AMENDMENTS TO COOLING SYSTEM CATALOGUE IN MONTH OF MAY 2016

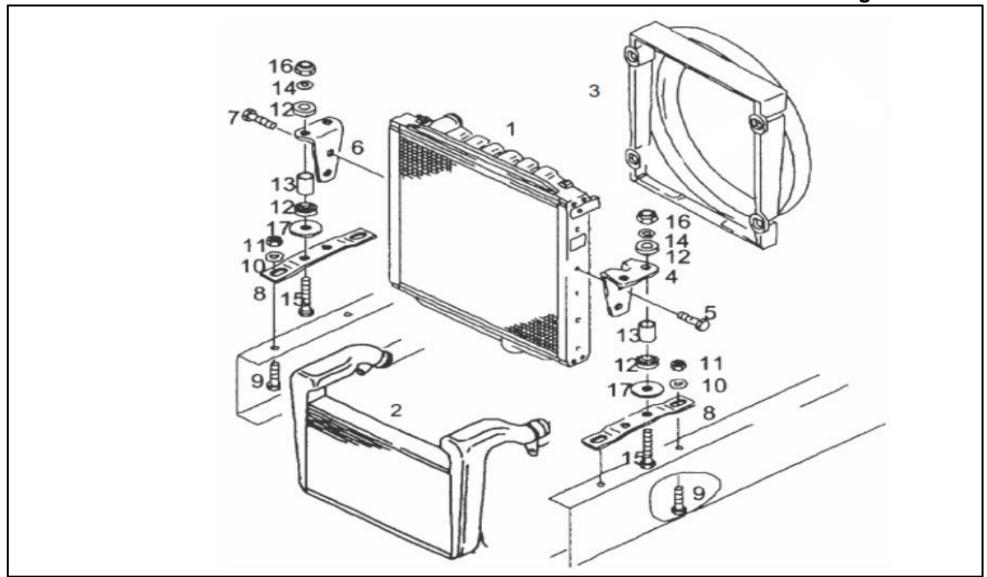
SR NO	GROUP	SUBGROUP	DIAGRAM NO	PAGE NO IN CAT.	SR NO IN CAT.	DESCRIPTION	DATE OF UPDATE	REVISION
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

NIL: NO AMENDMENTS TO THIS CATALOGUE IN MONTH OF MAY 2016

COOLING SYSTEM

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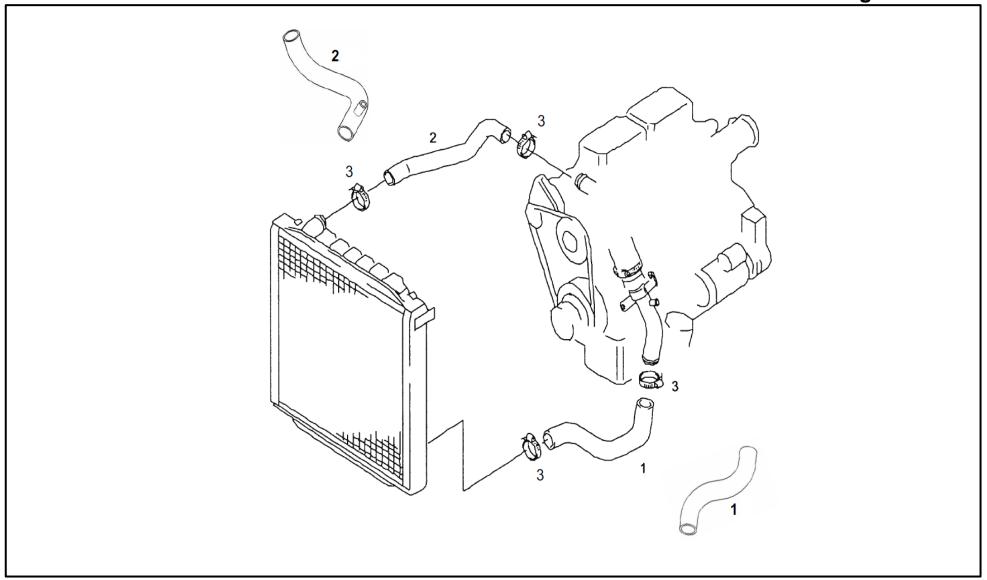


