

Vector Measuring System

PARTS MANUAL



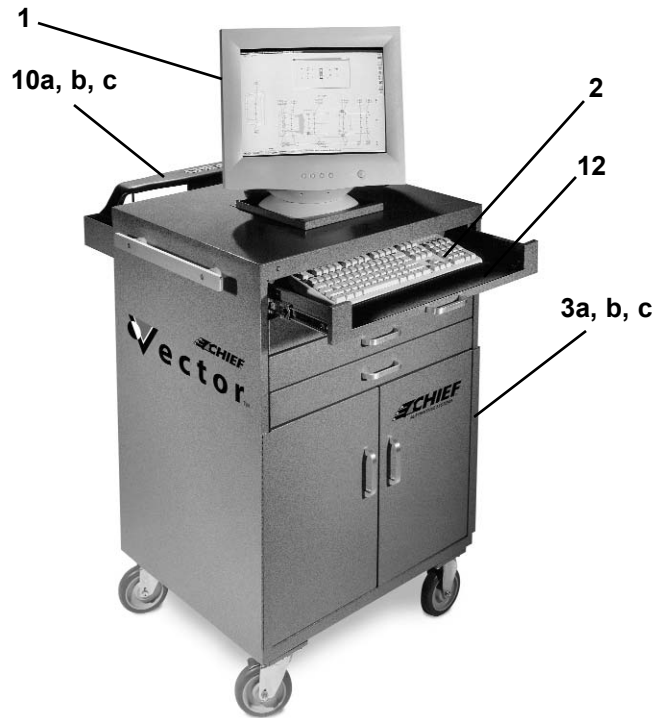
Parts Ordering Information

If it becomes necessary to order replacement parts or accessories for your Vector Measuring System, or contact a service representative, call the Chief Automotive Systems, Inc. 24-hour toll-free telephone number (800-445-9262). If located outside the United States, contact an authorized Chief Automotive Systems, Inc. representative.

When contacting Chief Automotive Systems, Inc. by telephone or mail, provide the following information: name, name of shop, shop telephone number, shop address, a description of the part and the part number, if available. In addition, note the method of payment and shipping charges.

