

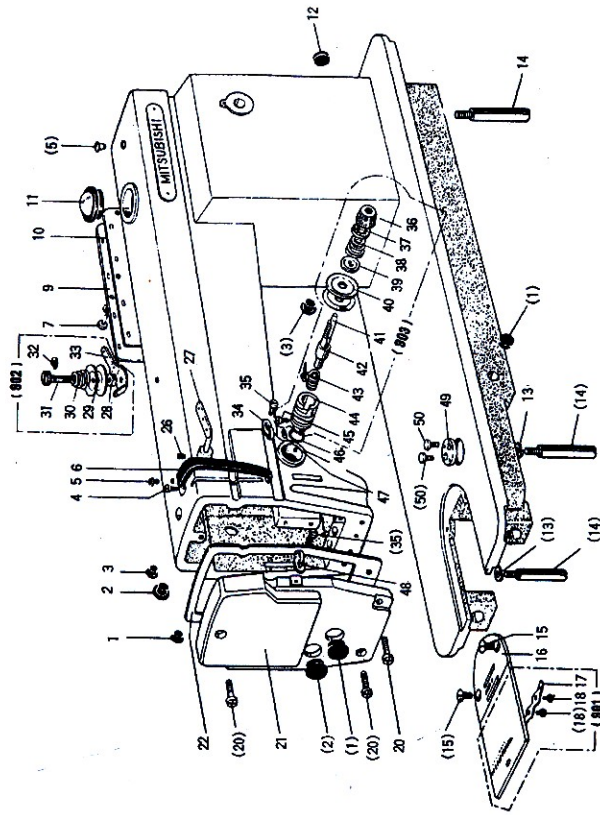
MITSUBISHI

三菱工業用ミシン部品カタログ

Industrial Sewing Machine Parts Catalog

Model LS2-1130

本体関係
ARM BED & IT'S ACCESSORIES



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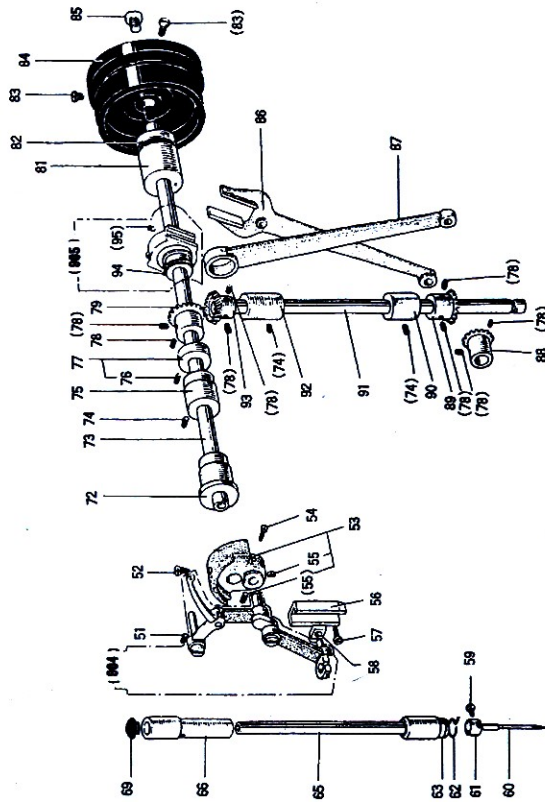
④ 本体関係

ARM, BED & IT'S ACCESSORIES

⑤ 縫い機構(I)

SEWING MECHANISM (I)