RADIATOR & INTERCOOLER

		TILITOOOLLIN	Biagram No. 01				
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS		
Α	64.06101-6018	COOLING MODULE (INNER FINS)	1	COMMON FOR ALL MODELS EXCEPT 180 HP MODELS FROM VIN: 10624	CONSISTS OF SR 1, 2 & 3		
Α	85.06100-6009	COOLING MODULE FOR 180 HP ENGINE	1	COMMON FOR MODELS WITH 180 HP ENGINES BEFORE VIN: 11601	CONSISTS OF SR 1, 2 & 3		
Α	64.06101-6026	COOLING MODULE (BSIV)	1	COMMON FOR MODELS WITH 4 VCR BS IV ENGINES ONLY.	CONSISTS OF SR 1, 2 & 3		
1	64.06101-6002	RADIATOR	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH BS IV ENGINES & 180 HP ENGINES FROM VIN: 10624.			
1	64.06101-6027	RADIATOR	1	COMMON FOR MODELS WITH 4 VCR BS IV ENGINES ONLY.			
1	64.06101-6009	RADIATOR	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH BS IV ENGINES & 180 HP ENGINES BEFORE VIN: 10624.			
1	81.06101-6780	RADIATOR	1	COMMON FOR MODELS WITH 180 HP ENGINES BEFORE VIN: 11601			
2	64.06130-0005	ASSLY INTERCOOLER- 6 CYL	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH BS IV ENGINES & 180 HP ENGINES FROM VIN: 10624.	NOT USED IN MODELS WITH 180 HP ENGINES BEFORE VIN: 11601.		
2	64.06130-0008	ASSLY INTERCOOLER- 6 CYL	1	COMMON FOR MODELS WITH 4 VCR BS IV ENGINES ONLY.			
2	64.06130-0001	ASSLY INTERCOOLER- 6 CYL	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH BS IV ENGINES & 180 HP ENGINES BEFORE VIN: 10624.			
2	81.06130-0133	INTERCOOLER	1	COMMON FOR MODELS WITH 180 HP ENGINES BEFORE VIN: 11601			
3	64.06201-0002	SHROUD FOR RADIATOR (6 CYL)	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH BS IV ENGINES.	NOT USED IN MODELS WITH 180 HP ENGINES BEFORE VIN: 11601.		
3	64.06201-0061	SHROUD FOR RADIATOR (6 CYL)	1	COMMON FOR MODELS WITH 4 VCR BS IV ENGINES ONLY.			

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-	64.92010-0010	THREADED SPACER RADIATOR MTG	1		
-	64.06201-0032	MOUNTING BKT LH (RADIATOR ASSY)	1		
17	64.90040-0043	WASHER	1		SUPERCEDED BY 64.90020-2001
16	64.90501-0015	HEX LOCK NUT AM10-8 M7.112.60 MAN1	4		
15	64.90020-0024	SCREW M10X50-8.8 DIN 931 MAN183-B1	4		
14	64.90711-0003	WASHER (RADIATOR MOUNTING)	4		
13	64.93030-0001	SLEEVE (RADIATOR MOUNTING)	4		
12	64.06225-0003	RUBBER BUFFER (RADIATOR MOUNTING)	8		
11	64.90501-0015	HEX LOCK NUT AM10-8 M7.112.60 MAN183	4		
10	64.90710-0075	WASHER A10.5 DIN125-200HV MAN183-B1	4		
9	64.90020-0022	SCREW M10X30-8.8 DIN 931 MAN183-B1	4		
8	64.06245-0003	INTERMEDIATE BRACKET (RADIATOR MTG)	2		
7	64.90020-0023	SCREW M10X16-10.9 M7.012.04 MAN183-B1	2		
6	64.06245-0002	RADIATOR MTG BKT RH (ON RADIATOR)	1		
5	64.90020-0023	SCREW M10X16-10.9 M7.012.04 MAN183-B1	2		
4	64.06245-0001	RADIATOR MTG BKT LH (ON RADIATOR)	1		
3	81.06620-0125	SHROUD FOR RADIATOR	1	COMMON FOR MODELS WITH 180 HP ENGINES BEFORE VIN: 11601	