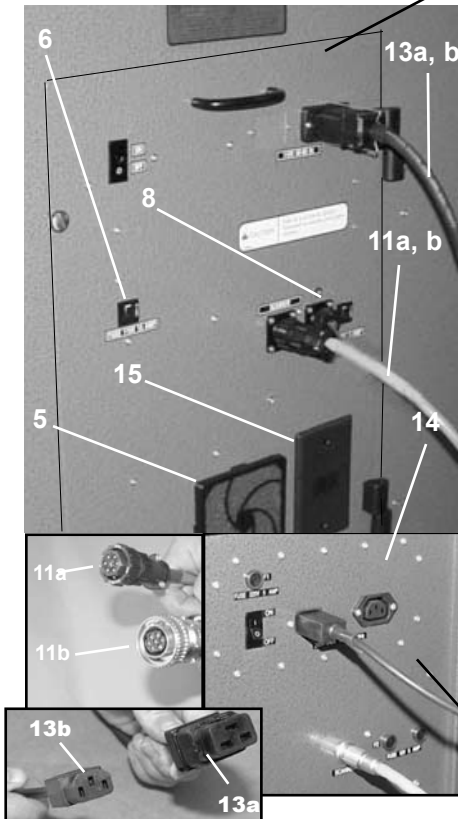


Workstation



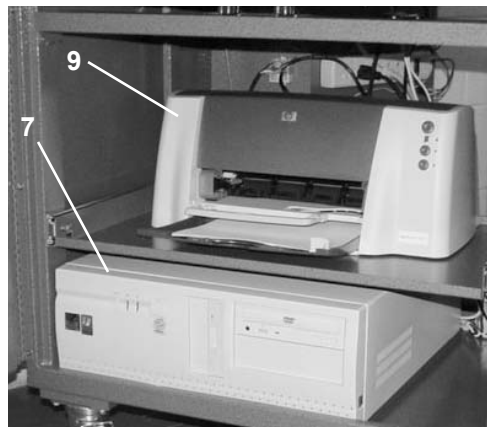
Ref.	Part No.	Description
1	**	Monitor
2	**	Keyboard, enhanced
3a	788003	Workstation, 110 volt
3b	788004	Workstation, CE
3c	788385	Workstation, CSA
4	790292	Decal, Laser Radiation
*	790305	Decal, Avoid Exposure!
5	797725	Filter Assembly
6	794024	Breaker, 15 amp (110 volt system)
7	**	Computer
8	794022	Breaker, 5 amp
9	**	Printer
10a	788092	Scanner, 110 volt
10b	788147	Scanner, 220 volt, CE
10c	788158	Scanner, CSA
11a	788032	Scanner Cable (110 volt system)
11b	788007	Body Scanner Cable (220 volt sys.)
12	788015	Wrist Pad
13a	799449	Power Supply Cable (110 volt system)
13b	798499	Power Supply Cable (220 volt system)
*	788183	Vector Users Manual
*	788184	Vector Parts Manual
14	788289	Nylon Hinges (pair)
15	**	Cover for optional network/phone line expansion
*	794481	Speakers (optional)

Workstation (Back Panel) 110 Volt System



* Not shown.
 ** Contact Chief Automotive Systems, Inc. for current model(s) available. Note brand name and model number of existing equipment when making inquiry.
NOTE: Decals available in some foreign languages. Order by description.

Printer



Computer

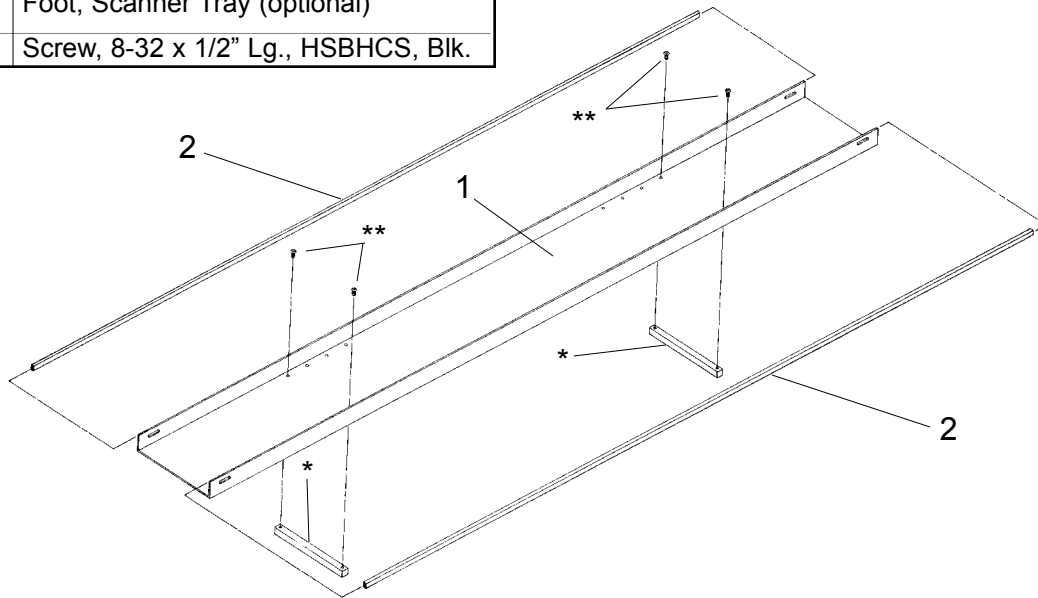
Body Scanner



Scanner Tray

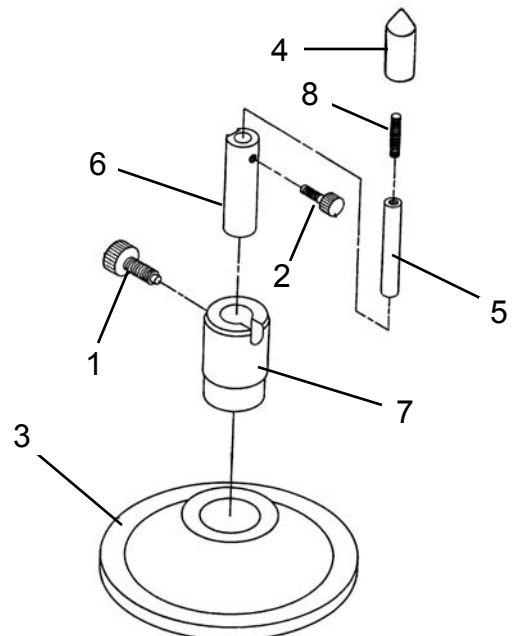
Ref.	Part No.	Description
	799140	Tray, Scanner (complete)
1	792212	Tray, Scanner
2	795624	Trim, 1/16" wide, raw, R100 B3 x 1/16
*	792220	Foot, Scanner Tray (optional)
**	796141	Screw, 8-32 x 1/2" Lg., HSBHCS, Blk.

