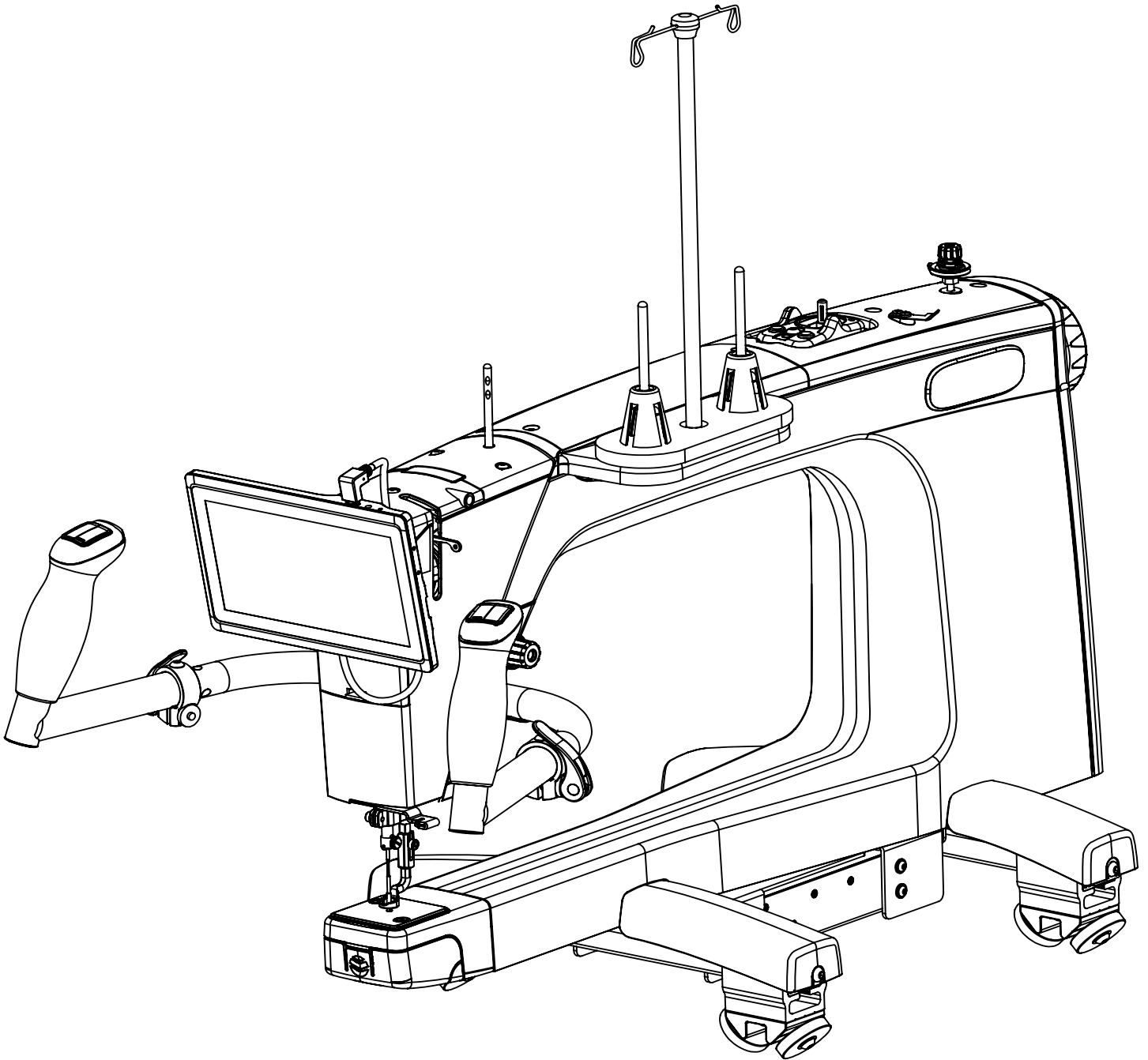


Q'nique[®]19X
ELITE

Exploded Views



Copyright December 15, 2025
Grace Company
(Reproduction Prohibited)
Version 1.0

Grace
COMPANY

Peripherals	1
Needle	1
Hopping Foot.....	1
Needle Plate	2
Lower Thread Guide.....	2
Thread Cutter	2
7" Display	3
Handles.....	4
Thread Stand.....	5
Encoders	6
Encoder Parts	7
Wheel Bases and Covers.....	8
Dual Wheel Mount Assembly.....	9
Plastics	10
Bobbin Area Covers.....	10
Top Upper Plastics.....	11
Top Front Lower Plastic	12
Top Back Lower Plastic	12
Front Cover	13
Handle Connector Plastic	14
Bottom Plastic.....	15
Back Plastic Assembly	16
Electronics.....	17
Main Board Assembly	17
Motor Driver Board.....	18
Connector Board	19
Connector Board Connections	20
Motor.....	21
Motor Plate.....	21
Power Supply.....	22
Optical Encoder Assembly	23
Throat Lights	24
Bobbin Light.....	25
Connector Board to Display Connector Board Cable	26
Motor Driver and Bobbin Winder Cables.....	27
Internal Power Cables	28
Mechanics.....	29
Hook Assembly	29
Hook Assembly Bracket	30
Handle Clamp	31
Idler Pulley Tension Plate.....	32
Idler Pulleys	32
Needle Bar	33
Press Bar.....	34
Bushing Block.....	35
Thread Take-up Assembly	36
Bushing Bearing Assembly	36
Head Bracket.....	37

