

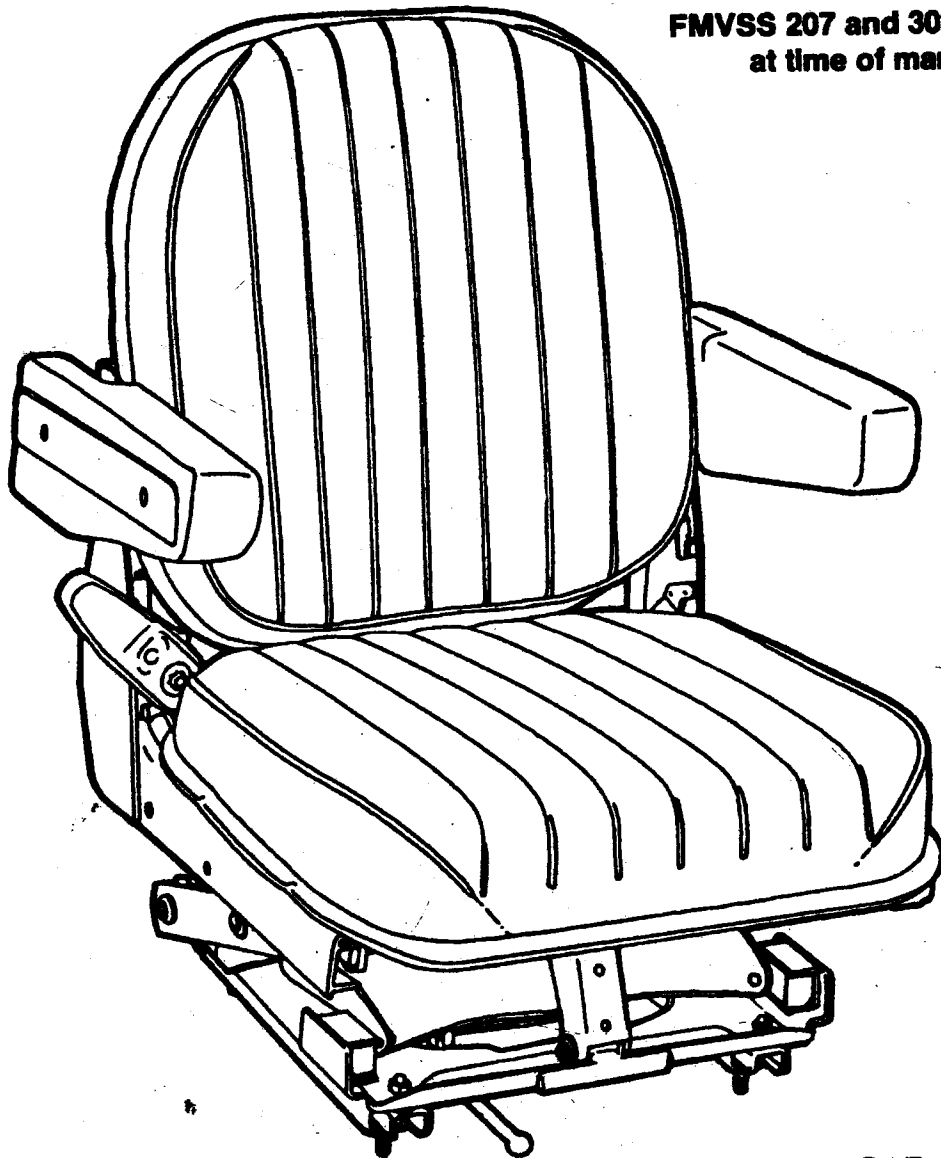
Bostrom[®]

S E A T I N G

VIKING T-BAR[®]

OPERATION AND SERVICE PARTS MANUAL

**This seat conforms to
FMVSS 207 and 302 in effect
at time of manufacture.**



**Seat Shown with
Optional Armrests**

**CATALOG NO.
0112489-001**

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REV B - 7/96**

OPERATION WARNING

WARNING

SERIOUS INJURY MAY OCCUR IF HEAD CLEARANCE IS NOT ADEQUATE. BEFORE DRIVING OR RIDING IN VEHICLE, ENSURE THAT THERE IS ADEQUATE HEAD CLEARANCE AT MAXIMUM UPWARD TRAVEL OF SEAT. SEE OPERATION MANUAL.

