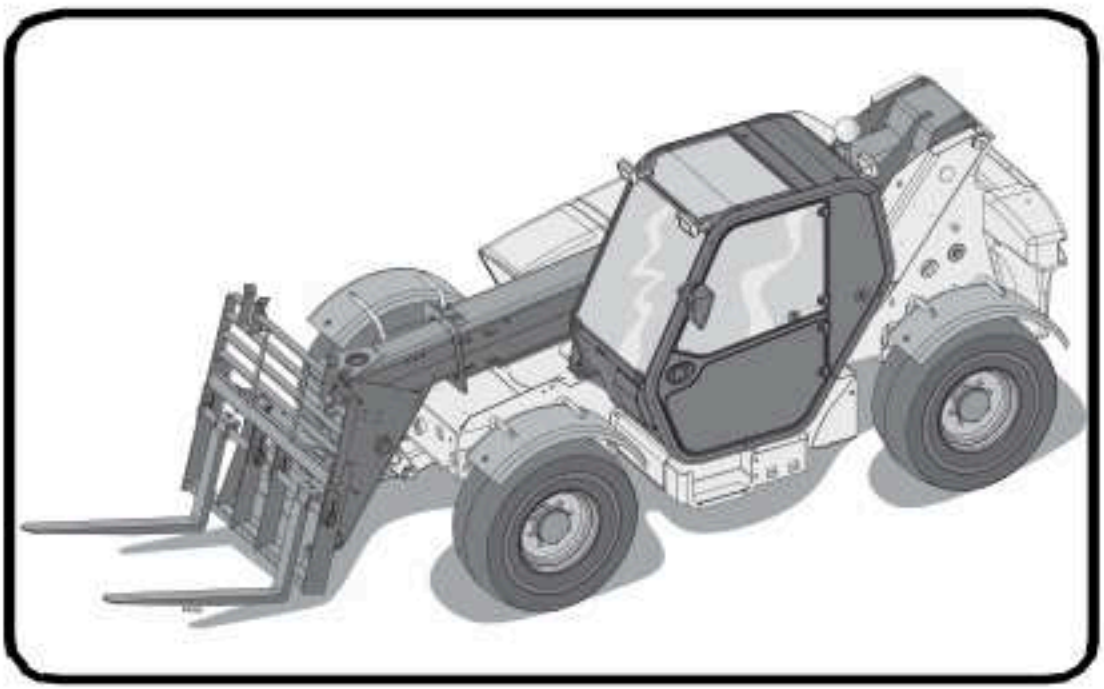
Bobcat

Service Manual
T3571, T3571L Telescopic Handler

T3571: S/N A8HF11001 & Above
T3571L: S/N A8H611001 & Above



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

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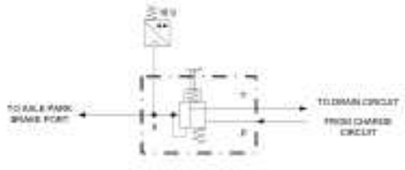
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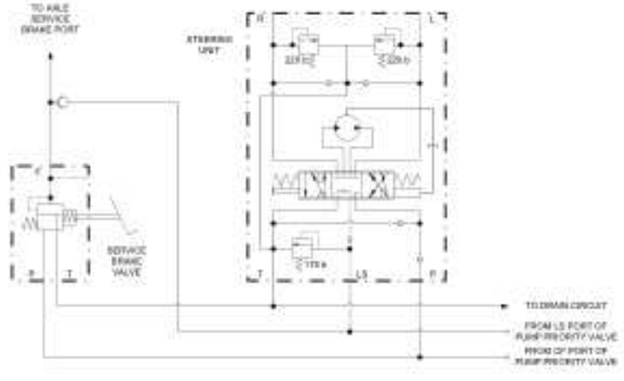
PARKING BRAKE VARIANT

ESA VERSION
(SEE STANDARD SCHEMATIC FOR FULL REPRESENTATION)