19X Elite Exploded Views

Top Shaft Assembly 38

Timing Belt..... 38

Harmonic Balancer 39

Top Shaft 39

Top Shaft Pulley 40

Optical Encoder Wheel Assembly..... 40

Bottom Shaft Assembly 41

Bottom Shaft 42

Appendices 43

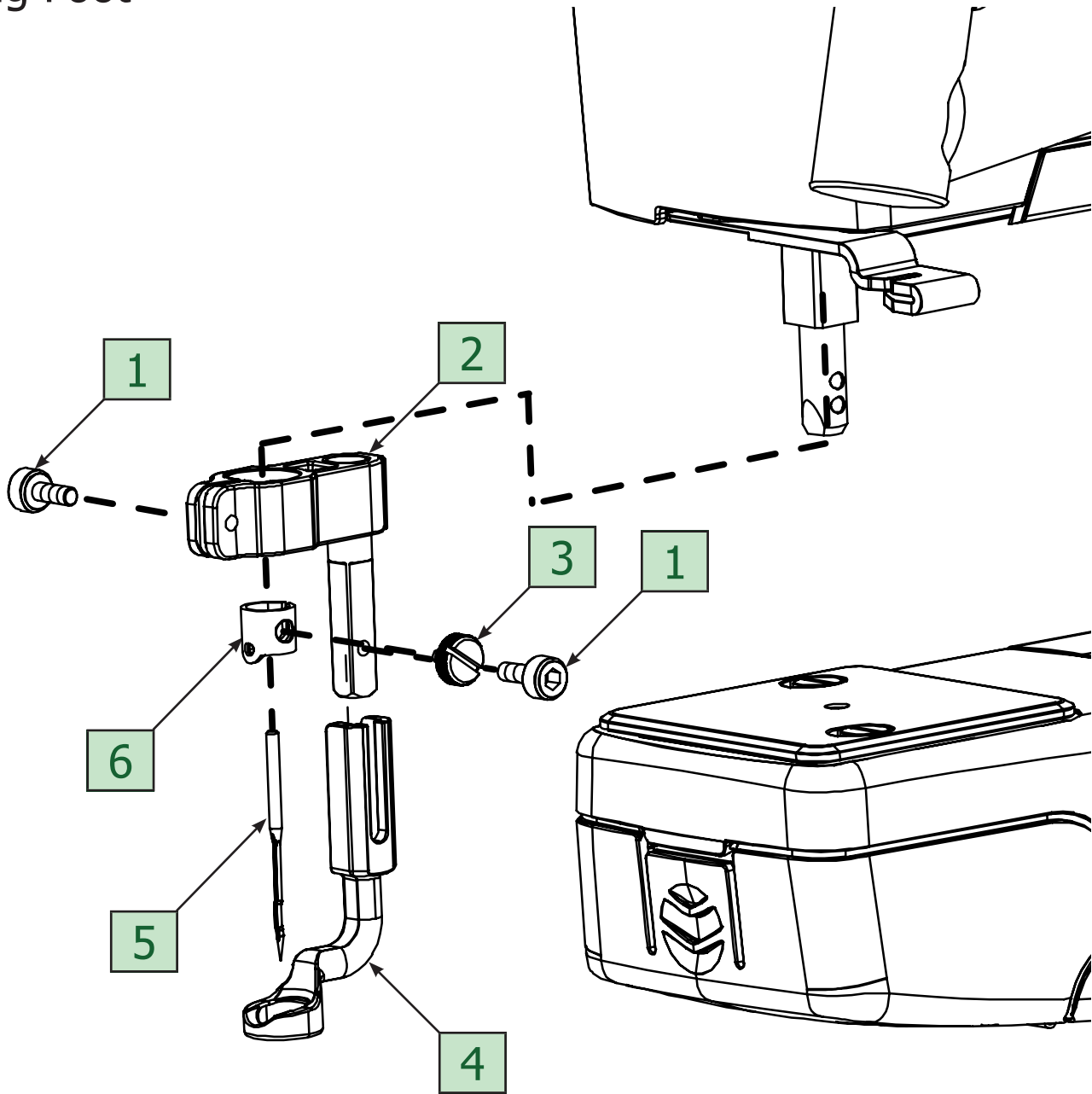
Appendix A - Torque Specifications Table 43