To check for adequate head clearance, sit in the seat and slowly raise it to its maximum upward position by moving the ratchet lever upward (see Comfort Adjustments).

Seat belts should be worn at all times when operating the vehicle.

Federal Motor Vehicle Safety Standard

This seat conforms to Federal Motor Vehicle Safety Standards (FMVSS) 207 and 302 in effect on the date of manufacture.

It is the responsibility of the installer to ensure that proper seat fastening hardware and seat belt anchorages (seat belt and tether belt system) are used in accordance with FMVSS 209 and 210.

To achieve compliance with FMVSS 207, use only high strength fasteners and heavy duty washers when installing seat assembly.

Bostrom®
S E A T I N G

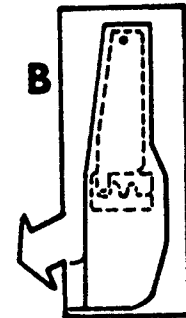
Vigo Road
P. O. Box 566
Piedmont, Alabama 36272
(256) 447-9051

Comfort Adjustments

Note: Read operating instructions carefully after installing seat. Proper weight adjustment is essential for a good ride. Seat adjustments should be made to insure seating comfort.

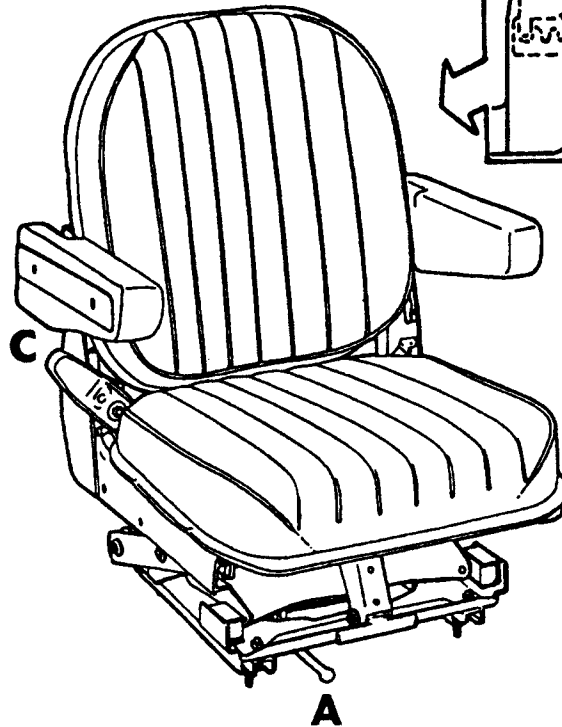
FORE AND AFT SEAT ADJUSTMENT (A)

Seat assembly moves forward or rearward for four (4) inches of total adjustment along ball bearing slides to suit short or long-legged drivers. Move handle (on right hand side under seat) to the left to release slides and adjust.



BACK ANGLE ADJUSTMENT (B)

Back-rest angle has three (3) positions to accommodate driver's preference and comfort. Lift seat back and pivot to the desired position. Be sure seat back locks into rack on side rails.



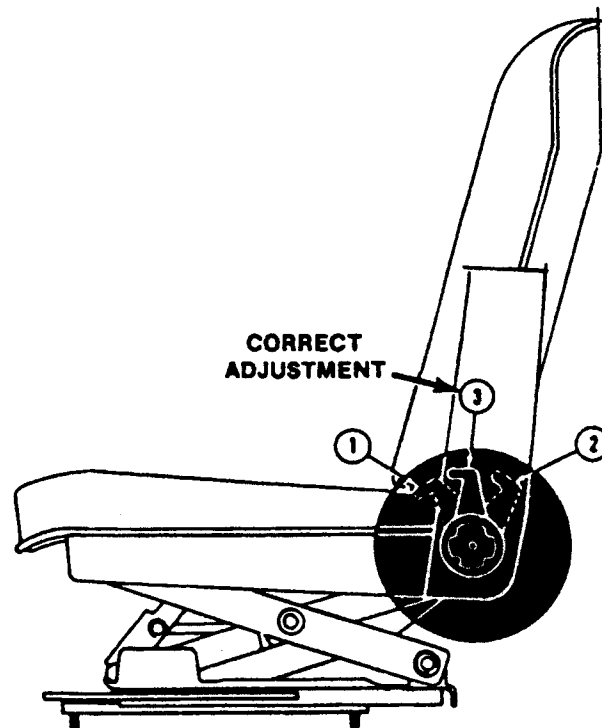
WEIGHT ADJUSTMENT LEVER (C)

