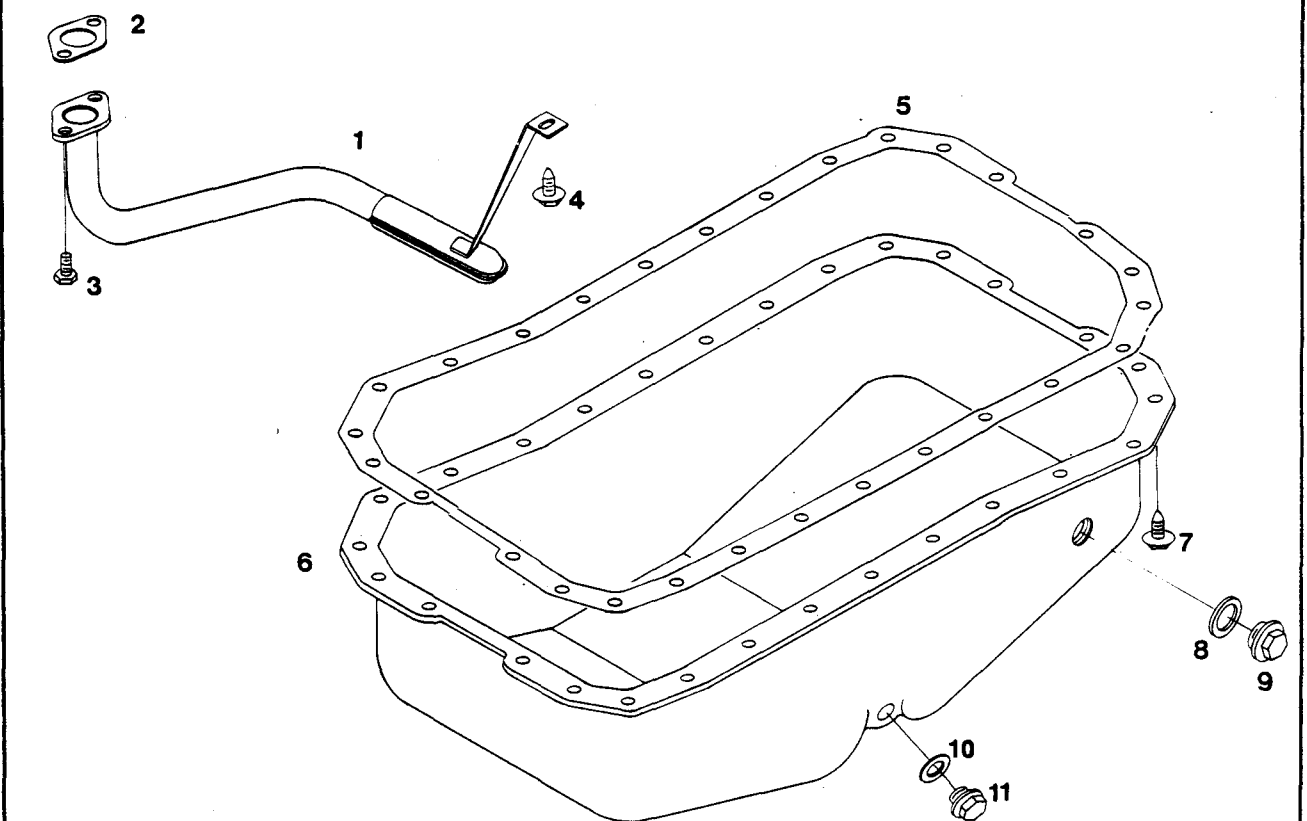
CONNECTION. WATER INLET	228	WI
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ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
<u>WI9002</u>						
1	Connection, Water In	1	3903103	10	73 deg. (58.0 O.D.)	
3	"O" Ring	1	3901467	15	50.16 I.D. x 5.33	830
4	Screw, Hex Head Cap	3	3901757	15	M10-1.5 x 75 (flg)	638
5	Plug, Pipe	2	3008468	15	1/2"	
<u>WI9001</u>						
2	Connection, Water In	1	3903102	10	30 degree (O.D.)	
3	"O" Ring	1	3901467	15	50.16 I.D. x 5.33	830
4	Screw, Hex Head Cap	3	3901757	15	M10-1.50 x 75 (flg)	638
5	Plug, Pipe	2	3008468	15	1/2"-14NPTF-Teflon Coated	3008240
<u>WI9005</u>						
6	Connection, Water In	1	3903786	10		
3	"O" Ring	1	3901467	15	50.16 I.D. x 5.33	830
7	Screw, Hex Head Cap	3	3902460	15	M10-1.50 x 25 (flg)	638
5	Plug, Pipe	2	3008468	15	1/2"-14NPTF-Teflon Coated	3008240