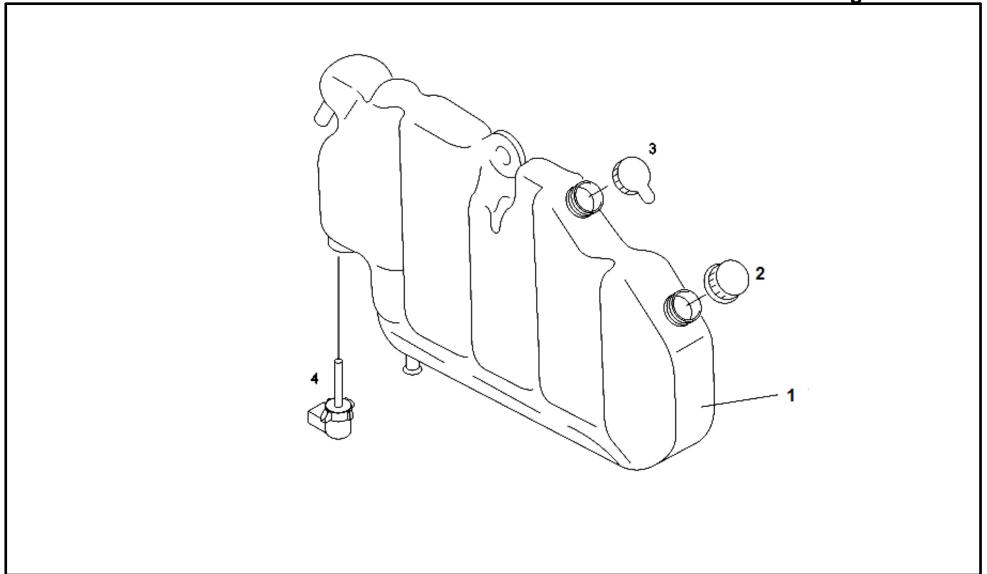
COOLING HOSES Diagram No. 02



COOLING HOSES Diagram No. 02

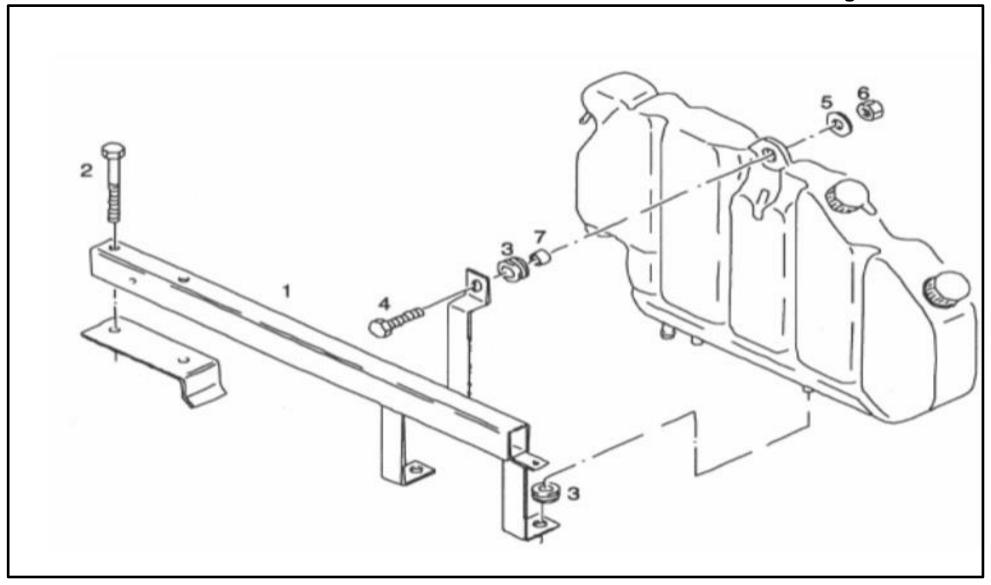
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96301-0014	HOSE FOR RADIATOR (WATER OUT) 25T	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH 2 VCR ENGINES	
1	64.96301-0068	HOSE FOR RADIATOR WATER OUT (2 VCR)	1	COMMON FOR MODELS WITH 2 VCR ENGINES ONLY	
2	64.96301-0010	HOSE FOR RADIATOR (WATER IN)	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH 2 VCR ENGINES	
2	64.96301-0067	HOSE FOR RADIATOR WATER IN (2 VCR)	1	COMMON FOR MODELS WITH 2 & 4 VCR ENGINES ONLY	
3	64.90701-0007	HOSE CLAMP (H50-70), M3259	4	COMMON FOR ALL MODELS	
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SURGE TANK Diagram No. 03