This hand-operated lever controls a ratchet mechanism which adjusts the torsion bar to the driver's weight — from 125 to 270 pounds. Lever moves upward (when seated) to raise seat or downward to lower seat to proper position. Proper position is indicated by the RIDE LEVEL INDICATOR.

RIDE LEVEL INDICATOR

The indicator, located inside the left frame upright (see illustration), provides positive assurance that the seat is properly adjusted for the driver's weight. If there is too much preload (seat is too high), the indicator will be forward of the upright (position 1). If there is too little preload (seat is too low), the indication will remain behind the upright (position 2).

Adjust preload (see WEIGHT ADJUSTMENT LEVER (C)) with driver in seat until indicator is even with edge (position 3).



Removal/Reassembly

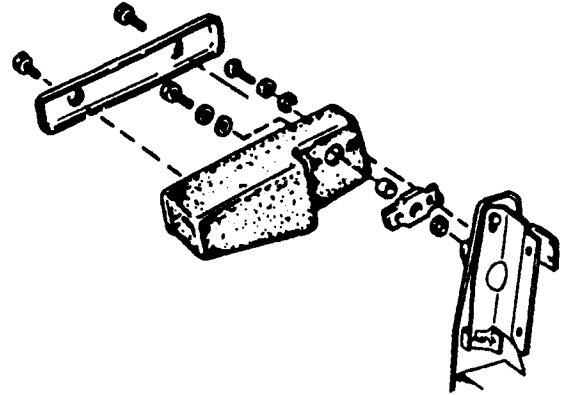
Key: Right hand and left hand are defined as driver's R.H. and L.H. while sitting in the seat. The numbers in parenthesis refer to index numbers on the parts illustration, and parts replace-list.

Arm Rest Removal

1. Take out screws (79) and remove arm channel cover (78).
2. Move mounting plate inside arm rest (68 or 70) to front of seat.
3. Using 1/2" socket wrench remove capscrews (75) and washers (74).

NOTE

If removal of side arm mounting block (72) is desired, take out 3/4" bolt (77), washer (71) and wave washer (76). For assembly, place spacer (73) inside of side arm mounting block (72).



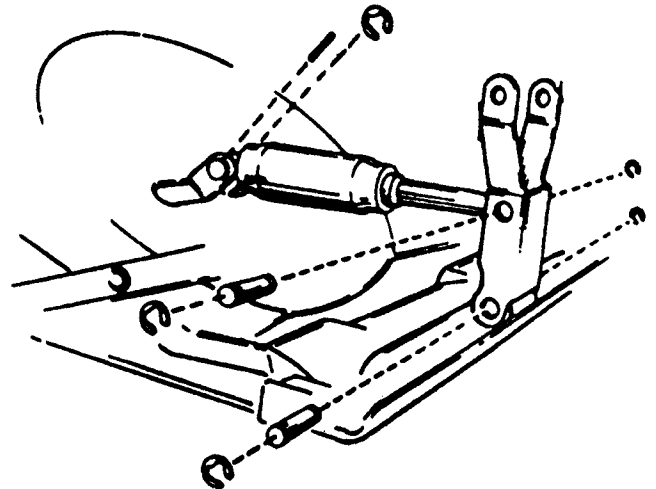
RIGHT HAND ARM SHOWN

Damper Removal

1. Follow same procedure as Torsion Bar Removal instructions 1-6.
2. Wire side panel assemblies (19) and (20) across front seat to retain their position.
3. Remove left hand snap ring (26) from end of hinge shaft (27) at front of damper (22).
4. Remove hinge shaft (27) by tapping out from left hand to right hand side. This operation frees two washers (28).
5. Remove snap ring (26) from hinge shaft (24) at rear of damper.
6. Remove hinge shaft (24) and free damper (22).