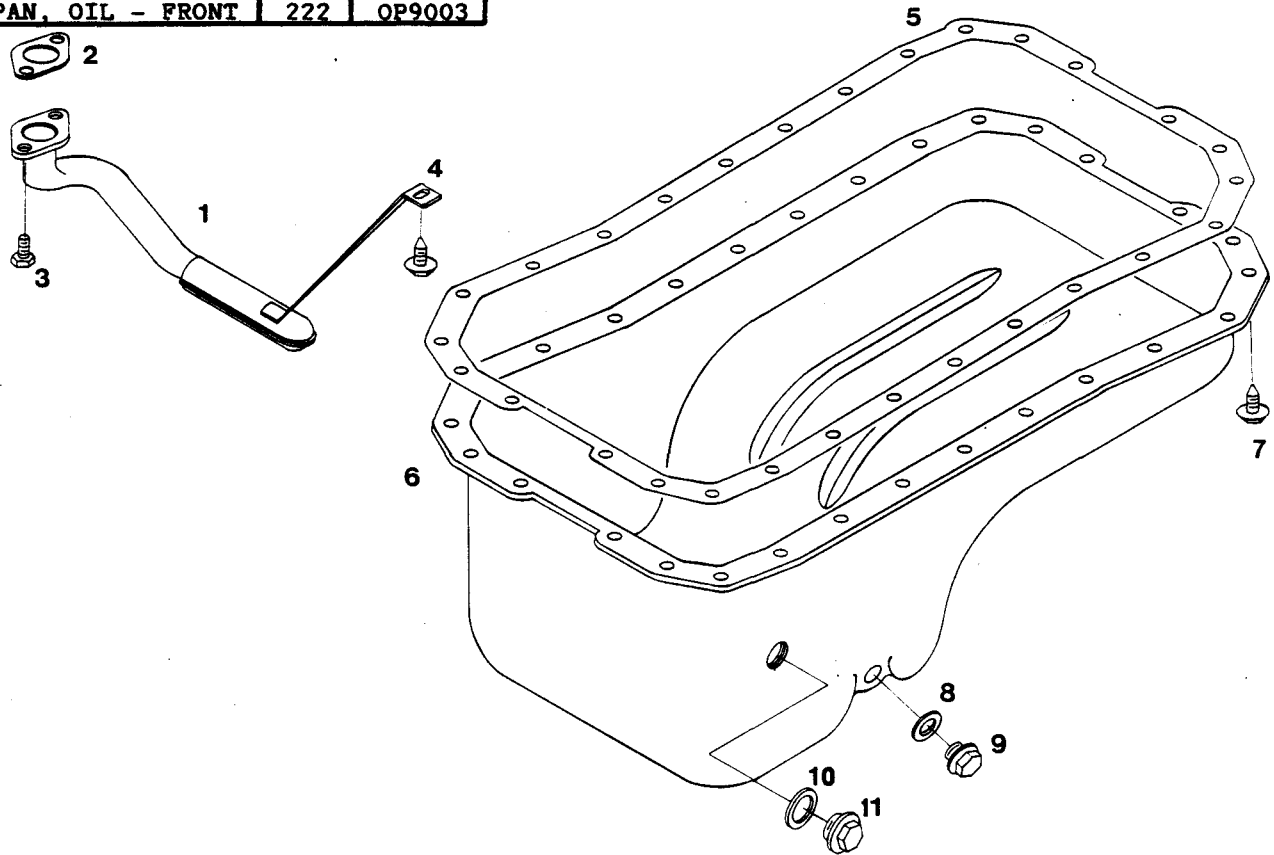
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PAN, OIL	222	OP	CENTER SUMP
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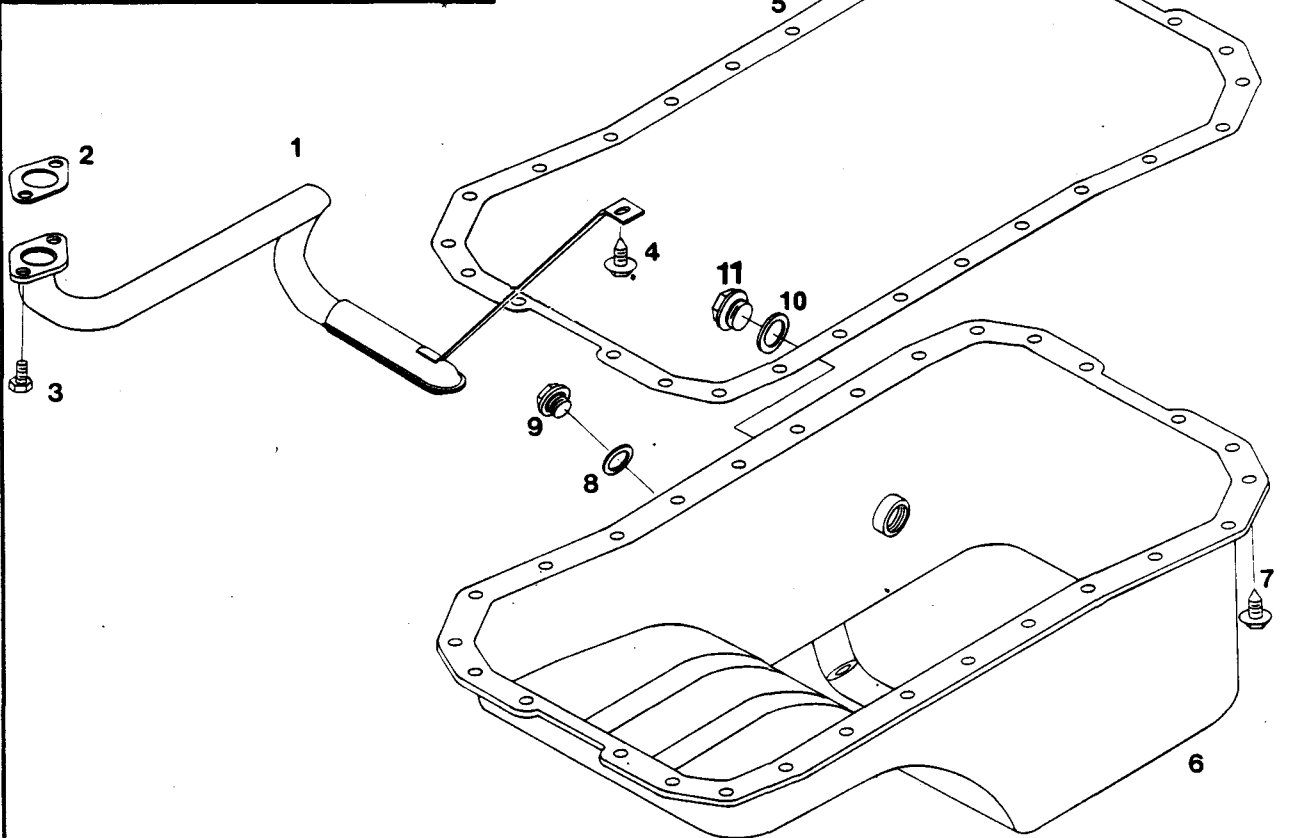
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	PAN, OIL OP9002					
1	Tube, Lube Oil Suction	1	3905223	13		
2	Gasket, Suction Tube	1	3905468	10	.80 thick	
3	Screw, Hex Head Cap	2	3900225	15	M8-1.25 x 16	272
4	Screw, Hex Head Cap	1	3901235	15	M8-1.25 x 12 (flg)	638
5	Gasket, Oil Pan	1	3903393	10	1.50 thick	
6	Pan, Oil - Center	1	3901227	10	Drain is on fuel pump side. of eng.	
7	Screw, Hex Head Cap	28	3901755	15	M8-1.25 x 12	
8	Washer, Sealing	1	3902425	15	22.2 I.D. x 1.5 thick	2436
9	Plug, Threaded	1	3904386	15	M22 x 1.5	2435
10	Washer, Sealing	1	3900216	15	1.5 thick, 18.40 I.D.	
11	Plug, Oil Pan Drain	1	3900215	15	M18 x 1.5 x 12	2435
	PAN, OIL OP9009					
					OP9009 is the same as OP9002 except drain is located on exhaust side of engine.	