SURGE TANK

<u> </u>	COL IMIT		Diagram No. 00		
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.06102-6001	ASSY EXPANSION TANK W FILLER CAP	1	COMMON FOR ALL MODELS EXCEPT BUS MODELS	PART OBSOLETE.NOT SERVICED.USE 64.06102-6005
1	64.06102-6005	HEADER TANK W LEVEL SENSOR & PR. CAP	1	COMMON FOR ALL MODELS EXCEPT BUS MODELS	
1	81.06102-6218	COOLANT EXPANSION TANK	1	COMMON FOR BUS MODEL ONLY	FOR BUS WITH HORIZONTAL COOLANT TANK
1	64.06102-6007	HEADER TANK W LEVEL SENSOR & PR. CAP	1	COMMON FOR MODELS WITH 4 VCR ENGINES ONLY	
2	81.06111-0023	PRESSURE RELIEF CAP	1	COMMON FOR MODELS WITH 4 VCR ENGINES ONLY	
2	81.06111-0020	PRESSURE RELIEF CAP	1	COMMON FOR ALL MODELS EXCEPT MODELS WITH 4 VCR ENGINES	
3	64.06111-0001	FILLER CAP	1	COMMON FOR ALL MODELS	
4	64.27421-0018	STEM LEVEL SWITCH WITH CONNECTOR	1	COMMON FOR ALL MODELS EXCEPT BUS MODEL	
4	81.27421-0181	COOLANT LEVEL SENSOR	1	COMMON FOR BUS MODEL ONLY	FOR BUS WITH HORIZONTAL COOLANT TANK
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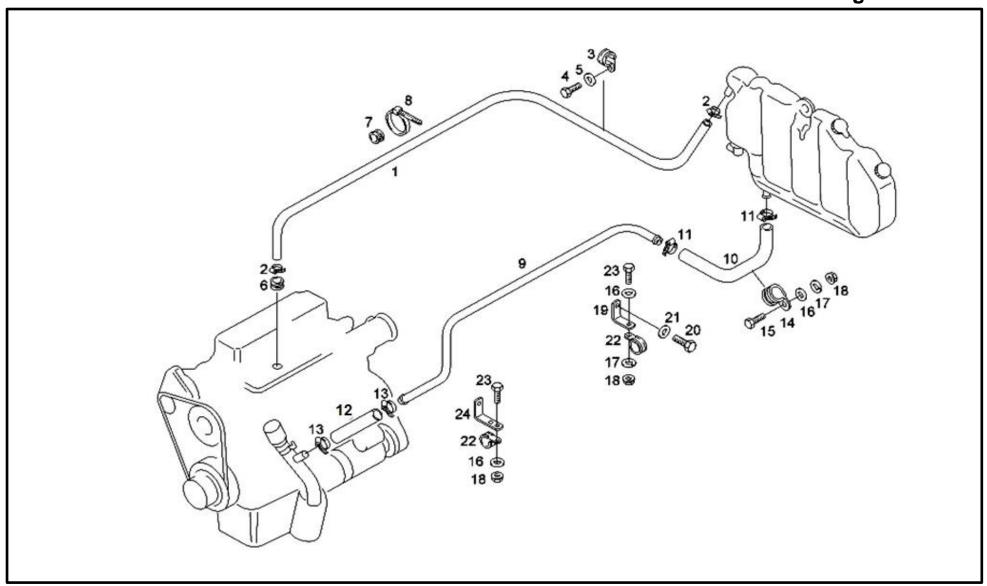