Assembly

1. With damper (22) in proper position, replace hinge shaft (24) at rear of damper.
2. Replace snap ring (26) in hinge shaft (24).
3. Replace hinge shaft (27) at front of damper, driving from right hand to left hand side. Serrated end of shaft to enter shock lever (30) last. Drive shaft through two washers (28) and through damper loop.
4. Replace snap ring (26) at end of front hinge shaft (27).
5. Line up right hand and left hand side of panels (20) and (19) retaining the twenty inch dimension over the side panels.
6. Reassemble seat cushion following Torsion Bar Assembly instructions 4-10.



Always Order Replacement Parts by Part Number —

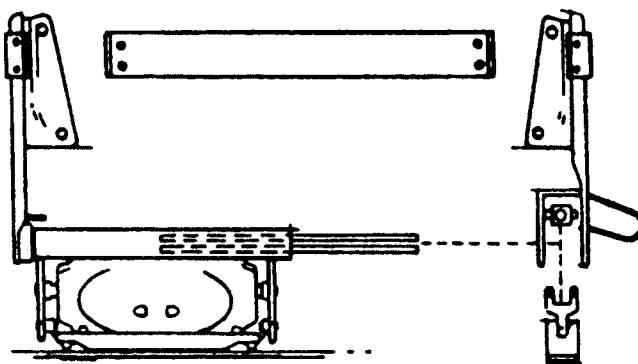
Not Reference Numbers

Removal/Reassembly

Key: Right hand and left hand are defined as driver's R.H. and L.H. while sitting in the seat. The numbers in parenthesis refer to index numbers on the parts illustration, and parts replace-list.

Torsion Bar Removal

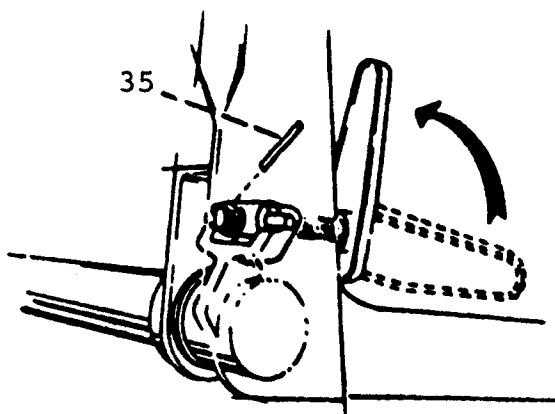
1. Remove strap (80) by taking out four 3/8" cap-screws (81), washers (82) and locknuts (83) (if suspension has armrests).
2. Place wood shim between seat pan and base at front of seat or between torsion bar tube and base at rear of seat. Shim should be no more than 3" high to allow upper seat assembly to drop 1" for seat cushion removal.
3. Remove pin (35).
4. Remove preload on torsion bars by rotating adjuster lever assembly (33) downward until adjuster assembly is disengaged from seat.
5. Remove back cushion assembly by taking out screws (53) and lockwashers (52).
6. Disengage seat cushion assembly by removing nuts (51). (**Note:** Take caution when removing last nut because pan drops onto wood shim.) Move seat cushion forward to free nylon rollers (31) from housing under seat cushion.
7. Remove right hand side panel assembly (20) by tapping out towards side. This allows yoke (42) to drop free.
8. Remove torsion bar set (41) from tube.