Scanner Tray Feet Are Optional!



Target Base

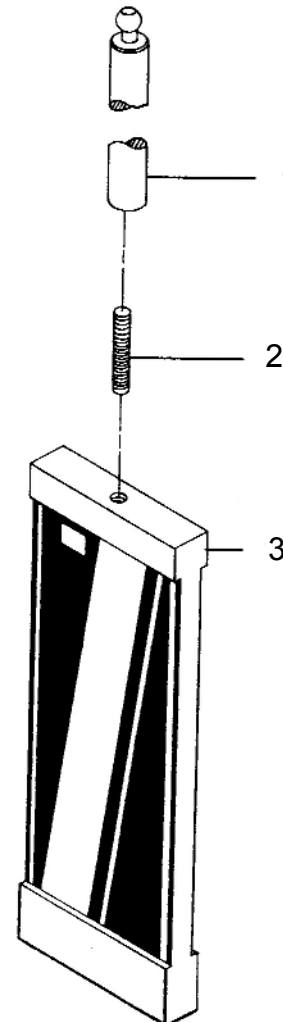
Ref	Part No.	Description
	799060	Target Base (complete)
1	621835	Thumb Screw, Padded, 1/4-20NC x 1/2
2	632227	Screw, 6-32 x 1/2, SHCS
3	635612	Base
4	790209	Point, 25mm
5	790217	Extension, Inner, 6mm x 50mm
6	790225	Extension, Center, 13mm x 50mm
7	790233	Cylinder, Outer, 25mm x 45mm
8	796221	Set Screw, Hex Socket,



Targets Assemblies

Ref	Part No.	Description
	798526	Target Ass'y, 20-150mm, #1, complete
1	790401	Pendant, 20mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798008	Sub Assembly Target
	798534	Target Ass'y, 20-150mm, #2, complete
1	790401	Pendant, 20mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798016	Sub Assembly Target
	798585	Target Ass'y, 40-170mm, #7, complete
1	790410	Pendant, 40mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798067	Sub Assembly, Target
	798593	Target Ass'y, 40-170mm, #8, complete
1	790410	Pendant, 40mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798075	Sub Assembly, Target
	798606	Target Ass'y, 60-190mm, #9, complete
1	790428	Pendant, 60mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798083	Sub Assembly, Target
	798614	Target Ass'y, 60-190mm, #10, complete
1	790428	Pendant, 60mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798091	Sub Assembly, Target
	798622	Target Ass'y, 60-19mm, #11, complete
1	790428	Pendant, 60mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798104	Sub Assembly, Target
	798630	Target Ass'y, 60-190mm, #12, complete
1	790428	Pendant, 60mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798112	Sub Assembly Target
	798649	Target Ass'y, 100-230mm, #13, complete
1	790436	Pendant, 100mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798120	Sub Assembly Target
	798657	Target Ass'y, 100-230mm, #14, complete
1	790436	Pendant, 100mm
2	796221	Stud (Set Screw, 8-32NC x .75 Large
3	798139	Sub Assembly, Target
	798665	Target Ass'y, 100-230mm, #15, complete
1	790436	Pendant, 100mm
2	796221	Stud (Set Screw), 80-32NC x .75 Large
3	798147	Sub Assembly, Target
	798673	Target Ass'y, 100-230mm, #16, complete
1	790436	Pendant, 100mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798155	Sub Assembly, Target