Internal Power Supply Cover Assembly (Plastics Only) 44

Peripherals

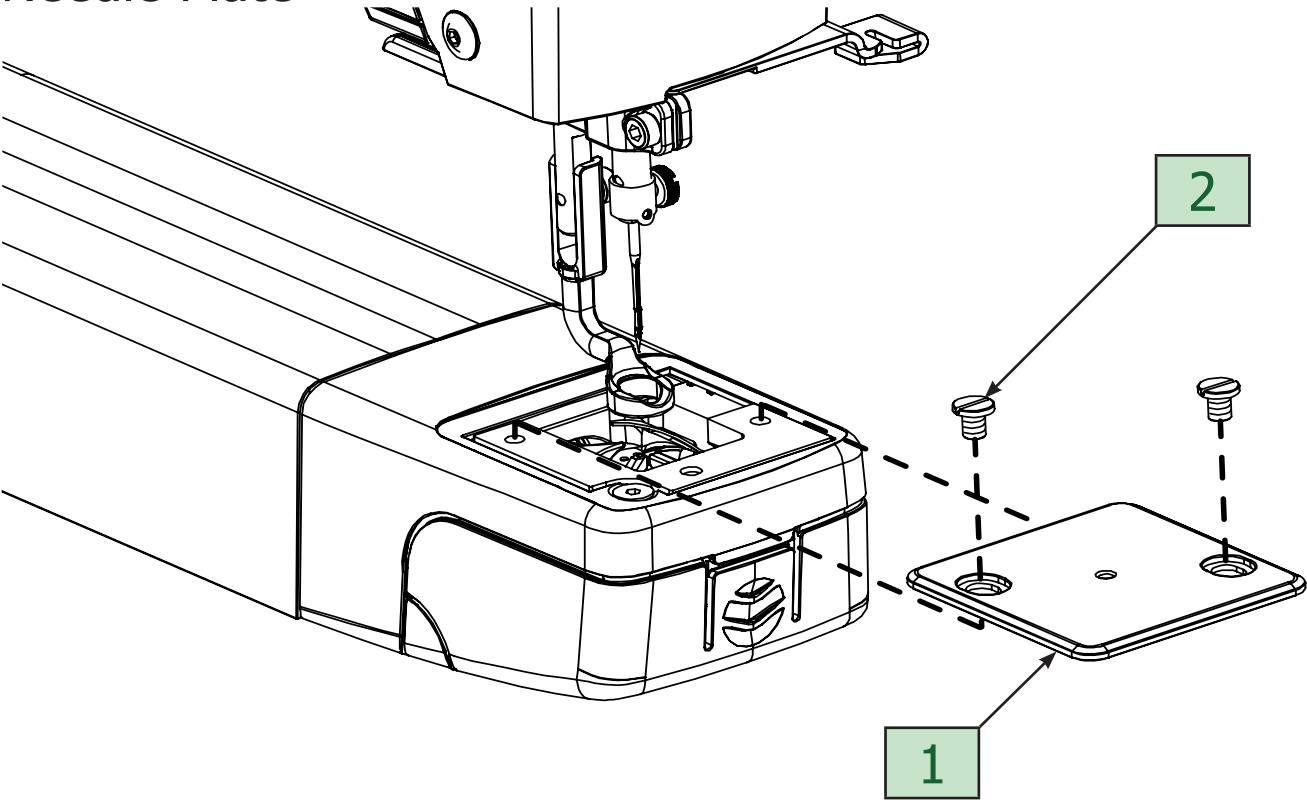
Needle

Hopping Foot

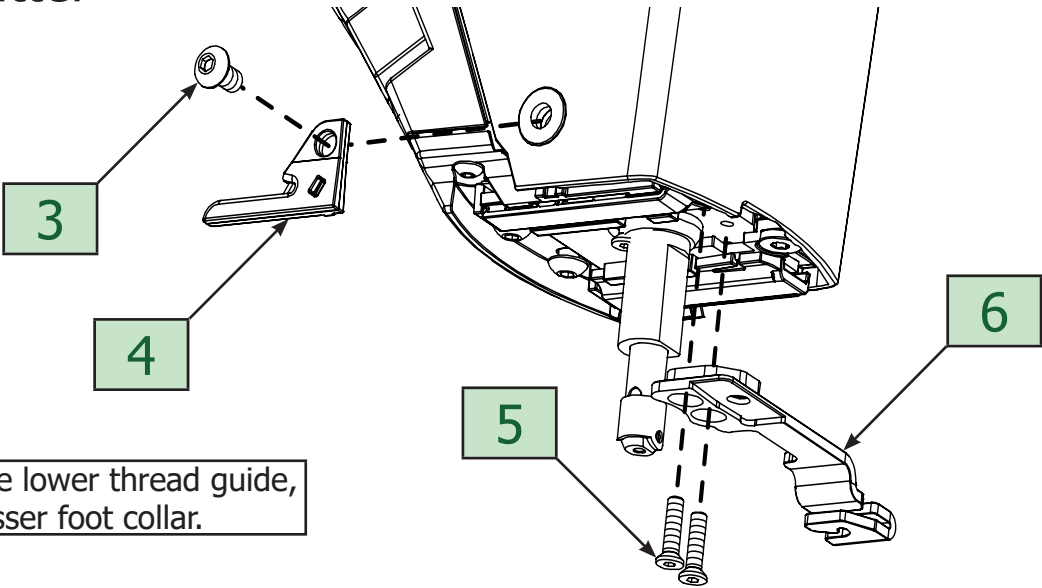


Item	QTY	Part #	Description	Serviceability
1	2	03-10966	SHCS M3 X 8mm (Hopping Foot Screw)	CU
2	1	04-14669	Presser Foot Collar v2	CU
3	1	03-15109	Slotted Thumb Screw M3 X 4mm	CU
4	1	04-10057	Standard Hopping Foot	CU
5	1	08-11144	Needle #16	CU
6	1	04-10039	Needle Bar Thread Guide	CU

Needle Plate



Lower Thread Guide
Thread Cutter

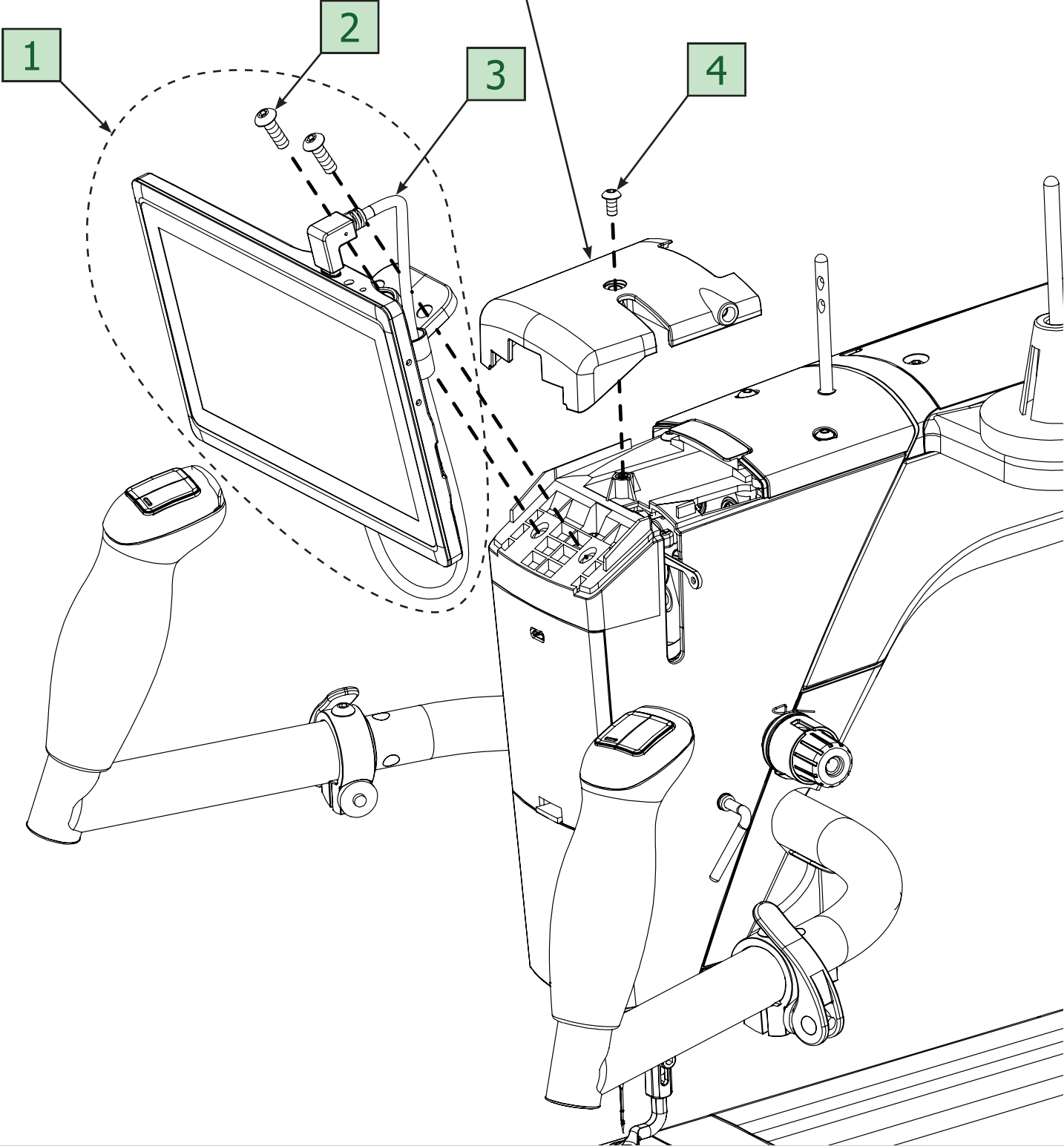


Note: To remove lower thread guide, first remove presser foot collar.