MOUNTINGS FOR SURGE TANK ASSLY

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		TOR SURGE TAIN ASSLT	^=\'	ADDI 1045; E 1465E;	Diagram No. 04
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.41701-5013	SURGE TANK BKT ASSLY	1	COMMON FOR ALL MODELS EXCEPT BUS	
2	64.90020-0025	SCREW M10X70-10.9 MAN183-B1 M7.012.04	2	COMMON FOR ALL MODELS EXCEPT BUS	ALTERNATE 06.02813-4419
3	64.96001-0014	RUBBER GROMMET (SURGE TANK MTG)	3	COMMON FOR ALL MODELS EXCEPT BUS	
4	64.90020-0022	SCREW M10X30-8.8 DIN 931 MAN183-B1	1	COMMON FOR ALL MODELS EXCEPT BUS	
5	64.90710-0059	PL WASHER B10.5 DIN9021ST BTS170202.12	1	COMMON FOR ALL MODELS EXCEPT BUS	
6	64.90501-0038	HN M10X1.5 IS1364 PT.III-8 BTS 170202.22	1	COMMON FOR ALL MODELS EXCEPT BUS	
7	64.90713-0006	SPACER (SURGE TANK MTG)	1	COMMON FOR ALL MODELS EXCEPT BUS	
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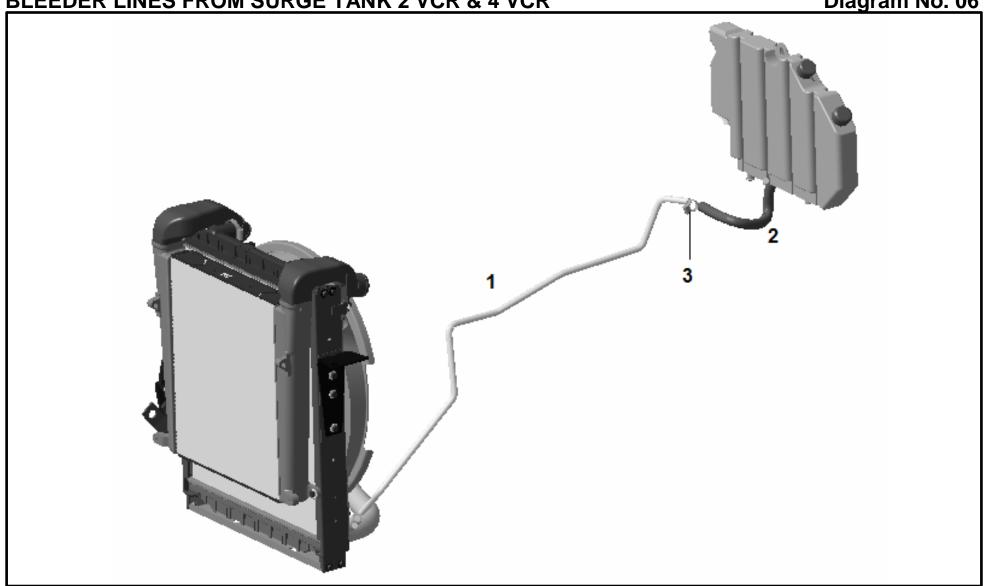
BLEEDER LINES FROM SURGE TANK