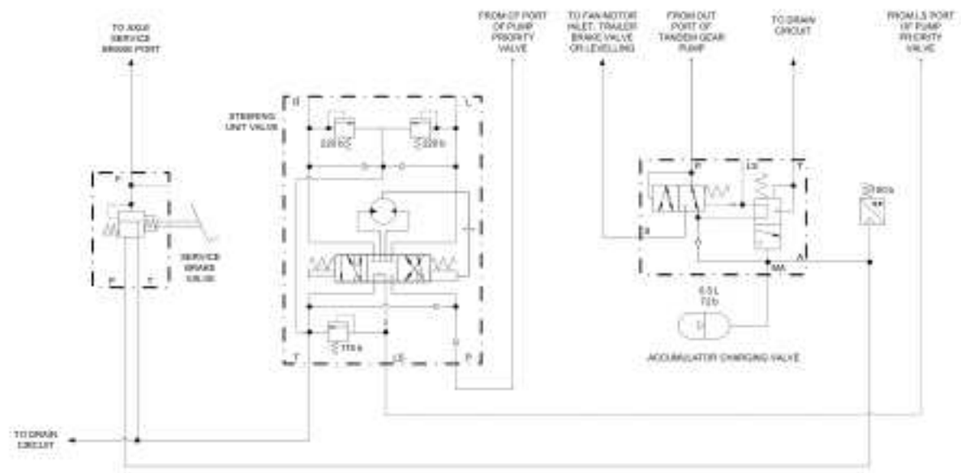


SERVICE BRAKE VARIANT

STANDARD VERSION
(SEE STANDARD SCHEMATIC FOR FULL REPRESENTATION)



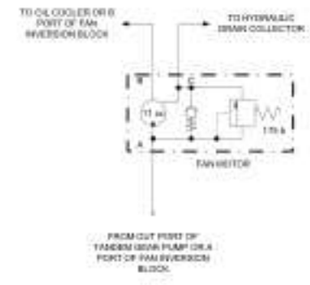
GERMAN VERSION



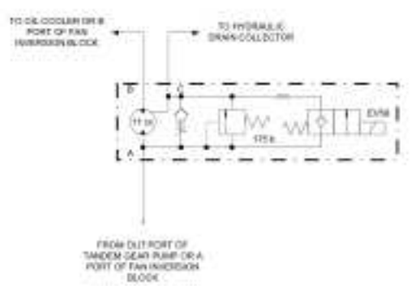
FAN VARIANT

APPLICABLE FOR ALL MACHINES EXCEPTED T2250 / VA17

STANDARD VERSION
(SEE STANDARD SCHEMATIC FOR FULL REPRESENTATION)



2 SPEED VERSION



HYDRAULIC SCHEMATIC
T3571 (S/N A8HF11001 AND ABOVE)
T3571L (S/N A8H611001 AND ABOVE)

(PRINTED MARCH 2010)
V-1388

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ELECTRICAL SYSTEM INFORMATION (S/N A8HF12999 & BELOW, S/N A8H612999 & BELOW)

Troubleshooting Chart

The following troubleshooting chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorised Bobcat Service Personnel only.

⚠ WARNING

AVOID INJURY OR DEATH

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

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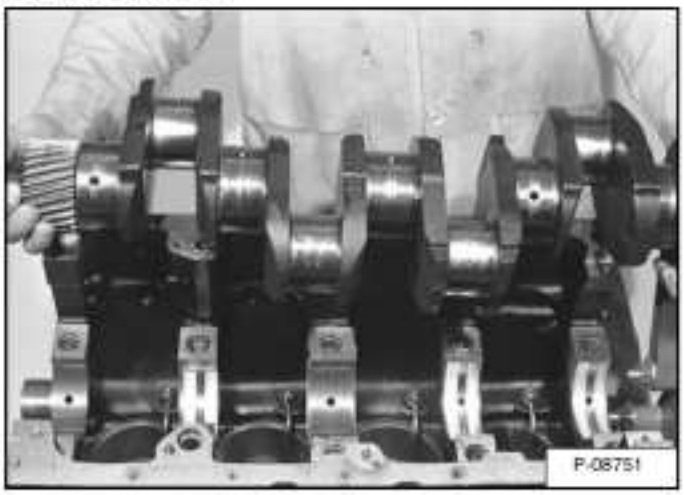
PROBLEM	CAUSE
Battery will not take charge.	1, 2, 3, 4, 5
Alternator will not charge.	1, 2, 5
Starter will not turn the engine.	2, 3, 4, 6, 7, 8, 9

KEY TO CORRECT THE CAUSE
1. Alternator belt is loose or damaged.
2. Battery connections are dirty or loose.
3. Battery is damaged.
4. The earth connection is not making a good contact.
5. The alternator is damaged
6. The engine is locked.
7. The starter is damaged.
8. The wiring or the solenoid is damaged.
9. Check the fuses.

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Crankshaft And Bearings Removal (Cont'd)

Figure 70-100-94



Remove the crankshaft **[Figure 70-100-94]**.