Item	QTY	Part #	Description	Serviceability
1	1	04-12070	Needle Plate	CU
2	2	03-10005	Needle Plate Screw Ø4.36 X 5.85mm	CU
3	1	03-10175	SBHCS M4 X 8mm	CU
4	1	05-16447	Thread Cutter	CU
5	2	03-14583	Socket FHS M3 X 12mm	CU
6	1	04-19230	Lower Thread Guide	CU

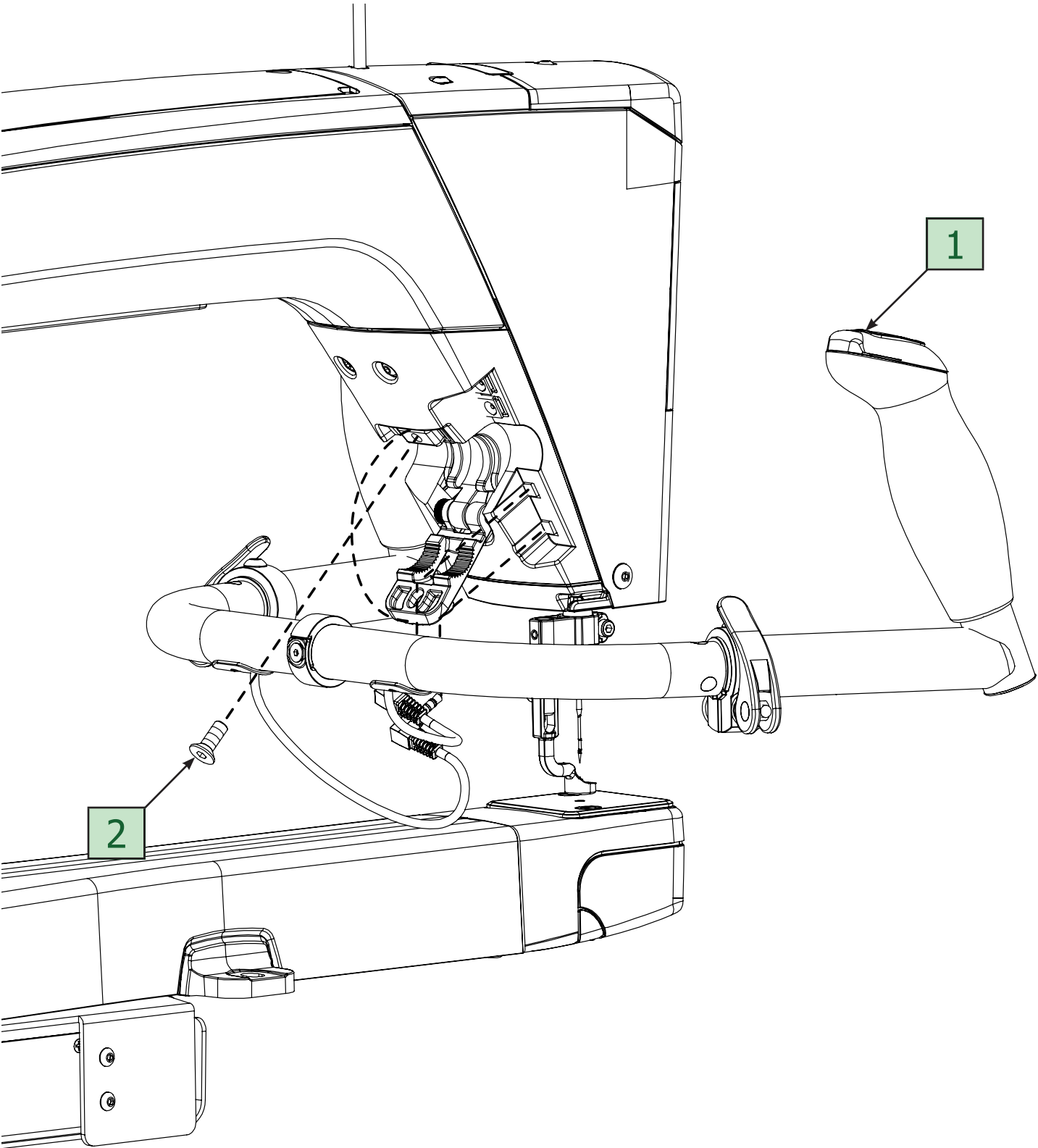
7" Display

Note: To replace display, remove display connector cover.



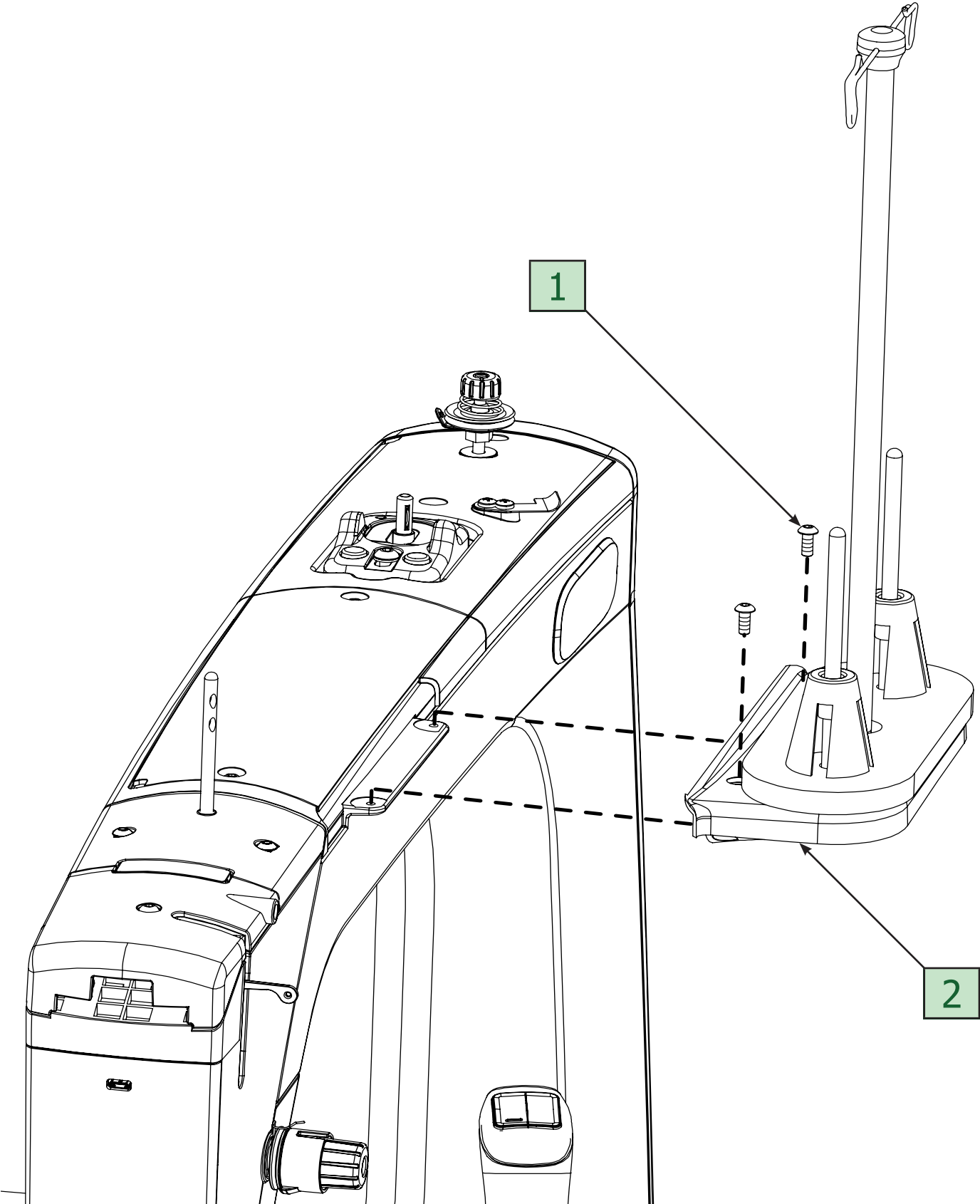
Item	QTY	Part #	Description	Serviceability
1	1	09-19447	7" Touch Display v2	CU
2	2	03-10857	SBHCS M5 X 16mm	CU
3	1	02-18854	7" Display Cable USB-C to USB-C	CU
4	1	03-10968	SBHCS M4 X 8mm	CU