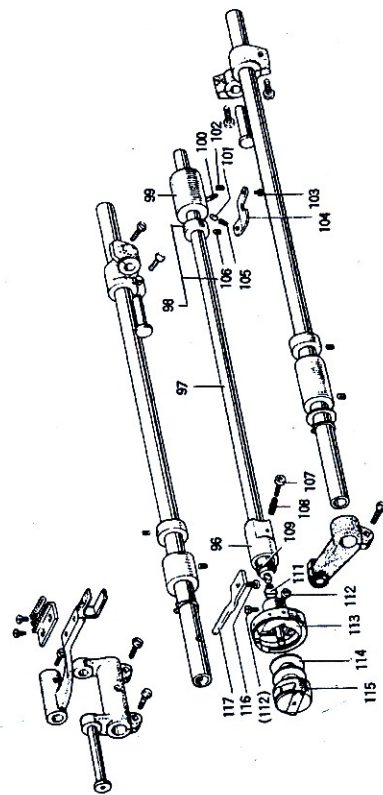
Fig. 数量 No. Mod.	部品名 Parts No.	Description	使用量数 Ant. Req. 個 数
A1	M8112080	3 3	Rubber plug (φ11.8)
A2	M81900080	2 2	Rubber plug (φ19.0)
A3	M80883080	2 2	Rubber plug (φ8.8)
A4	M91106004	1 1	Screw 11/64 (40) X8
A5	M90573080	2 2	Rubber plug (φ5.7)
A6	M836A0584	1 1	Thread take-up cover
A7	M803A0584	1 1	Thread take-up cover
A8	M91106004	8 8	Screw 11/64 (40) X8
A9	M830A0880	1 1	Arm side cover
A10	M805A0691	1 1	Gasket
A11	M820A0135	1 1	Oil check window
A12	M92701080	1 1	Rubber plug (φ27.0)
A13	M90625053	2 2	Spring washer for leg 6
A14	M830A0426	3 3	Leg
A15	M81106011	2 2	Screw 11/64 (40) X8
A16	M81106010	1 1	Needle plate (B1.8)
A17	M8280101	1 1	Needle plate (B2.8)
A18	M810A0471	1 1	Spring for slide plate
A19	M90613002	2 2	Screw 3/32 (56) X2.2
A20	M91111004	3 3	Screw 11/64 (40) X10
A21	M801A0830	1 1	Face plate
A22	M801A1691	1 1	Gasket for face plate
A23	M91108001	1 1	Set screw 11/64 (40) X5.5
A24	M810A0180	1 1	Threshold thread guide
A25	M830A0476	1 1	Spacer for pre-tension
A26	M810A1555	2 2	Tension discs for pre-tension
A27	M820A0245	1 1	Tension spring for pre-tension
A28	M81104016	1 1	Screw type tension stud 11/64 (40) X16
A29	M90512065	1 1	E-type stop ring 3
A30	M80A0180	1 1	Thread guide for pre-tension
A31	M80A0181	1 1	Thread guide
A32	M80A0181	1 1	Thread guide
A33	M80A0181	1 1	Thread guide
A34	M80A0181	1 1	Thread guide
A35	M80A0181	1 1	Thread guide
A36	M80A0181	2 2	Screw 9/64 (40) X6
A37	M80A0802	1 1	Thumb nut
A38	M80A0802	1 1	Thumb nut revolution stopper
A39	M80A0245	1 1	Thread tension spring
A40	M80A0245	1 1	Thread tension spring
A41	M80A0555	2 2	Thread tension releasing discs
A42	M80A0555	2 2	Thread tension discs
A43	M80A0555	1 1	Thread tension releasing pin
A44	M80A0553	1 1	Thread tension stud
A45	M80A0187	1 1	Thread take-up spring
A46	M80A0187	1 1	Thread take-up spring
A47	M80A0187	1 1	Thread take-up spring
A48	M80A0187	1 1	Thread take-up spring
A49	M80A0187	1 1	Thread take-up spring
A50	M80A0187	1 1	Thread take-up spring
A51	M80A0187	1 1	Thread take-up spring
A52	M80A0187	1 1	Thread take-up spring
A53	M80A0187	1 1	Thread take-up spring
A54	M80A0187	1 1	Thread take-up spring
A55	M80A0187	1 1	Thread take-up spring
A56	M80A0187	1 1	Thread take-up spring
A57	M80A0187	1 1	Thread take-up spring
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A60	M80A0187	1 1	Thread take-up spring
A61	M80A0187	1 1	Thread take-up spring
A62	M80A0187	1 1	Thread take-up spring
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A64	M80A0187	1 1	Thread take-up spring
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A70	M80A0187	1 1	Thread take-up spring
A71	M80A0187	1 1	Thread take-up spring
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A73	M80A0187	1 1	Thread take-up spring
A74	M80A0187	1 1	Thread take-up spring
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A76	M80A0187	1 1	Thread take-up spring
A77	M80A0187	1 1	Thread take-up spring
A78	M80A0187	1 1	Thread take-up spring
A79	M80A0187	1 1	Thread take-up spring
A80	M80A0187	1 1	Thread take-up spring
A81	M80A0187	1 1	Thread take-up spring
A82	M80A0187	1 1	Thread take-up spring
A83	M80A0187	1 1	Thread take-up spring
A84	M80A0187	1 1	Thread take-up spring
A85	M80A0187	1 1	Thread take-up spring
A86	M80A0187	1 1	Thread take-up spring
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A88	M80A0187	1 1	Thread take-up spring
A89	M80A0187	1 1	Thread take-up spring
A90	M80A0187	1 1	Thread take-up spring
A91	M80A0187	1 1	Thread take-up spring
A92	M80A0187	1 1	Thread take-up spring
A93	M80A0187	1 1	Thread take-up spring
A94	M80A0187	1 1	Thread take-up spring
A95	M80A0187	1 1	Thread take-up spring
A96	M80A0187	1 1	Thread take-up spring
A97	M80A0187	1 1	Thread take-up spring
A98	M80A0187	1 1	Thread take-up spring
A99	M80A0187	1 1	Thread take-up spring
A100	M80A0187	1 1	Thread take-up spring