Target Nos. 1, 2, 7-36



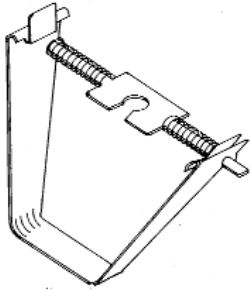
Target Assemblies.....continued

Ref	Part No	Description
	798681	Target Ass'y, 140-270mm, #17, complete
1	790444	Pendant, 140mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798163	Sub Assembly Target
	798690	Target Ass'y, 140-270mm, #18, complete
1	790444	Pendant, 140mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798171	Sub Assembly Target
	798702	Target Ass'y, 140-270mm, #19, complete
1	790444	Pendant, 140mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798180	Sub Assembly, Target
	798710	Target Ass'y, 140-170mm, #20, complete
1	790444	Pendant, 140mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798198	Sub Assembly, Target
	798729	Target Ass'y, 180-310mm, #21, complete
1	790452	Pendant, 180mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798200	Sub Assembly, Target
	798737	Target Ass'y, 180-310mm, #22, complete
1	790452	Pendant, 180mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798219	Sub Assembly, Target
	798745	Target Ass'y, 220-350mm, #23, complete
1	790460	Pendant, 220mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798227	Sub Assembly, Target
	798753	Target Ass'y, 220-350mm, #24, complete
1	790460	Pendant, 220mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798235	Sub Assembly Target
	798761	Target Ass'y, 260-390mm, #25, complete
1	790479	Pendant, 260mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798243	Sub Assembly Target
	798770	Target Ass'y, 260-390mm, #26, complete
1	790479	Pendant, 260mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798251	Sub Assembly, Target

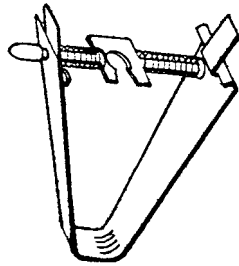
Ref	Part No	Description
	798788	Target Ass'y, 300-430mm, #27, complete
1	790487	Pendant, 300mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798260	Sub Assembly, Target
	798796	Target Ass'y, 300-430mm, #28, complete
1	790487	Pendant, 300mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798278	Sub Assembly, Target
	798809	Target Ass'y, 340-470mm, #29, complete
1	790495	Pendant, 340mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798286	Sub Assembly, Target
	798817	Target Ass'y, 340-470mm, #30, complete
1	790495	Pendant, 340mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798294	Sub Assembly Target
	798825	Target Ass'y, 340-470mm, #31, complete
1	790495	Pendant, 340mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798307	Sub Assembly, Target
	798833	Target Ass'y, 340-470mm, #32, complete
1	790495	Pendant, 340mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798315	Sub Assembly, Target
	798841	Target Ass'y, 380-510mm, #33, complete
1	790516	Pendant, 380mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798323	Sub Assembly, Target
	798850	Target Ass'y, 380-510mm, #34, complete
1	790516	Pendant, 380mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798331	Sub Assembly, Target
	798868	Target Ass'y, 380-510mm, #35, complete
1	790516	Pendant, 380mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798340	Sub Assembly, Target
	798876	Target Ass'y, 380-510mm, #36, complete
1	790516	Pendant, 380mm
2	796221	Stud (Set Screw), 8-32NC x .75 Large
3	798358	Sub Assembly, Target

Attachments / Clips

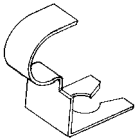
Hole Attachment - Metal



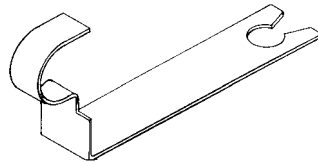
Extruded Hole Attachment - Metal



Side Hole Clip - Metal

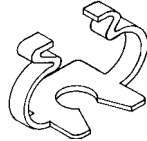


Extended Side Hole Clip - Metal

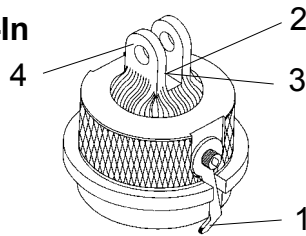


Part No.	Description
	Hole Attachment
798980	Attachment, Hole, 9 - 25mm
798999	Attachment, Hole, 20 - 45mm
	Extruded Hole Attachment
799019	Attachment, Extruded Hole, 9 - 25mm
799027	Attachment, Extruded Hole, 20 - 45mm
	Side Hole Clip
790188	Clip, Side Hole, 23mm
790196	Clip, Side Hole, 35mm
	Side Hole Clip, Extended
790330	Clip, Side Hole, Extended, 23 x 50mm
790372	Clip, Side Hole, Extended, 35 x 50mm

