

MSG20



Seat photos (including accessories shown) are not to be used as an exact replica of what you may expect when purchasing a Grammer seat but to only provide an idea on the general aesthetics of the seat.

Seat Part Number Reference:

Tech PN	Multi/Box Pkg PN	1/box Pkg PN
134015	1091698	1254616
1E+06	1298821	N/A
134016	142423	1254617
1E+06	1298820	N/A
135671	142440	N/A



SEAT CUSHIONS:

PN 134459 CUSHION KIT, SEAT, BLK VINYL
 PN 134503 CUSHION KIT, SEAT, BLK CLOTH
 PN 135844 (high back) CUSHION KIT, SEAT, BLK VINYL
 PN 1348181 CUSHION KIT,SEAT,BLK/GY MTX CTH

BACK CUSHIONS:

PN 134479 CUSHION KIT, BACK, BLK VINYL
 PN 134504 CUSHION KIT, BACK, BLK CLOTH
 PN 135845 (high back) CUSHION KIT, BACK, BLK VINYL
 PN 1348180 CUSHION KIT,BACK,BLK/GY MTX CTH

ARMRESTS:

PN 132948 ARMREST ASSY,F2,LH
 PN 132949 ARMREST ASSY,F2,RH

SEATBELTS:

PN 902173 SEATBELT KIT,STATIC
 PN 902131 SEATBELT KIT,RETRACTABLE
 PN 133018 SEATBELT KIT,RETRACTABLE - includes bracket for initial installation

ADDITIONAL OPTIONS:

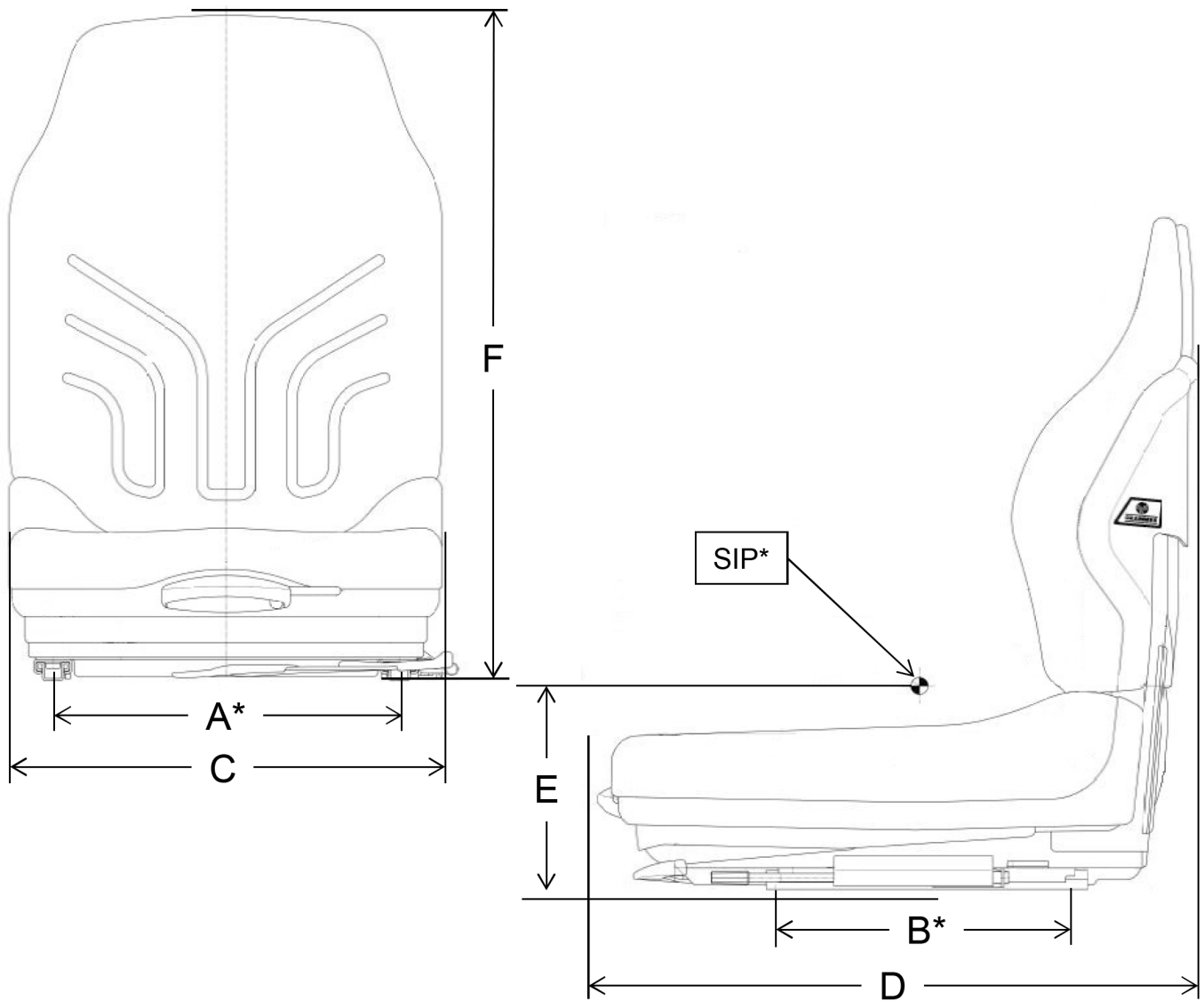
PN 133017 LITERATURE BOX KIT
 PN 134764 OPS SWITCH KIT,MSG20 ***must purchase installation kit for initial installation of OPS**
 PN 1077476 INSTALLATION KIT for MSG20 OPS ***must buy for initial installation of OPS**