REAR VIEW

Assembly

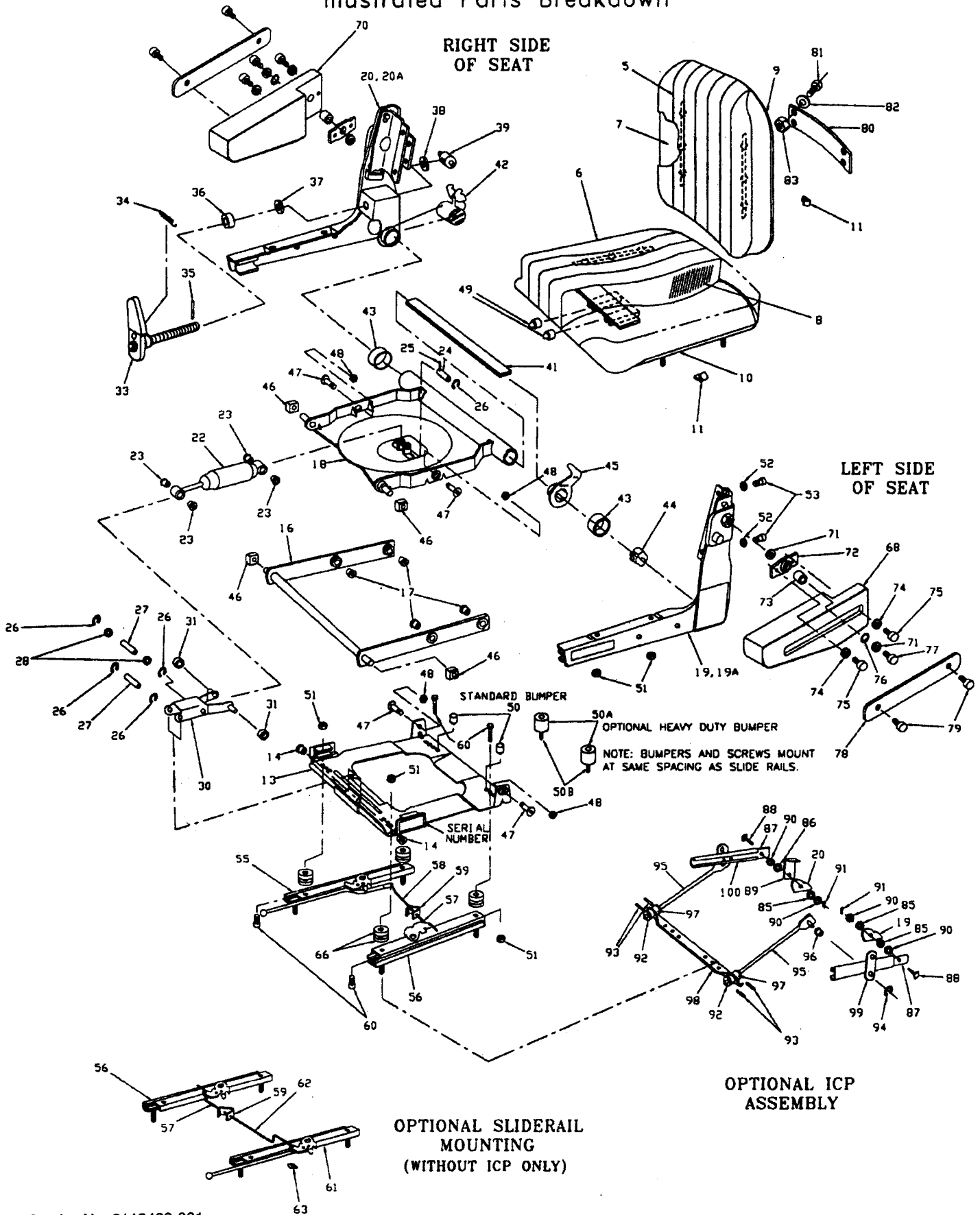
1. Insert torsion bar set (41) in tube, being sure that bars are engaged in retainer (44) inside tube at left hand side of seat.
2. Replace right hand side panel assembly (20) with yoke (42) held in position inside housing on side panel. Engage yoke (42) on free end of torsion bar set (41).
3. Line up side panels right hand (20) and left hand (19) retaining the 20" dimension over side panels.
4. Reassemble seat cushion moving from front of seat toward rear in order to engage nylon rollers (31) properly in housing under seat cushion.
5. Reassemble back cushion.
6. Replace preload adjuster assembly being sure that item numbers (36 through 39) are in their proper positions. Engage yoke (42) hooked ends over lugs on adjuster pin (39).
7. Preload torsion bars by rotating adjuster lever assembly (33) upward.
8. Replace pin (35).
9. Remove wood shims.
10. Reassemble back strap (80).
11. For assembly of arm rests reverse removal steps.