縫い機構(I)

SEWING MECHANISM (I)

Fig. 要部 部品コード No. Mod. Parts No.	部品名	Description	使用個数 Ant. Req.
B51	M91513001	Set screw 15/64(28)X10.....	1
B52	M91802006	Screw 9/32(28)X14.....	1
B53	MF80E0383	Crank.....	1
B54	M91801002	Set screw 9/32(28)X13.....	1
B55	M91606001	Set screw 1/4(40)X6.....	2
B56	MF80A0662	Needlebar connecting link guide.....	1
B57	M91110002	Screw 11/64(40)X8.....	2
B58	MF30A0325	Square block.....	1
B59	M90815002	Screw 1/8(44)X4.5.....	1
B60	MF70A0128	Needle set DBX1 #14.....	1
B61	MF83A0128	Needle set DBX1 #22.....	1
B62	MF80A1181	Thread guide.....	1
B63	MF05A0181	Thread guide.....	1
B64	MF01A0181	Thread guide.....	1
B65	MF10A0664	Needle bar bushing(lower).....	1
B66	MF17R0564	Needle bar bushing(lower).....	1
B67	MF20A0660	Needle bar.....	1
B68	MF82A0660	Needle bar.....	1
B69	MF83A0660	Needle bar.....	1
B70	MF70A0663	Needle bar bushing(upper).....	1
B71	MF908A0680	Rubber plug(φ8.8).....	1
B72	MF80A0232	Bushing for arm shaft(left).....	1
B73	MF85A0230	Arm shaft.....	3
B74	M91513001	Set screw 15/64(28)X10.....	3
B75	MF05A0234	Bushing for arm shaft(middle).....	2
B76	M91602001	Set screw 1/4(40)X4.....	2
B77	MF80A0352	Collar.....	1
B78	M91632001	Set screw 1/4(40)X7.....	1
B79	MF40A0331	Bevel gear for arm shaft.....	8
B80	MF01A0233	Bushing for arm shaft(right).....	1
B81	M91472086	Oil seal for arm shaft(right).....	1
B82	MF1502002	Set screw 15/64(28)X12.....	2
B83	MF30A0682	Pulley.....	2
B84	M92201003	Screw 11/32(28)X10.....	1
B85	MF30A0744	Feed forked connecting rod.....	1
B86	MF31A0744	Feed forked connecting rod.....	1
B87	MF70A0384	Crank rod.....	1
B88	MF40A0332	Bevel gear for hook shaft.....	1
B89	MF70A0334	Bevel gear for vertical shaft(lower).....	1
B90	MF70A0522	Bushing for vertical shaft(lower).....	1
B91	MF7480522	Bushing for vertical shaft(lower).....	1
B92	MF30A0520	Vertical shaft.....	1
B93	MF00A0521	Bushing for vertical shaft(upper).....	1
B94	MF40A0333	Bevel gear for vertical shaft(upper).....	1
B95	M90320085	C-type stop ling 20.....	2
B96	M91506001	Set screw 15/64(28)X7.....	2
B97	MF80E0580	Thread take-up lever complete.....	1
B98	MF82E0580	Thread take-up lever complete.....	1
B99	MF83E0580	Thread take-up lever complete.....	1
B995	MF30E0280	Feed cam complete.....	1