SERVICE KITS:

PN 133124 SCREW KIT,MSG20
 PN 133617 COVER KIT,SUSPENSION
 PN 134481 Plate,BackrestKit,MSG (New Style)
 PN 133177 Repair Kit
 PN 134140 Pan,Seat,MSG 10,12,20 (new revision 2004)
 PN 133114 Wear Parts Kit,MSG
 PN 133176 Repair Kit,MSG20 (Plastic Skirt)
 PN 133122 DWA.Adjustment Lever MSG20
 PN 133119 SHOCK ABSORBER KIT - MSG20
 PN 133125 Handle Kit Weight Adjustment
 PN 133111 Bracket,Link Kit
 PN 132985 Slide Track Kit,MSG 10,12,20
 PN 132984 Adjustment Slide Rail Kit,MSG 10,12,20
 PN 141196 SLIDE RAIL KIT MSG20
 PN 133756 Slide Bar/Rail Kit



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*SIP (Seat Index Point): estimated center of hip of user
 *A/B: mounting dimensions (hole center to center)

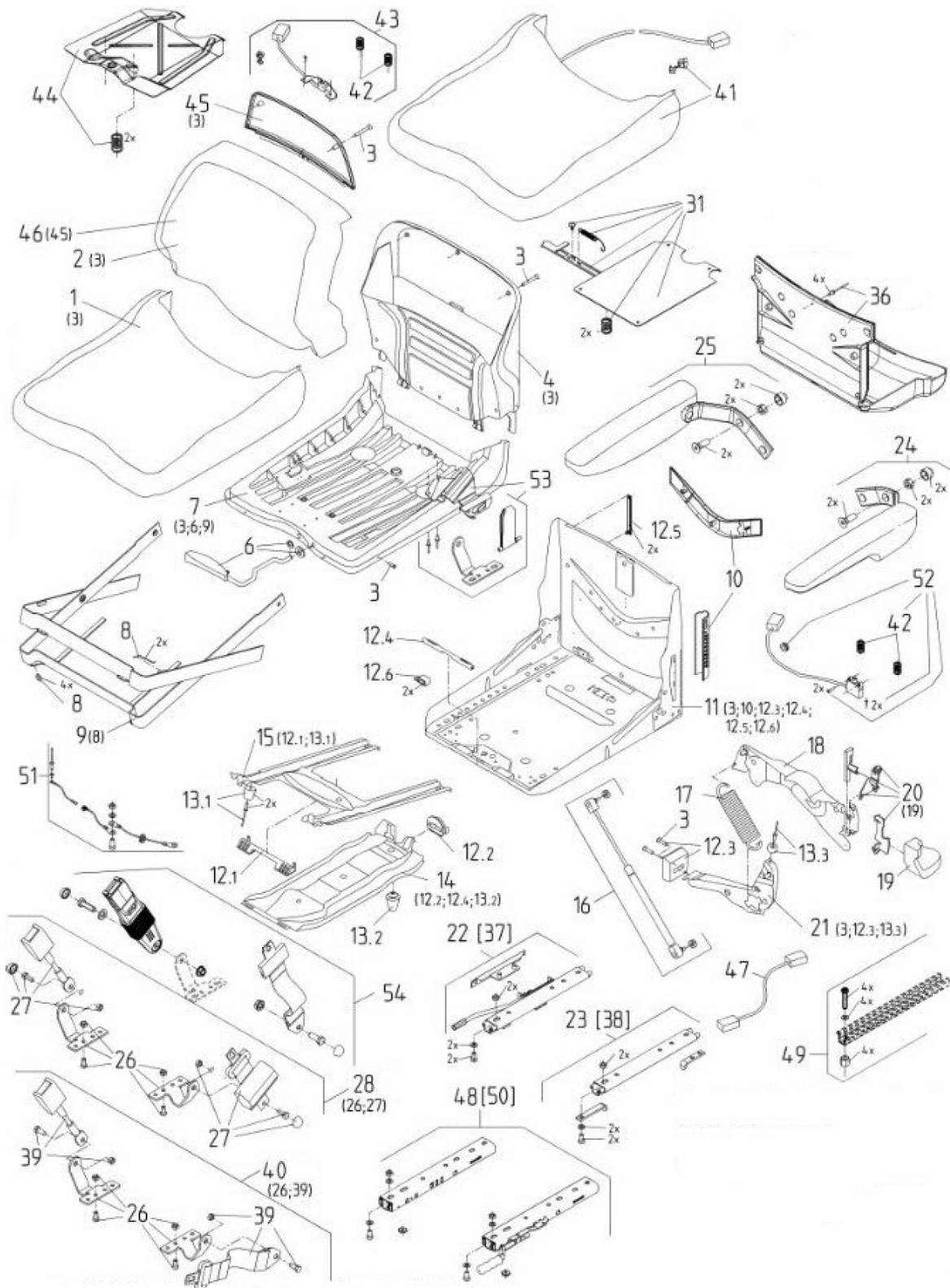
Pkg PN	A (mm/in)	B (mm)*	C (mm/in)	D (mm/in)	E (mm/in)	F (mm/in)
1091698	328/12.91	*(1)	470/18.50	550/21.65	195/7.68	510/20.09
1254616	328/12.91	*(1)	470/18.50	550/21.65	195/7.68	510/20.09
142423	328/12.91	*(1)	470/18.50	550/21.65	195/7.68	510/20.09
1254617	328/12.91	*(1)	470/18.50	550/21.65	195/7.68	510/20.09
142440	328/12.91	*(2)	410/16.14	550/21.65	190/7.48	630/24.80
1254618	328/12.91	*(2)	410/16.14	550/21.65	190/7.48	630/24.80