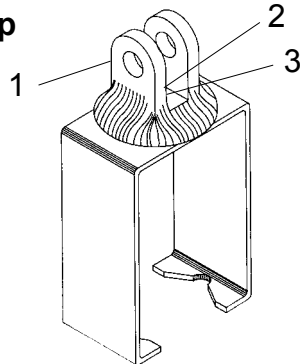
Bottom Hole Clip



Aluminum Snap-In



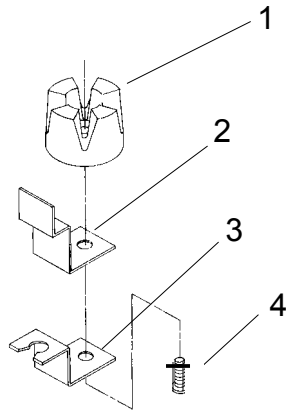
Nylon Bolt Clip



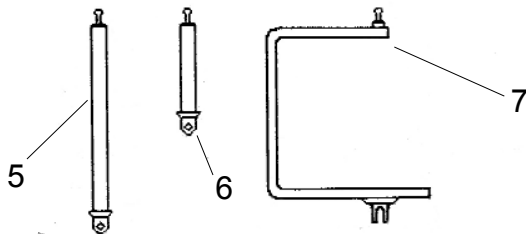
Ref.	Part No.	Description
		Bottom Hole Clip
	792271	Clip, Bottom Hole, 5-10mm
		Aluminum Snap-In Attachment
	780030	Attachment, Snap-In, 10mm
	780031	Attachment, Snap-In, 11mm
	780032	Attachment, Snap-In, 12mm
	780033	Attachment, Snap-In, 13mm
	780034	Attachment, Snap-In, 14mm
	780035	Attachment, Snap-In, 15mm
	780036	Attachment, Snap-In, 16mm
	780037	Attachment, Snap-In, 17mm
	780038	Attachment, Snap-In, 18mm
	780039	Attachment, Snap-In, 19mm
	780040	Attachment, Snap-In, 20mm
	780042	Attachment, Snap-In, 22mm
	780044	Attachment, Snap-In, 24mm
	780045	Attachment, Snap-In, 25mm
	780046	Attachment, Snap-In, 26mm
	780048	Attachment, Snap-In, 28mm
	780050	Attachment, Snap-In, 30mm
	780052	Attachment, Snap-In, 32mm
1	780000	Spring, Hole Plug
2	780001	Shoulder Screw, .18 x .313 Long
3	780026	Set Screw, 2-56 x 3/8 Long
4	790277	Ball Socket, Target
		Nylon Bolt Clip
	780057	Bolt Clip, Nylon, 10-20mm
	780058	Bolt Clip, Nylon, 15-25mm
	780059	Bolt Clip, Nylon, 25-35mm
1	790277	Ball Socket, Target
2	780001	Shoulder Screw, .18 x .313 Long
3	780028	Cap Screw, 2-56 x 3/16 Lg., Button Hd.

Optional Accessories

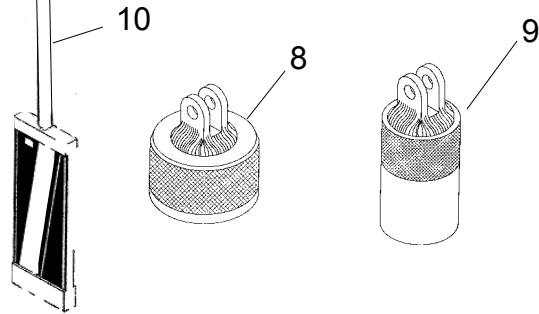
Magnetic Attachment (Optional)



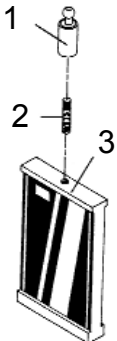
Target Extension Rod Assembly Package (Optional)



Truck Attachment Package (Optional)



Lower Ball Joint Targets - #41 & #42 (Optional)