Figure 70-100-95

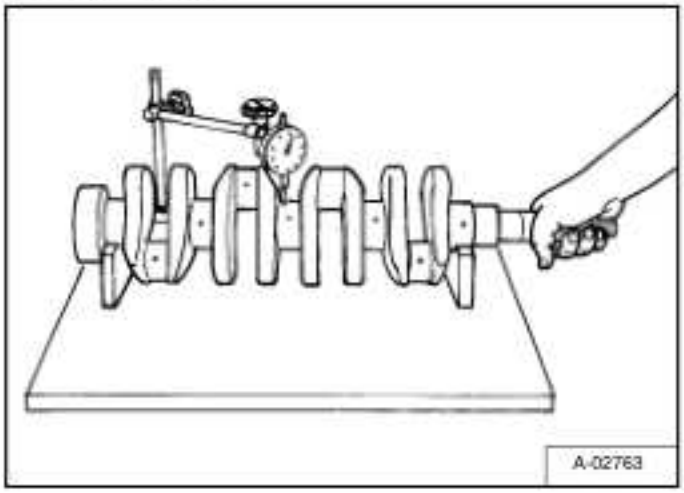


Remove the crankshaft bearings from the engine block **[Figure 70-100-95]**.

Keep the bearings with their respective caps for installation.

Inspection Of Crankshaft And Bearings

Figure 70-100-96



Check the crankshaft for wear **[Figure 70-100-96]**. The maximum wear and out of round of the crank journals is 0.0016 inch (0,04 mm).

The main journals and the crank pins of standard size can be machined 0.010 inch (0,25 mm) 0.020 inch (0,50 mm) or 0.030 inch (0,75 mm).

NOTE: (See ENGINE SPECIFICATIONS on Page SPEC-20-1.) for more crankshaft specifications.

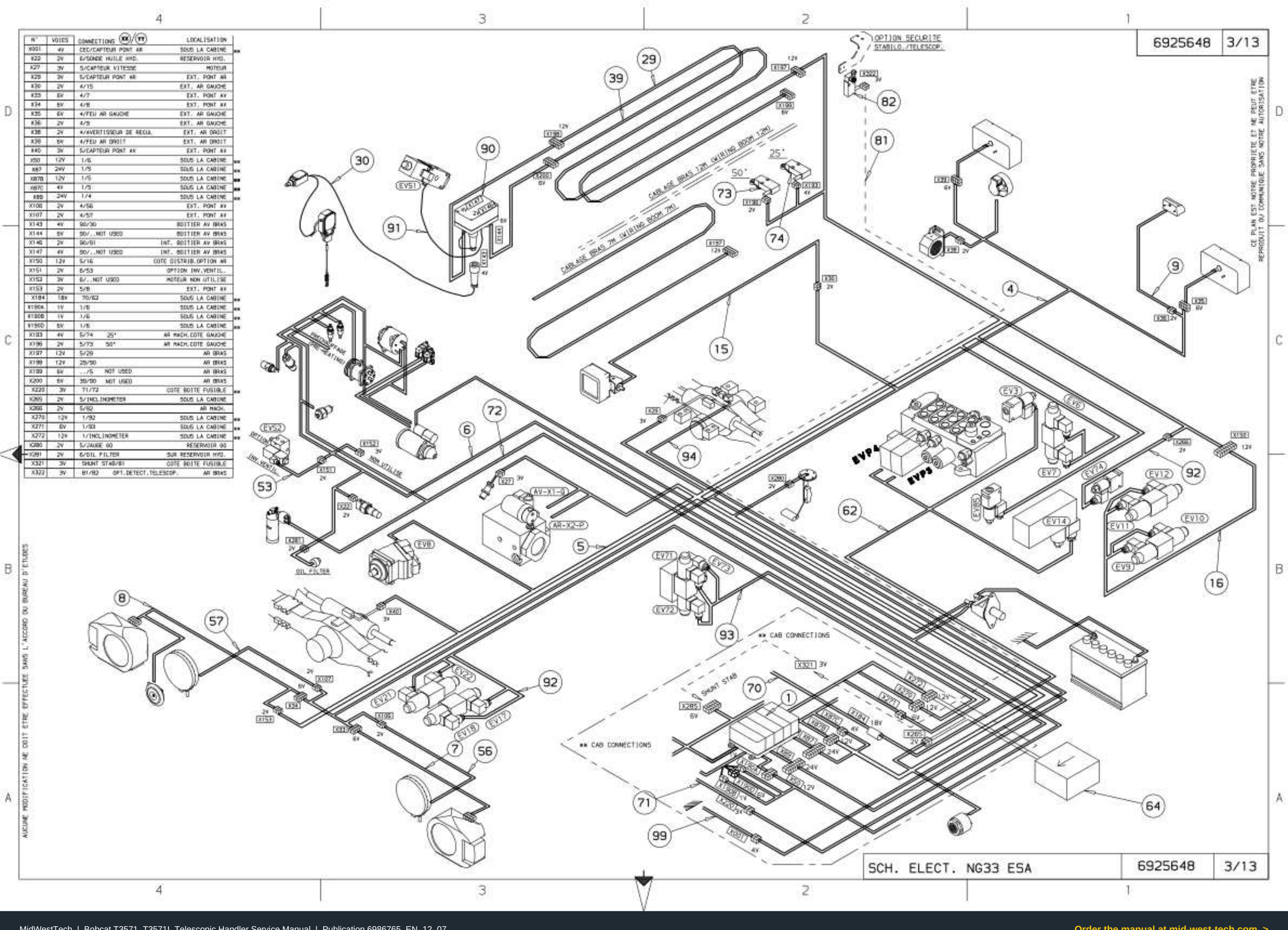
Check the oil clearance of the bearings.