Handles



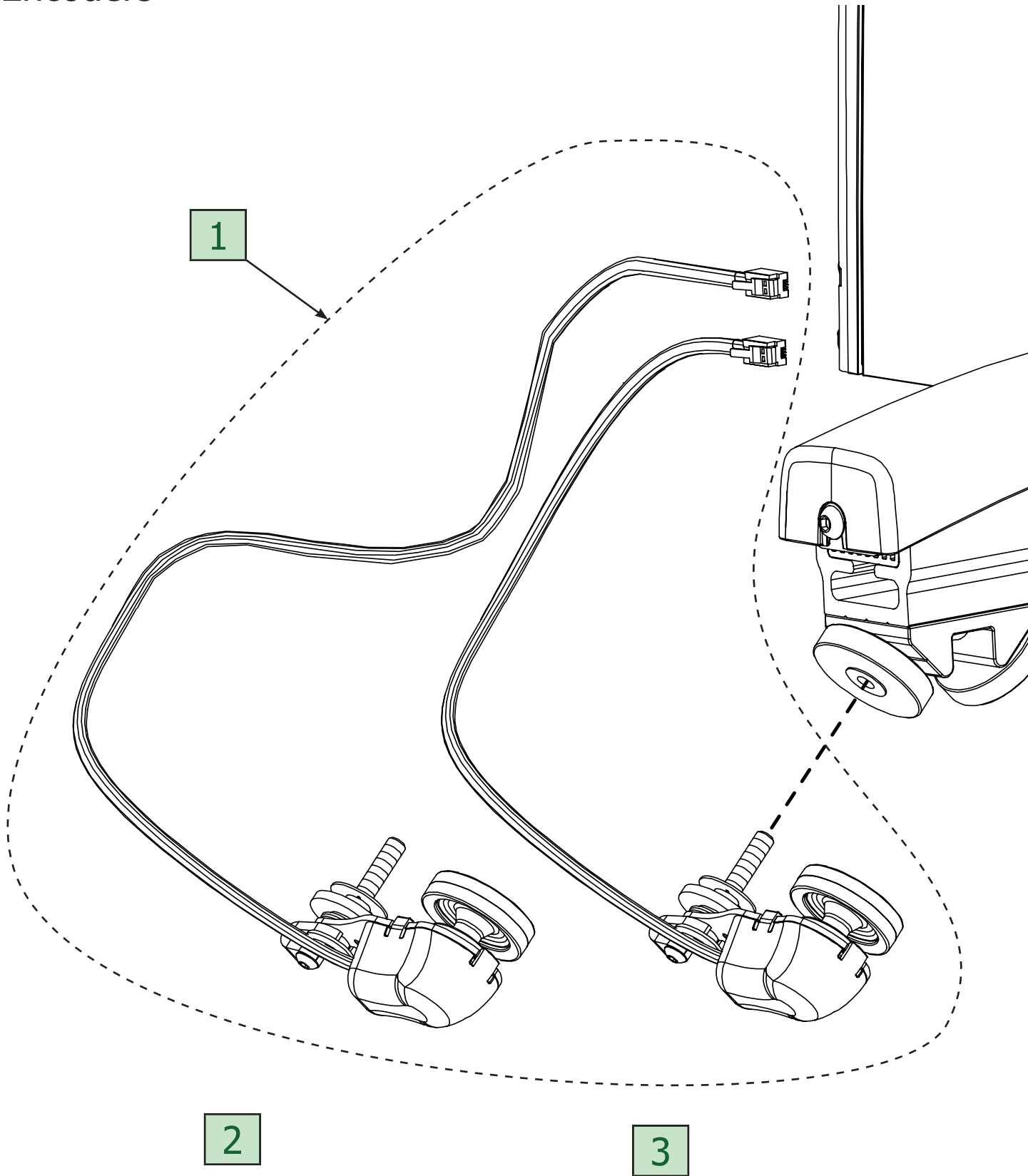
Item	QTY	Part #	Description	Serviceability
1	1	09-18927	Handle Bar Assembly v4	CU
2	2	03-16206	Socket FHS M6 X 20mm	CU

Thread Stand



Item	QTY	Part #	Description	Serviceability
1	2	03-10175	SBHCS M4 X 8mm	CU
2	1	09-16405	Thread Stand Assembly	CU