Ref	Part No.	Description
		Magnetic Attachment (Optional)
1	629010	Magnet
2	790102	Holder, Magnetic Attachment
3	790110	Guide, Magnetic Attachment
4	790678	Pop Rivet, 1/4", Multi-Grip, AD-828
	798440	Target Extension Rod Assembly Pkg. (Optional)
5		Target Ext. Rod Ass'y, 256mm, red
6		Target Ext. Rod Ass'y, 156mm, blue
7		4C Extension, C - Shape
	799535	Truck Attachment Pkg. — Drawer 4 (Optional)
8		Magnetic Bolt Attachment, 10mm
		Magnetic Bolt Attachment, 13mm
		Magnetic Bolt Attachment, 14mm
		Magnetic Bolt Attachment, 15mm
		Magnetic Bolt Attachment, 16mm
		Magnetic Bolt Attachment, 17mm
		Magnetic Bolt Attachment, 18mm
		Magnetic Bolt Attachment, 19mm
		Magnetic Bolt Attachment, 21mm
		Magnetic Bolt Attachment, 24mm
9		Threaded Bolt Attachment, 13mm
		Threaded Bolt Attachment, 14mm
		Threaded Bolt Attachment, 15mm
		Threaded Bolt Attachment, 18mm
		Threaded Bolt Attachment, 21mm
		Threaded Bolt Attachment, 24mm
10		Target Assembly, No. 37
		Target Assembly, No. 38
		Target Assembly, No. 39
		Target Assembly, No. 40
*		Pad, Truck Attachment Package
*		Foam Pad, 1" x 17" x 21"
		Lower Ball Joint Targets - #41 & 42 (Optional)
	798921	Target Ass'y, 20-95mm, #41, complete
11	790401	Pendant, 20mm
12	796221	Stud (Set Screw), 8-32NC x .75 Large
13	798403	Sub Assembly, Target
	798930	Target Ass'y, 20-95mm, #42, complete
11	790401	Pendant, 20mm
12	796221	Stud (Set Screw), 8-32NC x .75 Large
13	798411	Sub Assembly, Target