*(1) B alternatives: 220(+/-1.3); 250(+/-1.3); 280(+/-1.3);
 *(2) B alternatives: 216-231; 243.6-260.4; 275-283.4;

MSG20 Spare Parts Drawing

Tech PN: 134016 / 134015

Package PN: 142423 / 1091698



MSG20 Spare Parts List

Tech PN: 134016
Package PN: 142423

#	Part #	Description	Order Qty
1	134459	CUSHION KIT,SEAT,BLK	1
2	134479	CUSHION KIT,BACK,BLK	1
3	133124	SCREW KIT,MSG20	3
4	134481	BACKREST KIT,MSG12,	1
6	133603	ADJUSTMENT LEVER KIT	1
7	134140	Pan,Seat,MSG 10,12,2	1
8	133176	Repair Kit,MSG20 (PI	1
9	133617	COVER KIT,SUSPENSION	1
10	133177	Repair Kit	1
11	133809	Frame,Seat	1
12	133114	Wear Parts Kit,MSG12	1
13	133116	Bumper Kit,MSG20	1
14	133117	INNER SWING ARM KIT	1
15	133618	OUTER SWING ARM KIT	1
16	133119	SHOCK ABSORBER KIT -	1
17	132596	TENSION SPRING,BLK,M	1
18	133122	DWA.Adjustment Lever	1
19	132112	Handle grip weight a	1
20	133125	Handle Kit Weight Ad	1
21	133126	Lever Weight Adj.Mec	1
24	132948	ARMREST ASSY,F2,LH	1
25	132949	ARMREST ASSY,F2,RH	1
26	133111	Bracket,Link Kit	1
27	902131	SEATBELT KIT,RETRACT	1
28	133018	SEATBELT KIT,RETRACT	1
36	133017	LITERATURE BOX KIT	1
37	132984	Adjustment Slide Rai	1
38	132985	Slide Track Kit,MSG	1
39	902173	SEATBELT KIT,STATIC	1
40	133336	Seat Belt	1
43	138858	COMPRESSION SPRING	2

