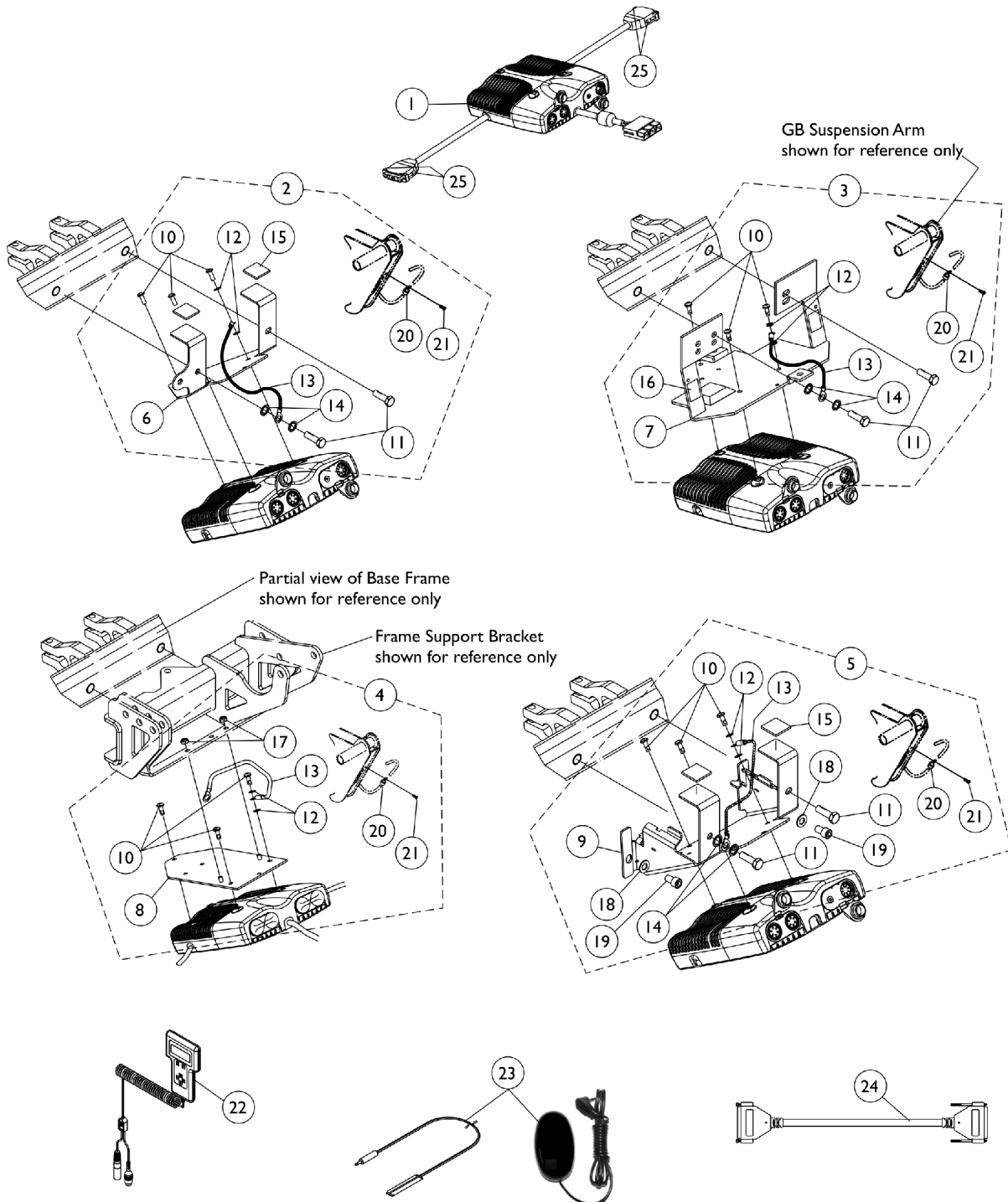


MKIV Controllers, Programmer and Hardware

MKIV TrueTrack

NOTE: GB motors were not available with the Arrow (301-401HD) user weight selection until 1/26/04 when the TTHD GB motors covered all Arrow user weight limits STANDARD. **NOTE:** GB motors were not available with the Torque SP (301-351 TQHD) user weight selection until 1/26/04 when the user weight limit was raised to 400 Lbs. See Motor/Gearbox Assembly Reference Charts for additional standard/optional on-chair applications for all models