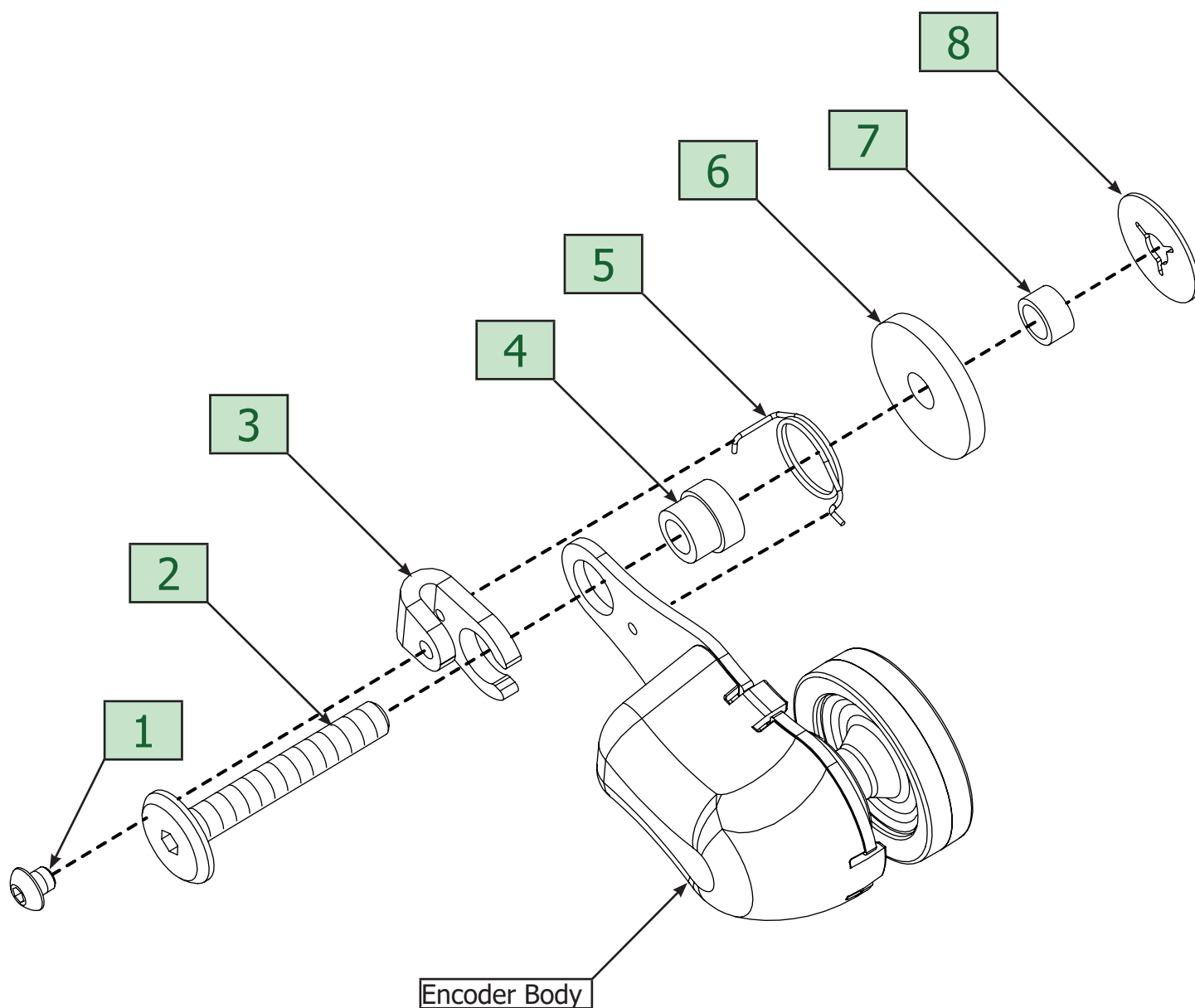
Encoders



Item	QTY	Part #	Description	Serviceability
1	1	09-15034	Encoders Box	CU
2	1	09-15700	Lower Encoder v5	CU
3	1	09-15701	Upper Encoder v5	CU

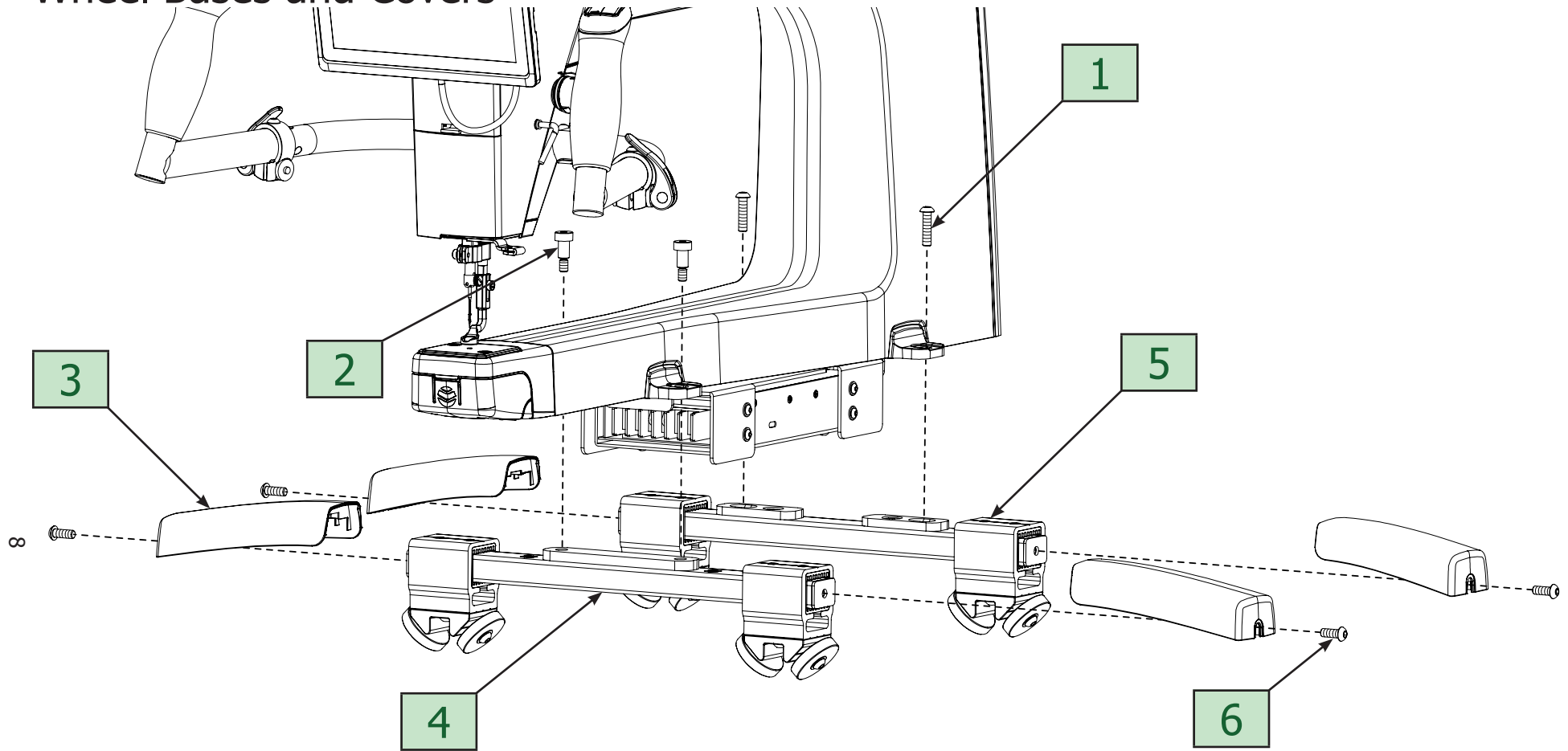
Encoder Parts

*Note - Cables not shown.