BLEEDER LINES FROM SURGE TANK

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96301-0025	COOLING WATER HOSE (10-5) DAY CAB	1	COMMON FOR MODELS WITH DAY CABIN & WITH VP44, VE6 FIP ONLY	
1	64.96301-0011	COOLING WATER HOSE (L=1520MM)	1	COMMON FOR MODELS WITH HIGH ROOF & FLAT ROOF CABIN & WITH VP44, VE6 FIP ONLY	
2	64.97201-0006	CLIP KLIPCO /(18-25)	2	COMMON FOR ALL MODELS	
3	64.97445-0021	MOUNTING CLAMP A18 MAN194	1	COMMON FOR ALL MODELS	
4	64.90020-2001	SCREW ST6.3X22-C MAN183-B1 DIN 7976	1	COMMON FOR ALL MODELS	
5	64.90710-0025	PLAIN WASHER A6.4 DIN125-ST A3C	1	COMMON FOR ALL MODELS	
6	64.96001-0014	RUBBER GROMMET	1	COMMON FOR ALL MODELS	
7	64.96001-0014	RUBBER GROMMET	1	COMMON FOR ALL MODELS	
8	NSSP	CABLE TIE	1	COMMON FOR ALL MODELS	NOT SERVICED
9	64.06303-5004	COOLANT PIPE (DAY CAB)	1	COMMON FOR MODELS WITH DAY CABIN & WITH VP44, VE6 FIP ONLY	
9	64.06303-5003	COOLANT PIPE FOR SL CAB	1	COMMON FOR MODELS WITH HIGH ROOF & FLAT ROOF CABIN & WITH VP44, VE6 FIP ONLY	
10	64.96301-0047	COOLING WATER HOSE	1	COMMON FOR MODELS WITH DAY CABIN & WITH VP44, VE6 FIP ONLY	
10	64.96301-0100	COOLING WATER HOSE	1	COMMON FOR MODELS WITH HIGH ROOF & FLAT ROOF CABIN & WITH VP44, VE6 FIP ONLY	
11	64.97445-0022	HOSE CLIP (22-30)	1	COMMON FOR ALL MODELS	SUPERCEDED BY 64.97201-0006
12	64.96301-0013	COOLING WATER HOSE (L=80MM)	1	COMMON FOR MODELS WITH HIGH ROOF, FLAT ROOF CABIN & DAY CABIN & WITH VP44, VE6 FIP ONLY	
13	64.97445-0022	HOSE CLIP (22-30)	2	COMMON FOR MODELS WITH HIGH ROOF, FLAT ROOF CABIN & DAY CABIN & WITH VP44, VE6 FIP ONLY	SUPERCEDED BY 64.97201-0006