縫い機構(II)

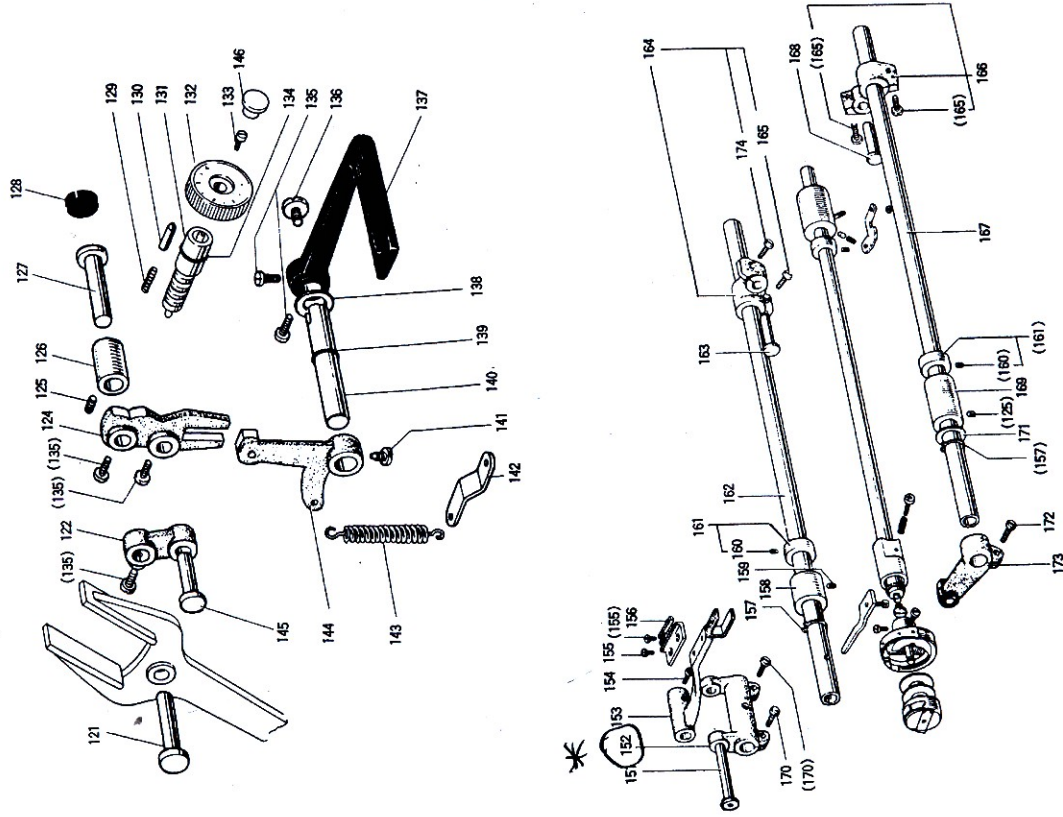
SEWING MECHANISM (II)

縫い機構(II)

SEWING MECHANISM (II)