MKIV Controllers, Programmer and Hardware

MKIV TrueTrack

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Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B,C	1110861-NLA	NLA - Controller with Instructions, MKIV GB (TrueTrack) Non-Heavy Duty	1	1
1	B,D	1109540-NLA	NLA - Controller with Instructions, MKIV GB (TrueTrack) Non-Heavy Duty	1	1
1	E,E1,N	1116603-NLA	NLA - Kit, Controller w/ Instructions, MKIV GB (TrueTrack) Heavy Duty	1	1
2-5		See Chart	Controller Mounting Bracket with Hardware	1	1
6	F	1092661-NLA	NLA - Bracket w/ Fastener Strips, Controller Mounting	1	1
7	G	1092659-NLA	NLA - Kit, Controller Mounting Bracket with Fastener Strips, Black	1	1
8	H	1087790-NLA	NLA - Bracket, Controller Mounting, Black	1	1
9	I	1140264	Kit, Controller Mounting Bracket w/ Fastener Strips, Black	1	1
10		40163X002	Screw, Phillips Round Head (#10-32 x 1/2")	1	3
11		1104258	Screw, Hex Head w/ Patch (5/16-18 x 1")	1	2
12		1027263-NLA	NLA - Washer, Lock Internal Tooth (#10)	1	2
13		1104260-NLA	NLA - Wire, Grounding Jumper Strap E.S.D.	1	1
14	P	1023263-NLA	NLA - Washer, Internal Tooth (M8)	1	2
15		1070504-NLA	NLA - Fastener, Hook with Adhesive Back (1" W x 1" L)	1	2
16		1092662-NLA	NLA - Package, Fastener, Dual Lock 250 (1/2" W x 7/8" L)	10	1
17		1025735	Locknut (#10-32)	1	2
18		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
19		1091541-NLA	NLA - Screw, Socket Head Cap (5/16-18 x 1/2")	1	2
20		1079245-NLA	NLA - Clamp, Cable	1	2
21		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
22		1109091-NLA	NLA - Programmer, Remote	1	1
23	J	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
23	K	1123276	Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
24		1091121-NLA	NLA - Cable, Motor Extension, GB (8")	1	1
25		1159217	Package, Thumb Screw (1-1/2" L)	10	1
	M,O,O 1	1134214	Kit, GB HD Controller Gasket Connector	1	1
	L,M	1105910-NLA	NLA - Kit, ESD Ground Strap - GB	1	1
	M,Q	1105911-NLA	NLA - Instruction Sheet, ESD Kit (GB)	1	1
	M	1118363-NLA	NLA - Instruction Sheet, Replacing and Calibrating MKIV (GB) Controller	1	1
	M	1043576-NLA	NLA - Service Manual, MKIV Electronics	1	1
	M	1095204-NLA	NLA - Cable, Virtual Service, Charger/Modem	1	1

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Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	M	1064404-NLA	NLA - Virtual Service Modem Kit	1	1
	M	1091631-NLA	NLA - Virtual Service Software Kit	1	1
	M	1103051-NLA	NLA - MKIV One 2 One Software Kit	1	1
	M	1091980-NLA	NLA - Disk, 3.5 H.D. Floppy with V.S. Software	1	1
	M	1091637-NLA	NLA - Adaptor, Null Modem	1	1
	M	1091636-NLA	NLA - Service Manual - V.S. Software Kit	1	1
	M	1046117-NLA	NLA - Printer and Interface	1	1
	M	1026572-NLA	NLA - Paper, Printer	1	1
	M	1027280-NLA	NLA - Harness, Printer Wiring	1	1

NOTE:

- A - It is recommended that an E.S.D. ground strap kit part number 1105910 be ordered when a new controller is needed for chairs built before 4/12/01
- B - Controller w/o instructions before 4/1/02 is 1079890 and after 3/31/02 is 1109528 as noted on the controller decal
- C - Before 4/1/02. No longer available. Use part number 1109540 as a replacement
- D - After 3/31/02
- E - Controller w/o instructions is part number 1116589 as noted on the controller decal. MKIV GB heavy duty TTHD controllers older than serial number 15704A028 are not compatible with -
- E1 - Group 24 battery box lids made after 1/25/04 (3/14/04 for VA Government orders) that contain a 125 Amp. fuse
- F - Comes packaged with item 2 Controller Mounting Bracket with Hardware. See chart for Bracket application
- G - Comes packaged with item 3 Controller Mounting Bracket with Hardware. See chart for Bracket application
- H - Comes packaged with item 4 Controller Mounting Bracket with Hardware. See chart for Bracket application
- I - Comes packaged with item 5 Controller Mounting Bracket with Hardware. See chart for Bracket application
- J - Before 5/24/04
- K - After 5/23/04. The Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch
- L - Includes items 10-13 and Instruction Sheet
- M - Not Shown
- N - Controller will include a Controller Gasket Connector Kit created 10/26/07 that attaches to the controller motor cables.
- O - Kit was created 10/26/07 and attaches to the controller motor cables. Includes 2 ea. GB HD Controller Gasket Connectors, 2 ea. Silicon Lubricant Packets, 1 ea. Instruction Sheet. Individual components are non-saleable.
- O1 - The kit can retrofit to existing GB HD controllers in the field
- P - Part #1023263 is no longer available as a service part individually. Must order a complete Controller Mounting Bracket w/ Hardware as a replacement.
- Q - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.

Item #'s 2-5 Controller Mounting Bracket with Hardware

Seating System	Item #2 Controller Mounting Bracket with Hardware	Item #3 Controller Mounting Bracket with Hardware	Item #4 Controller Mounting Bracket with Hardware	Item #3 and #5 Controller Mounting Bracket with Hardware For TRRO/TRBKTS Option
Van Seat with one controller	1079244-NLA See Note(s) A	N/A	N/A	N/A
ASBA/ADJASBA w/ one controller	1079244-NLA See Note(s) A	N/A	N/A	1135972-NLA See Note(s) D, E
ASBA/ADJASBA with two controllers	N/A	1092651-NLA See Note(s) B	N/A	1092651-NLA See Note(s) E, B

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Item #'s 2-5 Controller Mounting Bracket with Hardware

Seating System	Item #2 Controller Mounting Bracket with Hardware	Item #3 Controller Mounting Bracket with Hardware	Item #4 Controller Mounting Bracket with Hardware	Item #3 and #5 Controller Mounting Bracket with Hardware For TRRO/TRBKTS Option
ASBA/ADJASBA with two controllers, shock forks and short base together as of 5/20/02	N/A	1092651-NLA See Note(s) B	N/A	1092651-NLA See Note(s) B, F
ESS6-STM (Elevating Seat) with one controller	1079244-NLA See Note(s) A	N/A	N/A	N/A
ESS6-STM (Elevating Seat) with two controllers	N/A	1092651-NLA See Note(s) B	N/A	N/A
ESS-PTO with two controllers	N/A	1092651-NLA See Note(s) B	N/A	N/A
ESS-PTO with two controllers, shock forks and short base together as of 5/20/02	N/A	1092651-NLA See Note(s) B	N/A	N/A
Power Tilt Only (PTO) with one controller	N/A	N/A	1107311-NLA See Note(s) C	N/A
2GT with one controller	N/A	1092651-NLA See Note(s) B		1135972-NLA See Note(s) F, D
2GT with one controller, shock forks and short base together as of 5/20/02	1079244-NLA See Note(s) A	N/A	N/A	1135972-NLA See Note(s) D, F
2GT/2GR/2GTR with two controllers	N/A	1092651-NLA See Note(s) B	N/A	1092651-NLA See Note(s) F, B
2GT/2GR/2GTR with two controllers, shock forks and short base together as of 5/20/02	N/A	1092651-NLA See Note(s) B	N/A	1092651-NLA See Note(s) F, B

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NOTE: A - Includes items 6, 10-15, 20 and 21
B - Includes items 7, 10-14, 16, 20 and 21
C - Includes items 8, 10, 12, 13, 17, 20 and 21
D - Includes items 9, 10-15, 18-21
E - Used when TRRO or TRBKTS option is ordered
F - Used when TRBKTS option is ordered. TRRO option is not offered

NOTE: Two Controllers = Joystick Controller and Powered Seating System Actuator Controller are being used