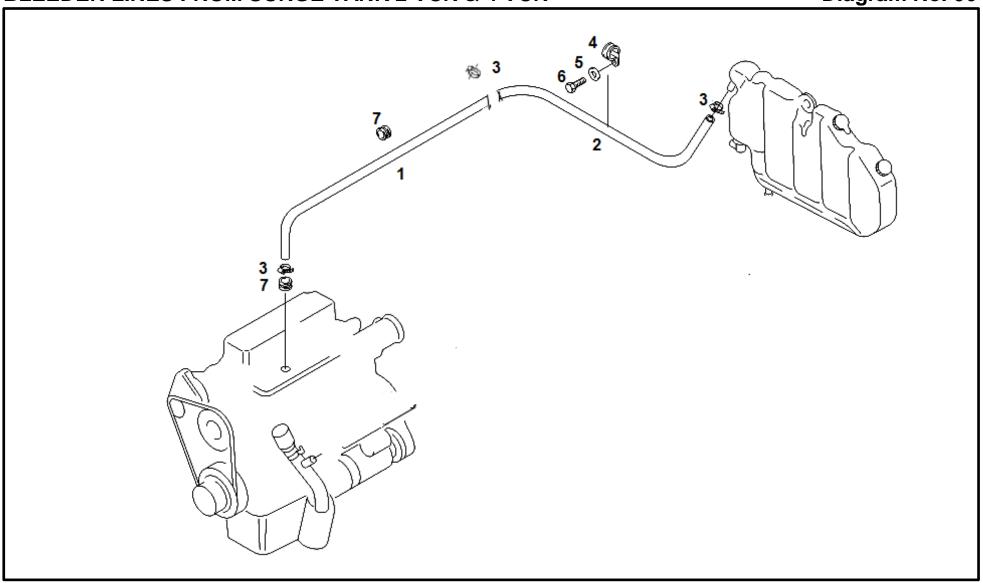
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24	64.06245-0004	HOLDING BRACKET	1	COMMON FOR ALL MODELS	
23	64.90020-0028	HHS M6X20-8.8 DIN933 MAN 183-B1	2	COMMON FOR ALL MODELS	
22	64.97122-0006	CLAMP DI-18X15-W1-2-CR) DIN 3016	2	COMMON FOR ALL MODELS	
21	64.90710-0075	WASHER A10.5 DIN125-200HV MAN183-B1	1	COMMON FOR ALL MODELS	
20	64.90020-0029	HHS M10X20-8.8 DIN 933 MAN183-B1	1	COMMON FOR ALL MODELS	
19	64.06245-0004	HOLDING BRACKET	1	COMMON FOR ALL MODELS	
18	64.90501-0042	HEX. NUT M6 DIN 934-8 MAN183-B1	3	COMMON FOR ALL MODELS	
17	64.90801-0046	SPRING WASHER B6 DIN127 A3C	2	COMMON FOR ALL MODELS	
16	64.90710-0025	PLAIN WASHER A6.4 DIN125-ST A3C	3	COMMON FOR ALL MODELS	
15	64.90020-0028	HHS M6X20-8.8 DIN933 MAN 183-B1	1	COMMON FOR ALL MODELS	
14	64.97122-0005	CLAMP DI-28X15-W1-2-CR, DIN 3016	1	COMMON FOR ALL MODELS	



BLEEDER LINES FROM SURGE TANK 2 VCR & 4 VCR

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.06303-5017	COOLANT PIPE RADIATOR DY CAB (2VCR)	1	COMMON FOR MODELS WITH DAY CABIN & WITH 2 VCR ENGINES ONLY.	
1	64.06303-5012	COOLANT PIPE (MEDIUM CAB) - 2VCR	1	COMMON FOR MODELS WITH HIGH ROOF & FLAT ROOF CABIN & WITH 2 VCR ENGINES ONLY.	SUPERCEDED BY 64.06303-5017
1	64.06303-5029	COOLANT PIPE FOR DAY CAB E4	1	COMMON FOR MODELS WITH 4 VCR ENGINES & DAY CABIN ONLY	
1	64.06303-5030	COOLANT PIPE FOR SL CAB E4	1	COMMON FOR MODELS WITH 4 VCR ENGINES & SLEEPER & HIGH ROOF CABIN ONLY	
2	64.96301-0012	COOLING WATER HOSE	1	COMMON FOR MODELS WITH 2 VCR ENGINES ONLY	
2	64.96301-0100	COOLING WATER HOSE	1	COMMON FOR MODELS WITH 4 VCR ENGINES ONLY	
3	64.97445-0022	HOSE CLIP (22-30)	3	COMMON FOR ALL MODELS	SUPERCEDED BY 64.97201-0006
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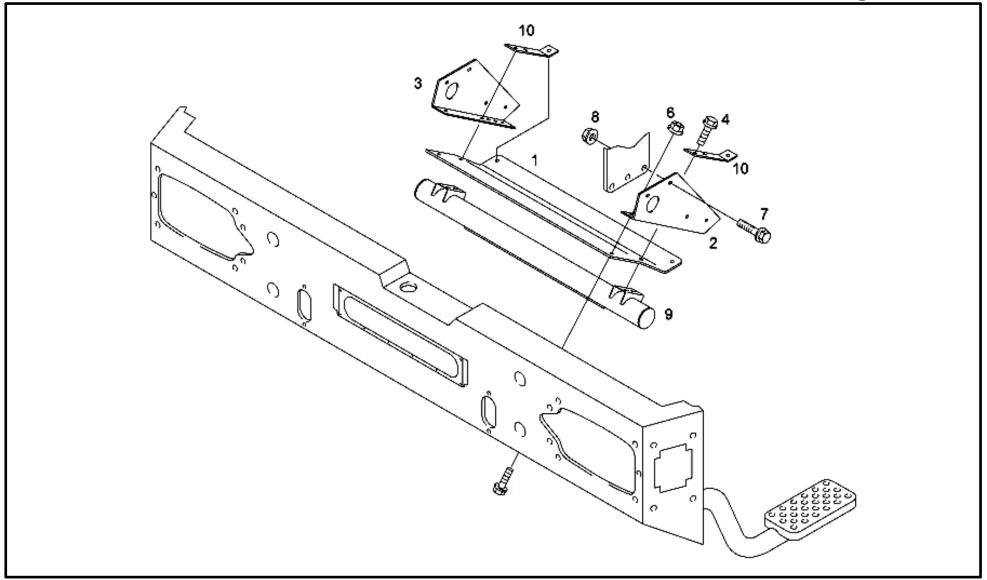
BLEEDER LINES FROM SURGE TANK 2 VCR & 4 VCR