Fig. 型番	部品名	Description	使用量数 Amt. Req.
No. Mod. Parts No.			
C96	MF30A0451	シジカクサリ	1
C97	MF30A0450	Rotating hook shaft	1
C98	MF32A0450	Rotating hook shaft	1
C99	MF30A0352	Collar	1
C100	MF30A0452	Bushing for hook shaft(right)	1
C101	MF30A0688	Pin	1
C102	MF30A0753	Plunger	1
C103	MF31513001	Set screw 15/64(28)X10	1
C104	MF31515002	Screw 15/64(28)X10	1
C105	MF30A0154	Guide plate	1
C106	MF32A0154	Guide plate	1
C107	MF00A0572	Spring	2
C108	MF1503901	Set screw 15/64(28)X4.5	2
C109	MF07084030	Oil adjusting screw	1
C110	MF30A1572	Spring	1
C111	MF0803086	Oil seal	1
C112	MF1259030	Special screw	1
C113	MF16A0120	Set screw 11/64(40)X4	2
C114	MF42A0120	Rotating hook	1
C115	MF25B0120	Rotating hook	1
C116	MF10A0123	Bobbin	1
C117	MF30A0125	Bobbin	1
C118	MF25E1125	Bobbin case	1
C119	MF3118002	Screw 11/64(40)X10	1
C120	MF30A0229	Rotating hook positioner	1
C121	MF17B0229	Rotating hook positioner	1
C122	MF20A0229	Rotating hook positioner	1

送り機構
FEED MECHANISM



[E] 押元機構

PRESSER FOOT MECHANISM

This diagram shows an exploded perspective view of a mechanical assembly. The components are labeled with reference numerals: 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 192, 193, 194, 196, 197, 198, 199, 200, 201, 202, 203, and 205. The assembly includes a long horizontal shaft (176) with a handle (180) at one end and a bracket (178) at the other. A spring (182) is attached to the bracket. A vertical shaft (198) is connected to the horizontal shaft via a coupling (199). The vertical shaft has a handle (189) and a foot (190). Various other components, including a spring (202), a pin (201), and a bracket (187), are shown in their relative positions.

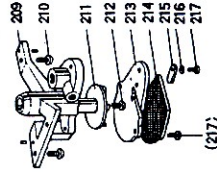
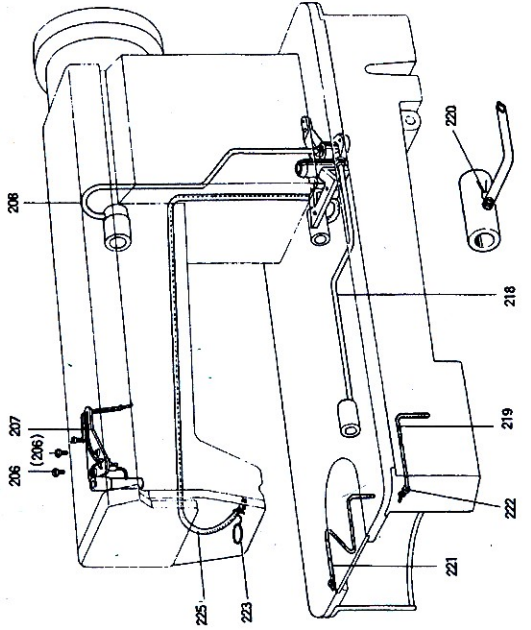
□ 押え機構

PRESSER FOOT MECHANISM

Fig. 概要 部品名 No. Mod. Parts No.	部品名 Description	使用個数 Amt. Req. 個	図
E176	MF30A0738 上軸	1	1
E177	M91219015 铰链螺钉 3/16(28)X7	2	2
E178	M91503031 螺栓 用于膝盖抬起杆	1	1
E179	MF30A0252 膝盖抬起杆(右侧)	1	1
E180	MF70A0511 膝盖抬起杆(左侧)	1	1
E181	M95003067 膝盖抬起杆连接杆	1	1
E182	MF30A0572 销(BX-Type) (φ5X24)	1	1
E183	M90419060 膝盖抬起杆弹簧	1	1
E184	M91515022 螺栓 15/64(28)X13.5	1	1
E185	MF70A0350 张力释放凸轮	1	1
E186	MF70A0250 膝盖抬起杆(左侧)	1	1
E187	M930A0216 螺纹导引	1	1
E188	M91106004 螺钉 11/64(40)X8	1	1
E189	MF10A0105 压脚	1	1
E190	MF1280105 压脚	1	1
E191	M90939002 螺钉 9/64(40)X11	1	1
E192	MF10A0267 衬套 用于压脚	1	1
E193	MF1100262 压脚	1	1
E194	MF30A0253 压脚杆	1	1
E196	MF00A0252 压脚杆升降凸轮	1	1
E197	MF00A0252 压脚杆升降	1	1
E198	M91108001 螺钉 11/64(40)X5.5	1	1
E199	MF30A0265 压脚杆升降支架	1	1
E200	MF10A0259 压脚弹簧	1	1
E201	MF1280259 螺钉 11/64(40)X6.5	1	1
E202	MF30A0703 压脚杆导引	1	1
E203	M93220035 拇指螺钉 1/2(28)X63	1	1
E204	M90400085 O 形环 (1AP4)	1	1
E205	M93202047 螺母	1	1