All Main Bearings	0.0022 - 0.0046 inch (0,057 - 0,117 mm)

Thrust Washer Thickness	
Standard	0.089 - 0.091 inch (2,26 - 2,31 mm)
Oversize	0.096 - 0.098 inch (2,45 - 2,50 mm)

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N°	VOIES	CONNECTIONS (XX)/(YY)	LOCALISATION	
X001	4V	CEC/CAPTEUR PONT AR	SOUS LA CABINE	**
X22	2V	6/SONDE HUILE HYD.	RESERVOIR HYD.	
X27	3V	5/CAPTEUR VITESSE	MOTEUR	
X29	3V	5/CAPTEUR PONT AR	EXT. PONT AR	
X30	2V	4/15	EXT. AR GAUCHE	
X33	6V	4/7	EXT. PONT AV	
X34	6V	4/8	EXT. PONT AV	
X35	6V	4/FEU AR GAUCHE	EXT. AR GAUCHE	
X36	2V	4/9	EXT. AR GAUCHE	
X38	2V	4/AVERTISSEUR DE RECUL.	EXT. AR DROIT	
X39	6V	4/FEU AR DROIT	EXT. AR DROIT	
X40	3V	5/CAPTEUR PONT AV	EXT. PONT AV	
X50	12V	1/6	SOUS LA CABINE	**
X63	24V	1/5	SOUS LA CABINE	**
X87B	12V	1/5	SOUS LA CABINE	**
X87C	4V	1/5	SOUS LA CABINE	**
X88	24V	1/4	SOUS LA CABINE	**
X106	2V	4/56	EXT. PONT AV	
X107	2V	4/57	EXT. PONT AV	
X143	4V	90/30	BOITIER AV BRAS	
X144	6V	90/..NOT USED	BOITIER AV BRAS	
X145	2V	90/91	INT. BOITIER AV BRAS	
X147	4V	90/..NOT USED	INT. BOITIER AV BRAS	
X150	12V	6/16	COTE DISTRIB.OPTION AR	
X151	2V	6/53	OPTION INV.VENTIL.	
X152	3V	6/..NOT USED	MOTEUR NON UTILISE	
X153	2V	5/8	EXT. PONT AV	
X184	18V	70/62	SOUS LA CABINE	**
X190A	1V	1/8	SOUS LA CABINE	**
X190B	1V	1/6	SOUS LA CABINE	**
X190D	5V	1/6	SOUS LA CABINE	**
X193	4V	5/74 25°	AR MACH.COTE GAUCHE	
X196	2V	5/73 50°	AR MACH.COTE GAUCHE	
X197	12V	5/28	AR BRAS	
X198	12V	25/90	AR BRAS	
X199	6V	.../5 NOT USED	AR BRAS	
X200	6V	35/90 NOT USED	AR BRAS	
X220	3V	71/72	COTE BOITE FUSIBLE	**
X265	2V	5/INCLINOMETER	SOUS LA CABINE	
X266	2V	5/62	AR MACH.	
X270	12V	1/92	SOUS LA CABINE	**
X271	6V	1/93	SOUS LA CABINE	**
X272	12V	1/INCLINOMETER	SOUS LA CABINE	**
X280	2V	5/JAUGE 60	RESERVOIR 60	
X281	2V	6/OIL FILTER	SUR RESERVOIR HYD.	
X321	3V	SHUNT STAB/81	COTE BOITE FUSIBLE	
X322	3V	81/82 OPT.DETECT.TELESCOP.	AR BRAS	



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