MSG20 Spare Parts List

Tech PN: 134015

Package PN: 1091698

# Part # Description	Order Qty
1 134503 CUSHION KIT,SEAT,BLK	1
2 134504 CUSHION KIT,BACK,BLK	1
3 133124 SCREW KIT,MSG20	3
4 134481 BACKREST KIT,MSG12,	1
6 133603 ADJUSTMENT LEVER KIT	1
7 134140 Pan,Seat,MSG 10,12,2	1
8 133176 Repair Kit,MSG20 (PI	1
9 133617 COVER KIT,SUSPENSION	1
10 133177 Repair Kit	1
11 133809 Frame,Seat	1
12 133114 Wear Parts Kit,MSG12	1
13 133116 Bumper Kit,MSG20	1
14 133117 INNER SWING ARM KIT	1
15 133618 OUTER SWING ARM KIT	1
16 133119 SHOCK ABSORBER KIT -	1
17 132596 TENSION SPRING,BLK,M	1
18 133122 DWA.Adjustment Lever	1
19 132112 Handle grip weight a	1
20 133125 Handle Kit Weight Ad	1
21 133126 Lever Weight Adj.Mec	1
24 132948 ARMREST ASSY,F2,LH	1
25 132949 ARMREST ASSY,F2,RH	1
26 133111 Bracket,Link Kit	1
27 902131 SEATBELT KIT,RETRACT	1
28 133018 SEATBELT KIT,RETRACT	1
36 133017 LITERATURE BOX KIT	1
37 132984 Adjustment Slide Rai	1
38 132985 Slide Track Kit,MSG	1
39 902173 SEATBELT KIT,STATIC	1
40 133336 Seat Belt	1
43 138858 COMPRESSION SPRING	2

Tech PN: 135671
Package PN: 1424

This exploded view diagram illustrates the assembly of a mechanical component, likely a seat or chair. The parts are numbered and their quantities are indicated in parentheses. The main components include:

- Seat Backrest (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100):** The main structural frame, including the backrest and seat base.
- Seat Cushion (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100):** The main seating surface.
- Armrests (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100):** The side supports for the seat.
- Base and Casters (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100):** The bottom structure and wheels for mobility.
- Adjustment Mechanisms (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100):** Components for adjusting the seat height and backrest angle.

The diagram shows the assembly sequence and the relative positions of the parts. The quantities in parentheses indicate the number of each part required for the assembly.



GRAMMER

MSG20 Spare Parts List

Tech PN: 135671

Package PN: 142440

#	Part #	Description	Order Qty
1	135844	CUSHION KIT,SEAT,BLK	1
2	135845	CUSHION KIT,BACK,BLK	1
3	134480	Fixing Kit MSG 20	4
4	134481	BACKREST KIT,MSG12,	1
6	133603	ADJUSTMENT LEVER KIT	1
7	134140	Pan,Seat,MSG 10,12,2	1
8	133176	Repair Kit,MSG20 (PI	1
9	133617	COVER KIT,SUSPENSION	1
10	132558	Armrest Cover Plate	1
11	134484	Frame,Seat Kit,MSG20	1
12	133114	Wear Parts Kit,MSG12	1
13	133116	Bumper Kit,MSG20	1
14	133117	INNER SWING ARM KIT	1
15	133618	OUTER SWING ARM KIT	1
16	133119	SHOCK ABSORBER KIT -	1
17	132596	TENSION SPRING,BLK,M	1
18	133122	DWA.Adjustment Lever	1
19	134485	Weight Adj.Bracket	1
20	133126	Lever Weight Adj.Mec	1
21	141195	Adj. Rail Kit,MSG20	1
22	141196	SLIDE RAIL KIT,GS12,	1
25	134525	ADJUSTMENT LEVER	1
26	134526	LINKAGE KIT	1
27	134527	Backrest Exten. Plas	1
36	136055	Weight adj. handle	1