BLEEDER LINES FROM SURGE TANK 2 VCR & 4 VCR

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S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96301-5015	PIPE DEARIATION	1	COMMON FOR MODELS WITH 2 VCR ENGINES ONLY	
1	64.06303-0193	PIPE DEARIATION	1	COMMON FOR MODELS WITH 4 VCR ENGINES ONLY	64.06303-0210 ALTERNATE
2	64.96301-0079	HOSE PIPE	1	COMMON FOR 2 VCR & 4VCR ENGINES ONLY	
3	64.97201-0006	CLIP KLIPCO /(18-25)	3	COMMON FOR ALL MODELS	
4	64.97445-0021	MOUNTING CLAMP A18 MAN194	1	COMMON FOR ALL MODELS	
5	64.90710-0025	PLAIN WASHER A6.4 DIN125-ST A3C	1	COMMON FOR ALL MODELS	
6	64.90020-2001	SCREW ST6.3X22-C MAN183-B1 DIN 7976	1	COMMON FOR ALL MODELS	
7	64.96001-0014	RUBBER GROMMET	1	COMMON FOR ALL MODELS	
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RADIATOR GUARD Diagram No. 07



RADIATOR GUARD

	DIATOR G	Diagram No. 01			
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.06201-0023	RADIATOR GUARD	1	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES AFTER VIN: 2258
1	64.06201-0006	RADIATOR GUARD-BUMPER	1	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES BEFORE VIN: 2258
2	64.06201-0007	SUPPORT BRACKET LH (RADIATOR GUARD)	2	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES AFTER VIN: 2258
3	64.06201-0008	SUPPORT BRACKET RH (RADIATOR GUARD)	2	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES AFTER VIN: 2258
4	64.90020-0362	SCREW M14X1.5X25-10.9, M701204	4	COMMON FOR TIPPER MODELS ONLY	
5	64.90020-0017	SCREW M10X20-10.9 M7.012.04, MAN183B1	3	COMMON FOR TIPPER MODELS ONLY	
6	64.90501-0017	NUT M10X1.5-10 , M7.112.40-MAN183B1	3	COMMON FOR TIPPER MODELS ONLY	
7	64.90020-0199	SCREW M14X1.5X30-10.9, M701204	4	COMMON FOR TIPPER MODELS ONLY	
8	64.90501-0011	NUT M14X1.5-10 , M7.112.40-MAN183B1	4	COMMON FOR TIPPER MODELS ONLY	
9	64.06201-0062	TUBE	1	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES AFTER VIN: 2258
10	64.06201-0011	SUPPORT BKT FOR RADIATOR GUARD	1	COMMON FOR TIPPER MODELS ONLY	FOR VEHICLES BEFORE VIN : 2258
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Diagram No. 08 **AIR DEFLECTOR**

AIR DEFLECTOR Diagram No. 08

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.06608-0001	AIR DEFLECTOR FLAP	1		
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