PAN, OIL - FRONT 222 OP9003



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Tube, Lube Oil Suction	1	3901208	13		
2	Gasket, Suction Tube	1	3905468	10	.80 thick	
3	Screw, Hex Head Cap	2	3900225	15	M8-1.25 x 16	272
4	Screw, Hex Head Cap	1	3901235	15	M8-1.25 x 12 (flg)	638
5	Gasket, Oil Pan	1	3903393	10	1.50 thick	
6	Pan, Oil - Front	1	3901049	10		
7	Screw, Hex Head Cap	28	3901755	15	M8-1.25 x 12	
8	Washer, Sealing	1	3900216	15	1.5 thick, 18.4 I.D.	2436
9	Plug, Oil Pan Drain	1	3900215	15	M18 x 1.5 x 12	
10	Washer, Sealing	1	3902425	15	22.2 I.D. x 1.5 thick	2436
11	Plug, Threaded	1	3904386	15	M22 x 1.5	2435
NOTE: 3905205 Lube Oil Suction Tube has been released at development status.						

PAN, OIL - REAR 222 OP9004

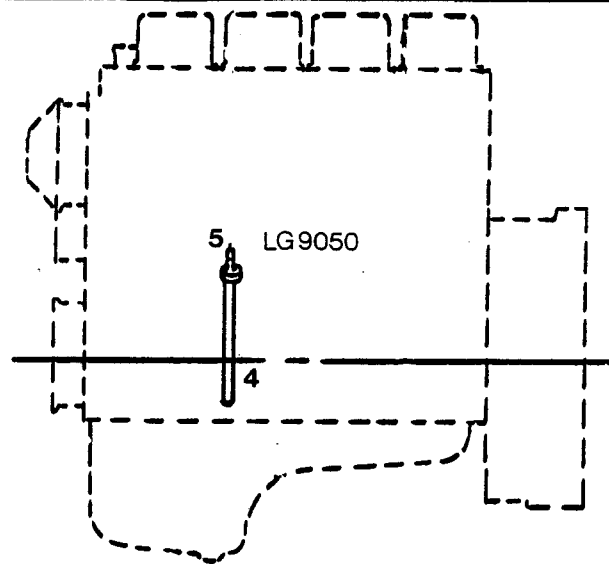
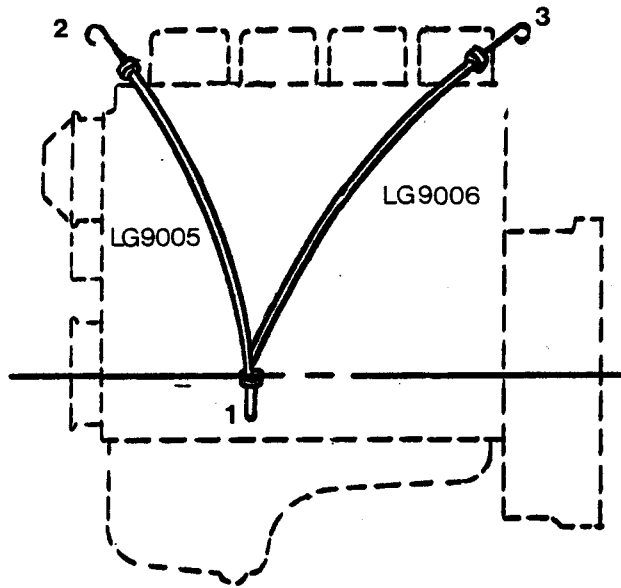


ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	Tube, Lube Oil Suction	1	3901229	13		
2	Gasket, Suction Tube	1	3905468	10	.80 thick	
3	Screw, Hex Head Cap	2	3900225	15	M8-1.25 x 16	272
4	Screw, Hex Head Cap	1	3901235	15	M8-1.25 x 12 (flg)	638
5	Gasket, Oil Pan	1	3903393	10	1.50 thick	
6	Pan, Oil - Rear	1	3901049	10		
7	Screw, Hex Head Cap	28	3901755	15	M8-1.25 x 12	
8	Washer, Sealing	1	3900216	15	1.5 thick, 18.4 I.D.	2436
9	Plug, Oil Pan Drain	1	3900215	15	M18 x 1.5 x 12	
10	Washer, Sealing	1	3902425	15	22.2 I.D. x 1.5 thick	2436
11	Plug, Threaded	1	3904386	15	M22 x 1.5	2435
NOTE: 3905205 Lube Oil Suction Tube has been released at development status.						

GAUGE, OIL LEVEL

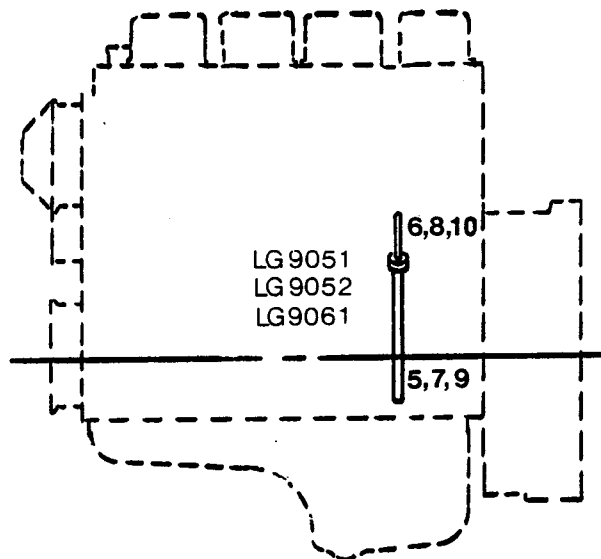
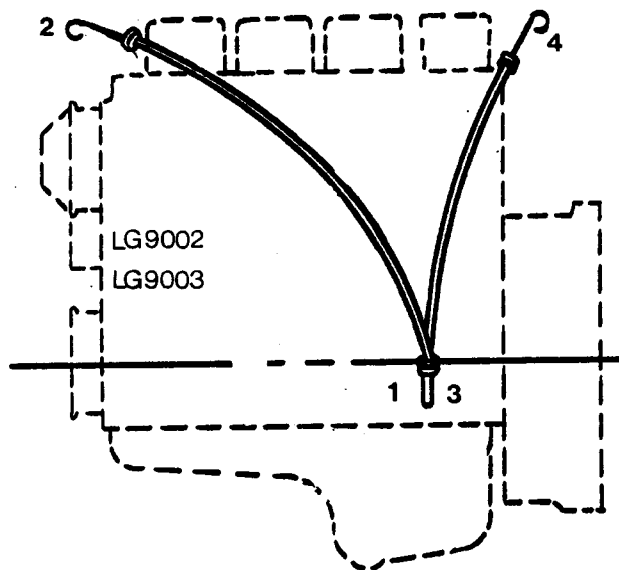
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LG



ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	LG9005					
1	Tube, Oil Gauge	1	3905800	10	Front Sump - 782mm Flex	
2	Dipstick	1	3905790	15	0° Power Angle - Front Access	
	LG9006					
1	Tube, Oil Gauge	1	3905800	10	Front Sump - 782mm Flex.	
3	Dipstick	1	3905790	15	0° Power Angle - Rear Access	
	LG9050					
4	Tube, Oil Gauge	1	3905778	10	Front Sump - 200mm 45° Bend	
5	Dipstick	1	3905780	15	0° Power Angle - Short Dipstick	

GAUGE, OIL LEVEL 226 LG



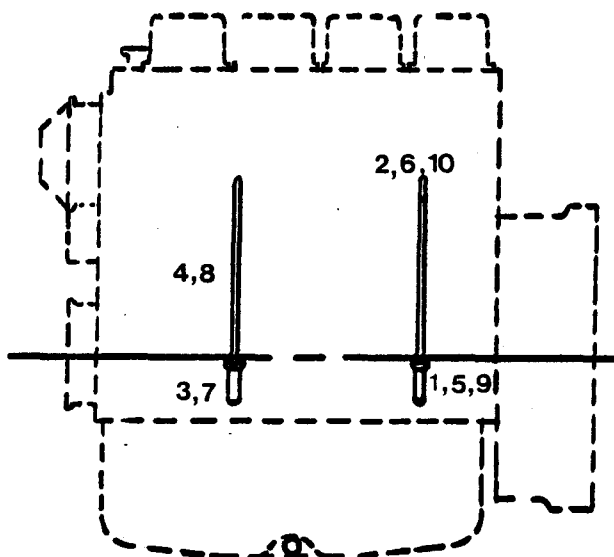
ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
1	LG9002 Tube, Oil Gauge	1	3905800	10	Rear Sump - 782mm Flex 0° Power Angle - Front Access	
2	Dipstick	1	3905790	15		
3	LG9003 Tube, Oil Gauge	1	3905799	10	Rear Sump - 554mm Flex 0° Power Angle - Rear Access	
4	Dipstick	1	3905791	15		
5	LG9051 Tube, Oil Gauge	1	3905425	10	Rear Sump - 65mm Straight 0° Power Angle	
6	Dipstick	1	3905782	15		
7	LG9052 Tube, Oil Gauge	1	3905779	10	Rear Sump - 200mm Straight 0° Power Angle	
8	Dipstick	1	3905780	15		
9	LG9061 Tube, Oil Gauge	1	3905779	10	Rear Sump - 200mm Straight 3° Power Angle	
10	Dipstick	1	3905781	15		

GAUGE, OIL LEVEL

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LG

LG 9043
LG 9054



LG 9039
LG 9053
LG 9055

ITEM	PART NAME	QTY	PART NUMBER	ID CODE	REMARKS	TAB SHT
	LG9039					
1	Tube, Oil Gauge	1	3905779	10	Ctr. Sump 200mm Straight	
2	Dipstick	1	3907777	15	6° P.A.-No Balancer-408 FFOB	
	LG9043					
3	Tube, Oil Gauge	1	3905778	10	Ctr. Sump - 200mm 45° Bend	
4	Dipstick	1	3905783	15	0° P.A.-No Balancer-168 FFOB	
	LG9053					
5	Tube, Oil Gauge	1	3905425	10	Ctr. Sump - 65mm Straight	
6	Dipstick	1	3904294	15	0° P.A.-No Balancer-408 FFOB	
	LG9054					
7	Tube, Oil Gauge	1	3905425	10	Ctr. Sump - 65mm Straight	
8	Dipstick	1	3905783	15	0° P.A.-With Balancer-168 FFOB	
	LG9055					
9	Tube, Oil Gauge	1	3905425	10	Ctr. Sump - 65mm Straight	
10	Dipstick	1	3905783	15	0° P.A. With Balancer-408 FFOB	