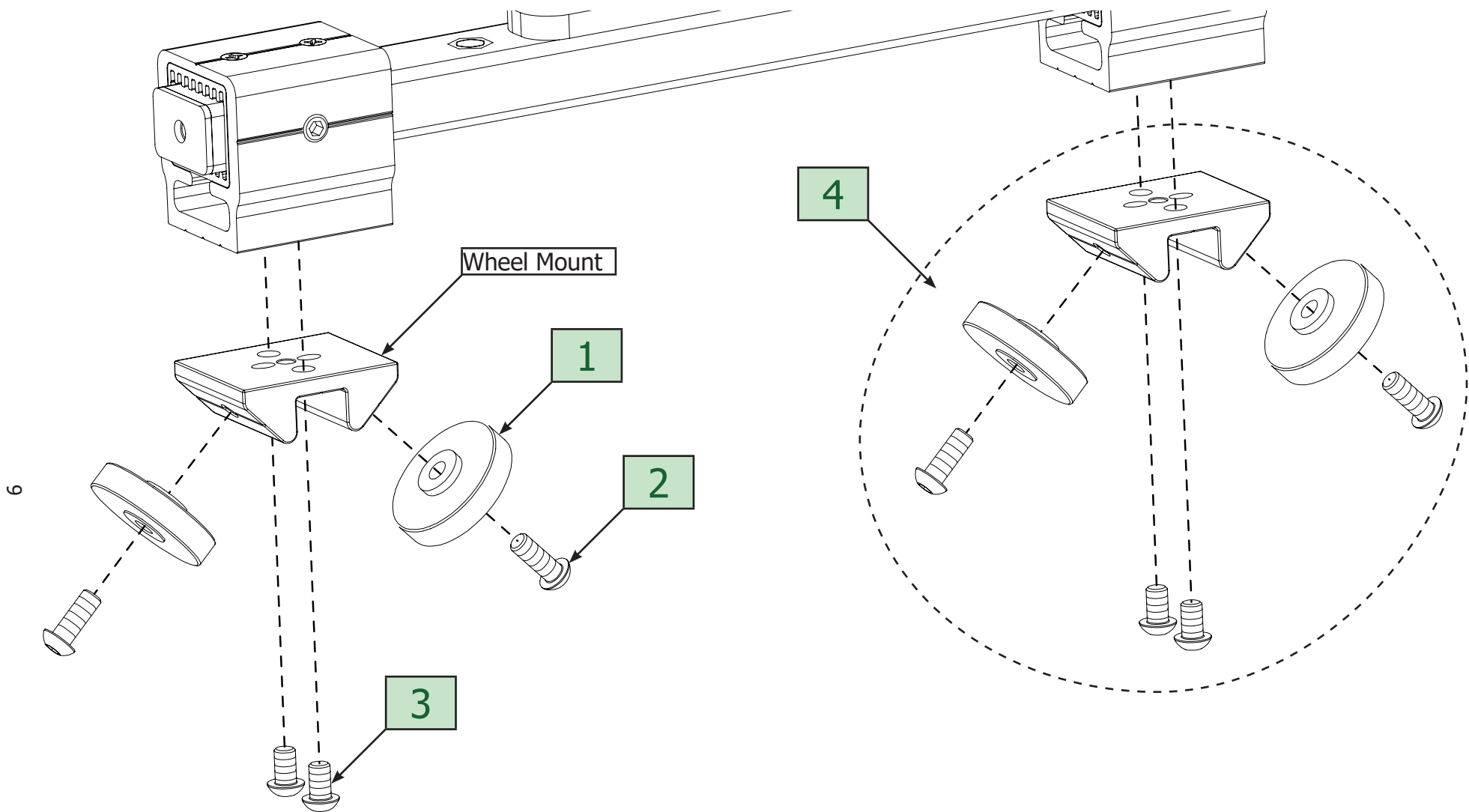
Item	QTY	Part #	Description	Serviceability
1	1	03-11602	SBHCS M4 X 4mm	CU
2	1	03-14354	Connector Bolt M6 X 40mm	CU
3	1	04-11263	Encoder Disk Brake Collar	CU
4	1	03-10988	Encoder Spacer	CU
5	1	03-10671	Encoder Torsion Spring (Black) (for lower encoder) or	CU
5	1	03-10216	Encoder Torsion Spring (Silver) (for upper encoder)	CU
6	1	03-10979	Washer M6, Wide	CU
7	1	03-11258	Wheel Spacer	CU
8	1	05-11461	Plastic Retaining Washer M6	CU
	1	02-10605	Encoder Cable, 550 L (for lower encoder) or	CU
	1	02-10606	Encoder Cable, 300 L (for upper encoder)	CU

Wheel Bases and Covers



Item	QTY	Part #	Description	Serviceability
1	2	03-10215	SBHCS M6 X 25mm	CU
2	2	03-12292	Shoulder Bolt 8 X 13mm, M6	CU
3	1	09-19448	Wheel Base Covers (box of 4)	CU
4	1	09-14386	Front Wheel Base Assembly	CU
5	1	09-14385	Back Wheel Base Assembly	CU
6	4	03-10974	SBHCS M6 X 16mm	CU