Always Order Replacement Parts by Part Number —

Not Reference Numbers

Illustrated Parts Breakdown



Catalog No. 0112489-001

Always Order Replacement Parts by Part Number—
Not Reference Numbers

PARTS REPLACEMENT LIST VIKING T-BAR

ORDERING INSTRUCTIONS: Order by Part Number, NOT Reference Number.

HOW TO USE: Find the corresponding part that you wish to replace on the exploded view illustration and note its reference number. Refer to list below and record part number, quantity required and description. Replaceable components of an assembly are indented under that assembly, indicating that they can be ordered separately or will be included if the assembly is ordered.

ORDER FROM: Your truck dealer or Bostrom Authorized Distributor for your area.

REF NO	PART NO	DESCRIPTION	QTY	REF NO	PART NO	DESCRIPTION	QTY
1	*	KIT, BACK CUSHION ASSEMBLY (includes items 5, 7, 9 & 11)		21	6222051-001	KIT, DAMPER ASSEMBLY (includes items 22 thru 28)	
	*	Black Vinyl	1	22	**	DAMPER	1
	*	Black BC/Vinyl	1	23	**	BEARING, Flanged	4
2	*	KIT, SEAT CUSHION ASSEMBLY (includes items 6, 8, 10 & 11)		24	**	SHAFT, Rear	1
	*	Black Vinyl	1	25	**	PIN, Roll	1
	*	Black BC/Vinyl	1	26	**	RING, Snap	3
				27	**	PIN, Hinge Front	1
				28	**	WASHER, Flat	2
3	*	KIT, BACK COVER AND PAD (includes items 5, 7 & 11)		29	6222052-001	KIT, DAMPER LEVER ASSEMBLY (includes items 26, 27, 30 & 31)	
	*	Black Vinyl	1	30	**	DAMPER, Lever	1
	*	Black BC/Vinyl	1	31	**	ROLLER, Nylon	2
4	*	KIT, SEAT COVER AND PAD (includes items 6, 8 & 11)		32	6222053-001	KIT, WEIGHT ADJUST SCREW & LEVER ASSEMBLY (includes items 33 thru 39)	
	*	Black Vinyl	1			ADJUSTER, Screw & Lever	1
	*	Black BC/Vinyl	1	33	**		
5	*	COVER ASSEMBLY BACK	1	34	**	SPRING, Tension	1
6	*	COVER ASSEMBLY SEAT	1	35	**	PIN, Drive	1
7	**	PAD, BACK	1	36	**	BEARING, Thrust Ball	1
8	**	PAD, SEAT	1	37	**	WASHER, Flat	1
9	**	PAN ASSEMBLY, BACK	1	38	**	SPACER, Sintered	1
10	**	PAN ASSEMBLY, SEAT	1	39	**	PIN, Adjuster	1
11	**	FASTENER CLIP, COVER	22	40	6061153-001	TORSION BAR SET (includes item 41)	
				41	**	TORSION BAR	2
12	6112473-002	BASE ASSEMBLY W/BEARINGS (includes items 13 & 14)		42	6027160-802	YOKE ADJUSTER CASTING	1
				43	6025775-801	BEARING, Housing	2
13	**	BASE ASSEMBLY	1	44	6027159-802	RETAINER	1
14	**	BEARING, Flanged	2	45	6031015-801	RISER LEVEL INDICATOR	1
15	6112485-001	OUTER LEVER ASSEMBLY (includes items 16 & 17)			6222054-001	KIT-SUSPENSION BEARING (T-BAR) (includes items 46, 47 & 48)	
16	**	OUTER LEVER ASSEMBLY	1	46	**	BLOCK, Slide	4
17	**	BEARING, Flanged	4	47	**	BOLT, Shoulder	4
18	6112471-001	CENTER LEVER ASSEMBLY	1	48	**	NUT, Hex Lock M8	4
19	6112475-001	SIDE PANEL ASSEMBLY LH (w/o armrest bracket)	1	49	6027194-801	BUMPER, Rubber - Top	2
				50	6027194-801	BUMPER, Rubber - Bottom (Standard)	2
19A	6112481-001	SIDE PANEL ASSEMBLY LH (w/armrest bracket)	1	50A	6049019-002	BUMPER, Rubber - Bottom Optional Heavy Duty Bumper	2
20	6112476-001	SIDE PANEL ASSEMBLY RH (w/o armrest bracket)	1	50B	6349148-002	SCREW, Machine .31-18x1.00 (used only with 50A)	2
20A	6112482-001	SIDE PANEL ASSEMBLY RH (w/armrest bracket)	1				