□ 給油機構

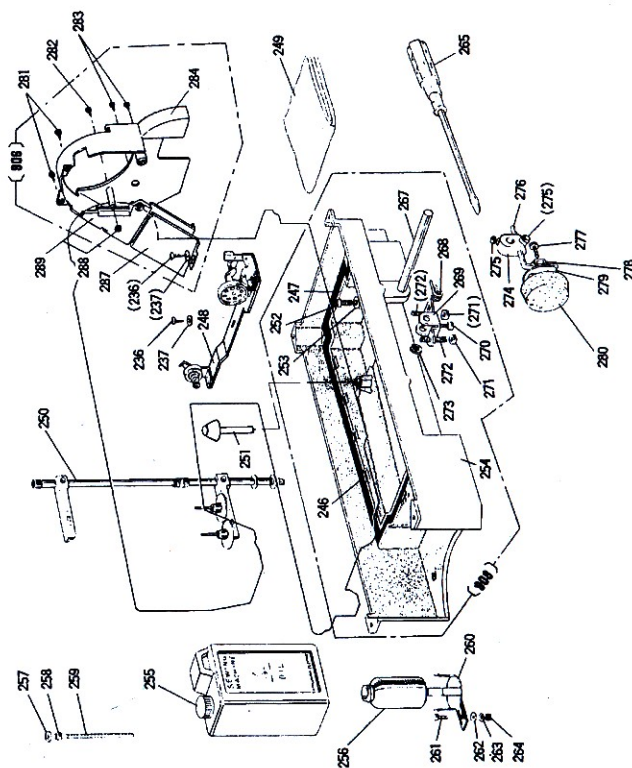
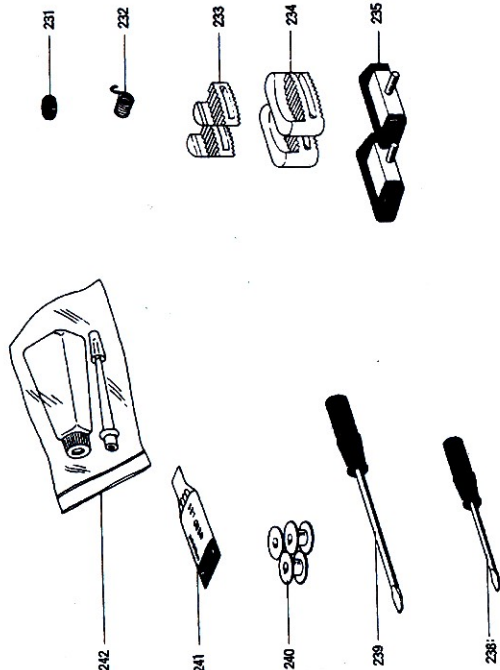
LUBRICATION MECHANISM