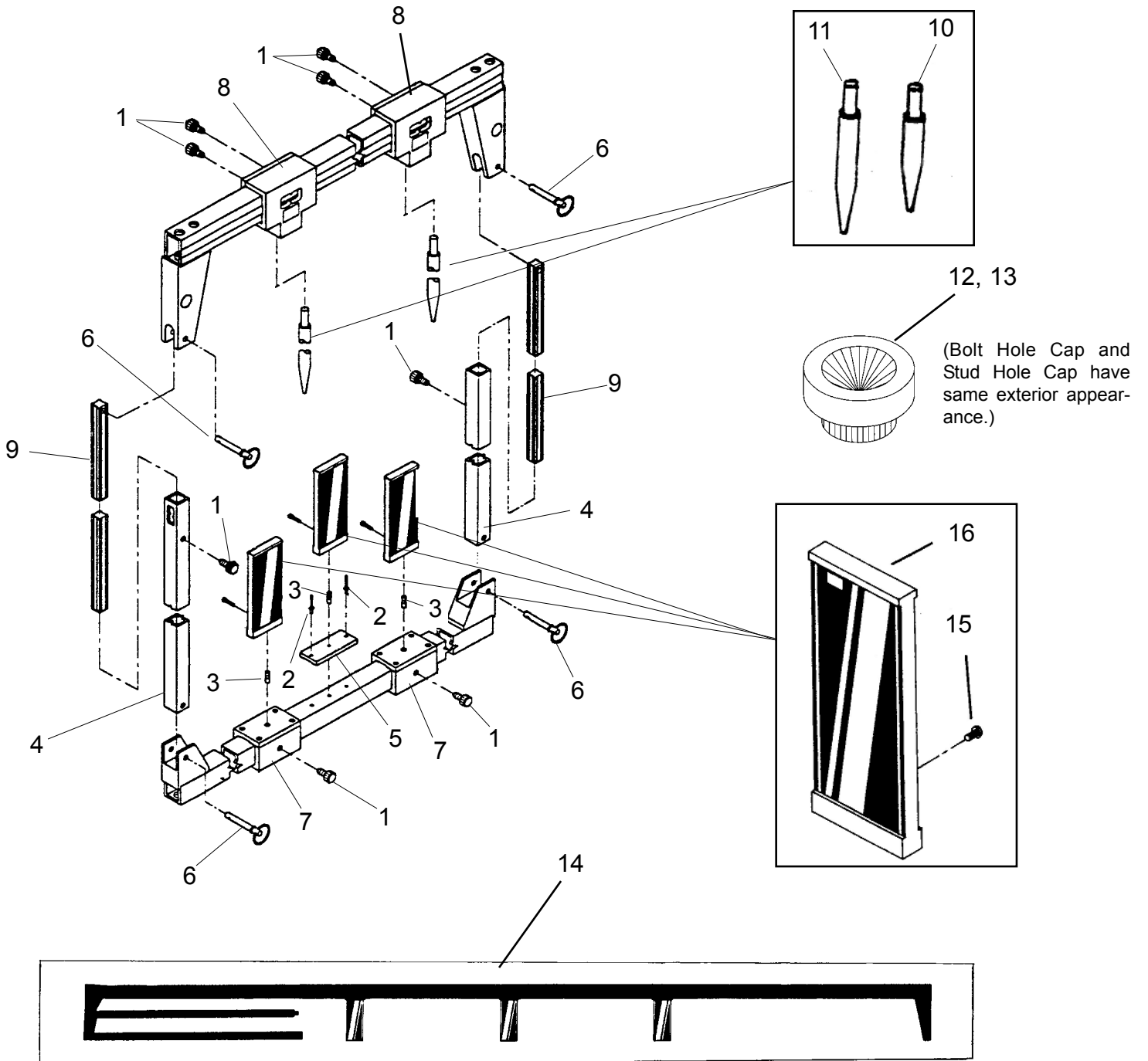
* Not shown

**Upper Body Bar
Package
(Optional)**

see illustrations - on
opposite page

Ref	Part No	Description
	788178	Upper Body Bar Package (Optional)
	799123	Upper Body Bar Assembly (complete)
1	621835	Thumb Screw, Padded, 1/4-20 x 1/2"
2	790679	Pop Rivet, 1/8", Multi-Grip, AD-4345-BS
3	790866	Stud, Target Holder, Upper Body Bar
4	792183	Housing, Outer, Scale Assembly
5	792714	Mount, Center Target, Upper Body Bar
6	792781	Pin, Upper Body Bar
7	799552	Holder Assembly, Target, U.B.B., Hard Coated
8	799560	Pointer Holder Assembly, Hard Coated
9	799633	Bar Tape Assembly, Vertical Bar
*	797787	Extended Bar Tape Assembly, Vertical Bar
		Pointers
10	620947	Pointer, 102mm
11	620955	Pointer, 178mm
		Caps, Bolt Hole / Stud Hole
12	780060	Cap, Bolt Hole, 5mm
	780061	Cap, Bolt Hole, 7mm
	780062	Cap, Bolt Hole, 9mm
	780063	Cap, Bolt Hole, 11mm
	780064	Cap, Bolt Hole, 13mm
	780065	Cap, Bolt Hole, 15mm
	780066	Cap, Bolt Hole, 17mm
13	792025	Cap, Stud/Hole, 6mm
	792026	Cap, Stud/Hole, 8mm
	792027	Cap, Stud/Hole, 9mm
	792028	Cap, Stud/Hole, 10mm
	792029	Cap, Stud/Hole, 12mm
	792030	Cap, Stud/Hole, 13mm
	792031	Cap, Stud/Hole, 14mm
	792032	Cap, Stud/Hole, 15mm
	792033	Cap, Stud/Hole, 18mm
14	799158	Storage Board
		Hanger, Long
		Nut, Propeller Tee, 1/4-20, Pl.
		Silk Screen Board
		Decal, Vector Accessories
		Upper Body Bar Targets - Nos. 43, 44, 45
	798948	Target Assembly, 100mm, #43, Left, complete
15	796096	Screw, 4-40 x 1/2" HSHCS, Bl.
16	798420	Sub Assembly, Target
	798956	Target Assembly, 100mm, #44, Right, complete
15	796096	Screw, 4-40 x 1/2" HSHCS, Bl.
16	798438	Sub Assembly, Target
	798964	Target Assembly 100mm, #45, Center, complete
15	796096	Screw, 4-40 x 1/2" HSHCS, Bl.
16	798446	Sub Assembly, Target

* Not shown





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**Chief reserves the right to alter product specifications and/or
package components without notice.**