PARTS REPLACEMENT LIST VIKING T-BAR CONTINUED

REF NO	PART NO	DESCRIPTION	QTY	REF NO	PART NO	DESCRIPTION	QTY
51	6110153-001	NUT, Flanged .31-19	8	77	**	SCREW, Cap .50 - 13 X 1.25	1
52	6353024-801	WASHER, Flat	4	78	**	COVER, Arm Channel	1
53	6351152-801	SCREW, Cap .31-18x.62	4	79	**	SCREW, Machine .25 - 20 X .75	2
54	6044818-001	KIT, SLIDE RAIL - STANDARD (includes items 51, 55 thru 60)		80	6046373-003	STRAP, Cross Back	1
				81	6351228-001	SCREW, Cap .37 - 16 X 1.12	4
54A	6042754-001	KIT, SLIDE RAIL - OPTIONAL (includes items 51, 56, 57, 59, 60, 61 thru 63)		82	6353014-801	WASHER, Flat	4
				83	6350009-002	NUT, Hex Lock .37 - 18ZP	4
55	**	SLIDE RAIL ASSEMBLY W/HANDLE	1	84	6044614-001	KIT, ICP CONVERSATION STANDARD COMPLETE UNIT W/SLIDE RAILS (includes items 55, 58, 85 thru 100)	
56	**	SLIDE RAIL ASSEMBLY	1	85	**	SPACER, Rubber	7
57	**	LATCH WIRE, Short	1	86	**	WASHER, Flat Rubber	1
58	**	LATCH WIRE, Long	1	87	**	GUIDE, Delrin	2
59	**	FASTENER, Clip Wires	1	88	**	PIN, Headed .312 X 1.25ZP	4
60	**	SCREW, Cap .31-18-1.00	4	89	**	BRACKET, Stop	1
61	**	SLIDE RAIL ASSEMBLY W/HANDLE	1	90	**	WASHER, Flat	8
				91	**	PIN, Cotter .12 X .5	4
62	**	LATCH WIRE, Long	1	92	**	WASHER, Flat	4
63	**	FASTENER, Clip Wires	1	93	**	PIN, Drive .120 X 1.0	4
64	6042065-041	KIT, LATCH WIRE - STANDARD (includes items 57, 58 & 59)		94	**	RING, Snap	2
				95	**	ROD, Slide w/Pin	2
65	6042378-021	KIT, LATCH WIRE - OPTIONAL (includes items 57, 59 & 62)		96	**	BEARING, Flanged	2
				97	**	WASHER, Rubber	4
66	6353085-003	WASHER, Flat	8	98	**	STRAP, Front	1
67	6046557-013	KIT, ARMREST ASSEMBLY LH (includes items 68, 71 thru 79)		99	**	SLIDE ASSEMBLY LH	1
				100	**	SLIDE ASSEMBLY RH	1
68	**	ARMREST ASSEMBLY LH	1	101	6043370-001	KIT, ICP REPLACEMENT (includes items 85 thru 88, 90 thru 94, 96 & 97)	
69	6046557-014	KIT, ARMREST ASSEMBLY RH (includes items 70, 71 thru 79)					
70	**	ARMREST ASSEMBLY RH	1				
71	**	WASHER, Flat	2				
72	**	STOP, Side Arm	1				
73	**	SPACER	1				
74	**	WASHER, Lock .31	2				
75	**	SCREW, Cap .31-18 X .50	2				
76	**	WASHER, Wave	1				

* Order by color and material: Black Vinyl, Brown Vinyl, Gray Vinyl, Black Cloth and Vinyl, Brown Cloth and Vinyl, Gray Cloth and Vinyl, Blue Cloth and Vinyl, Red Cloth and Vinyl, Cocoa Cloth and Vinyl, Red Velour and Vinyl, Cocoa Velour and Vinyl.
** Not available separately. Order the kit which includes this part.

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