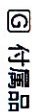


LUBRICATION MECHANISM

File. 部品 No.	Mod. Parts No.	部品名	Description	使用量数 Part Req. Qty	図 No.
F206	M90939002	ビス	Screw 9/64(40)X11	2	2
F207	M30C0601	オイルブライトフィッティングプレート	Oil braid fitting plate	1	—
F208	M31E0601	オイルブライトフィッティングプレート	Oil braid fitting plate	1	1
F209	M30A1688	オイルパイプ用アーム	Oil pipe for arm shaft	1	1
F210	M30A0783	オイルポンプ	Oil pump	1	1
F211	M91135002	ビス	Screw 11/64(40)X13	3	3
F212	M910A0685	オイルポンプインペラー	Oil pump impeller	1	1
F213	M90810002	ビス	Screw 1/8(44)X6.5	1	1
F214	M30A1601	オイルポンプフィッティングプレート	Oil pump fitting plate	1	1
F215	M30C0337	オイルポンプスクリーン	Oil pump screen	1	1
F216	M30A0742	オイル調整プレート	Oil adjusting plate	1	1
F217	M90307053	スプリングワッシャー M3.5	Spring washer M3.5	1	1
F218	M90820002	ビス	Screw 1/8(44)X13	3	3
F219	M30C0688	オイルパイプ用フックシャフト	Oil pipe for hook shaft	1	1
F220	M10E2148	ホルダー (φ2.5X240)	Holder (φ2.5X240)	1	1
F221	M30A0378	オイルブライトフィッティングプレート	Oil braid fitting plate	1	1
F222	M10E2148	ホルダー (φ2.5X330)	Holder (φ2.5X330)	1	1
F223	M70A3731	パイプ	Pipe	1	1
F224	M70A3731	ホルダー	Holder	1	1
F225	M00A2780	オイルリターンパイプ	Oil return pipe	1	1

G 付属品
ACCESSORIES





付属品

ACCESSORIES

File No.	変更 Mod.	部品名 Parts. No.	部品名 Description	使用個数 Amt. Req.
6231		M90701099	OP-S 3/4"	1
6232		M910A0187	4130 3	1
6232		M912B0187	4130 3	1
6233		M901A1419	4130 3	2
6234		M901A0419	4130 3	2
6235		M902A0418	4130 3	2
6236		M904A0141	4130 3	2
6237		M905A0050	4130 3	4
6238		M902A1608	4130 3	4
6239		M902A0608	4130 3	4
6240		M910A0123	4130 3	1
6241		M925B0123	4130 3	3
6241		M930E0128	4130 3	1
6242		M931E0128	4130 3	1
6246		M960A0137	4130 3	1
6247		M920A0691	4130 3	1
6248		M920E0190	4130 3	1
6248		M960E0190	4130 3	1
6249		M960A0734	4130 3	1
6250		M940E0193	4130 3	1
6251		M930A0578	4130 3	1
6252		M92002002	4130 3	1
6253		M92001052	4130 3	1
6254		M930A0139	4130 3	1
6254		M932A0139	4130 3	1
6255		M910E0149	4130 3	1
6256		M920A0130	4130 3	1
6257		M910A0691	4130 3	1
6258		M92001047	4130 3	1
6259		M936A0731	4130 3	1
6260		M920A0131	4130 3	1
6261		M91551022	4130 3	1
6262		M90702050	4130 3	1
6263		M90601053	4130 3	1
6264		M91573045	4130 3	1
6265		M90A0608	4130 3	1
6267		M930A0723	4130 3	1
6268		M920A1729	4130 3	1
6269		M920A1724	4130 3	1
6270		M91502002	4130 3	1
6271		M91501045	4130 3	1
6272		M91520001	4130 3	2
6273		M90521065	4130 3	2
6274		M940A0784	4130 3	2
6275		M92001031	4130 3	1
6276		M901A0728	4130 3	2
6277		M91510022	4130 3	1
6278		M930A0477	4130 3	1
6279		M940A0737	4130 3	1
6280		M940A1737	4130 3	1
6281		M9110B004	4130 3	1
6282		M91072004	4130 3	2
6283		M91506004	4130 3	2
6284		M910A0776	4130 3	1
6287		M910A1776	4130 3	1
6288		M91006045	4130 3	1
6289		M930A0776	4130 3	1
6906		M901E0776	4130 3	1
6906		M930E0139	4130 3	1
6908		M932E0139	4130 3	1