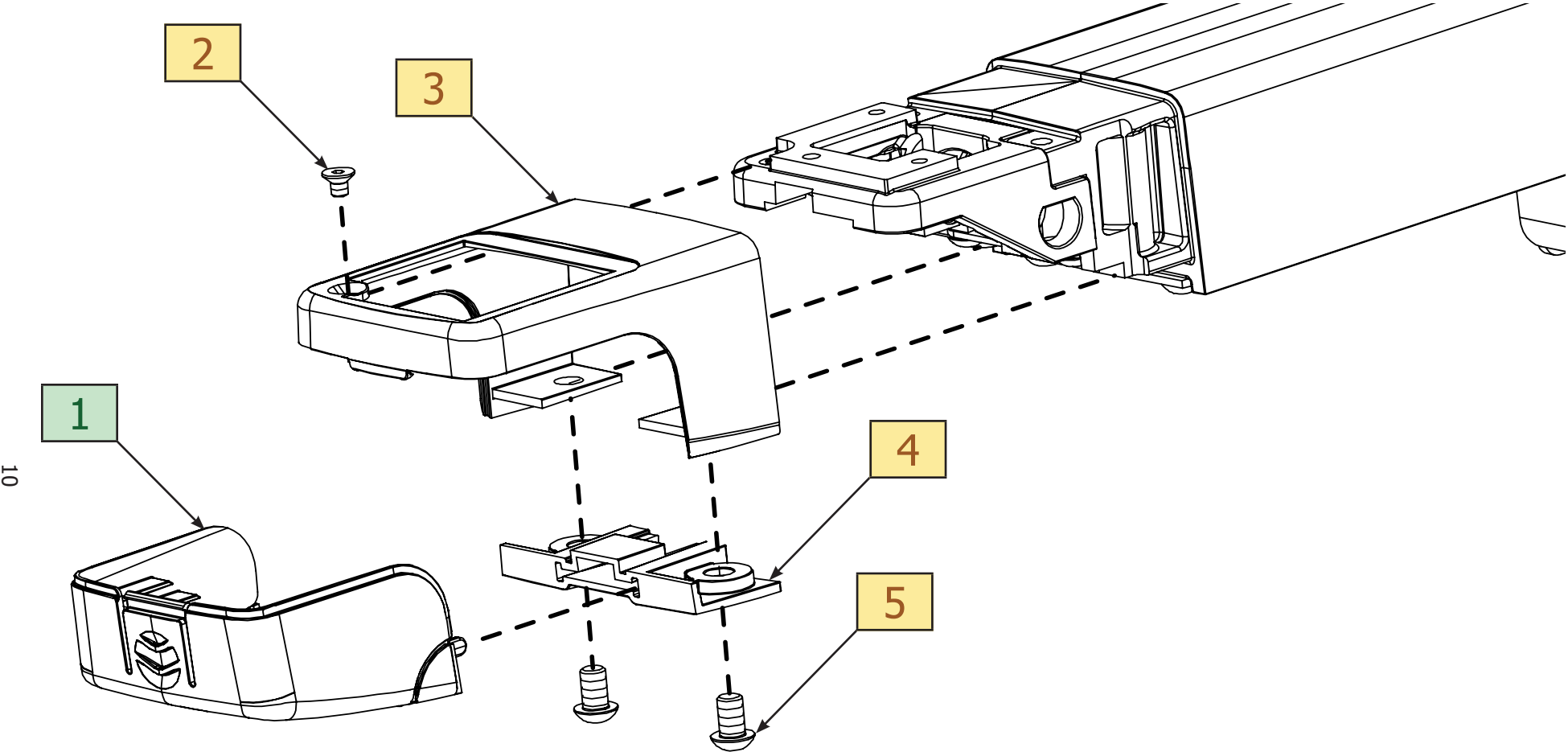
Dual Wheel Mount Assembly



Item	QTY	Part #	Description	Serviceability
1	4	03-10126	Wheel Bearing	CU
2	4	03-10974	SBHCS M6 X 16mm (Socket Button Head Cap Screw)	CU
3	4	03-10124	SBHCS M6 X 10mm (Socket Button Head Cap Screw)	CU
4	2	09-13484	Dual Wheel Mount Assembly	CU

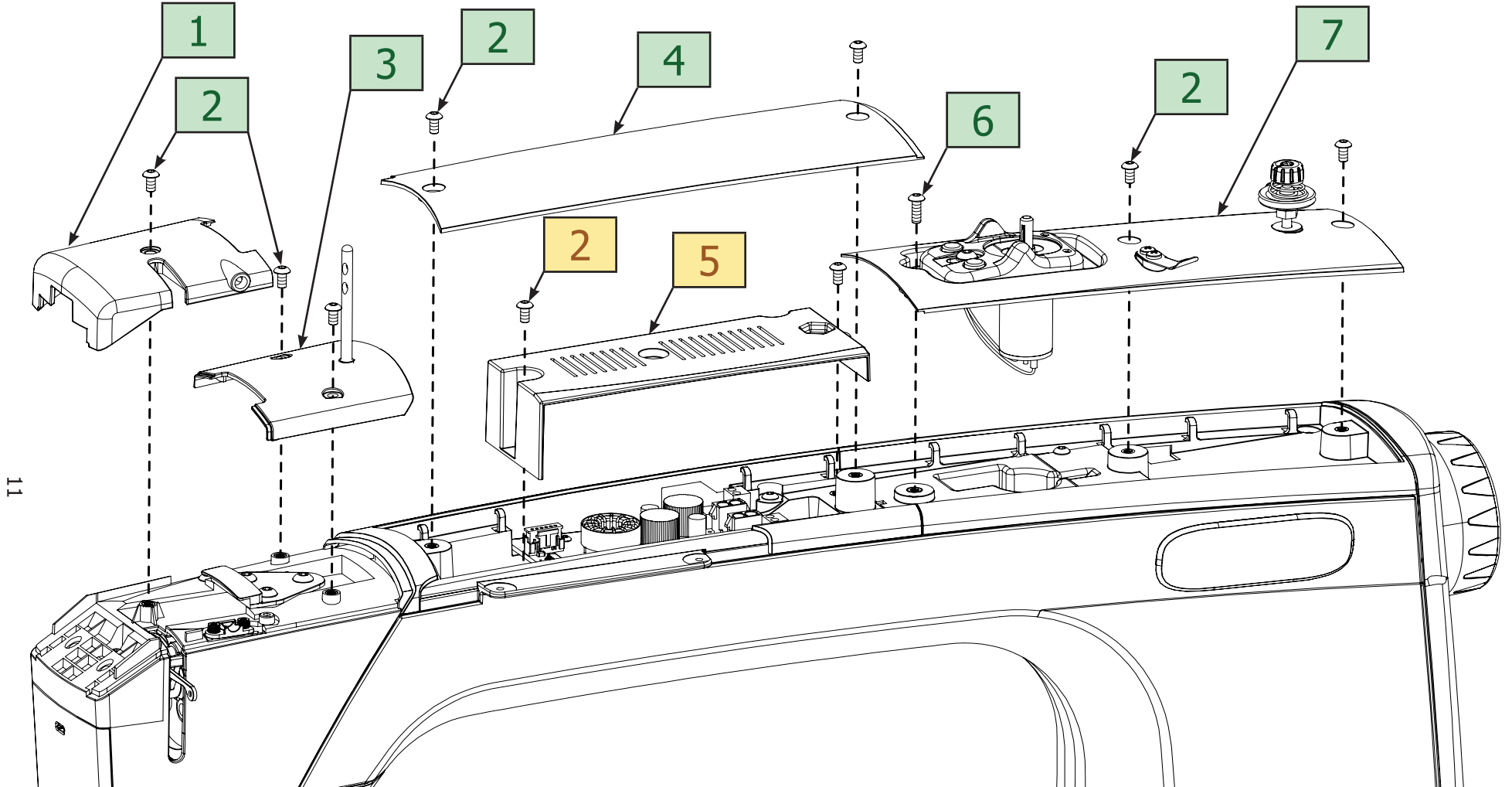
Plastics

Bobbin Area Covers



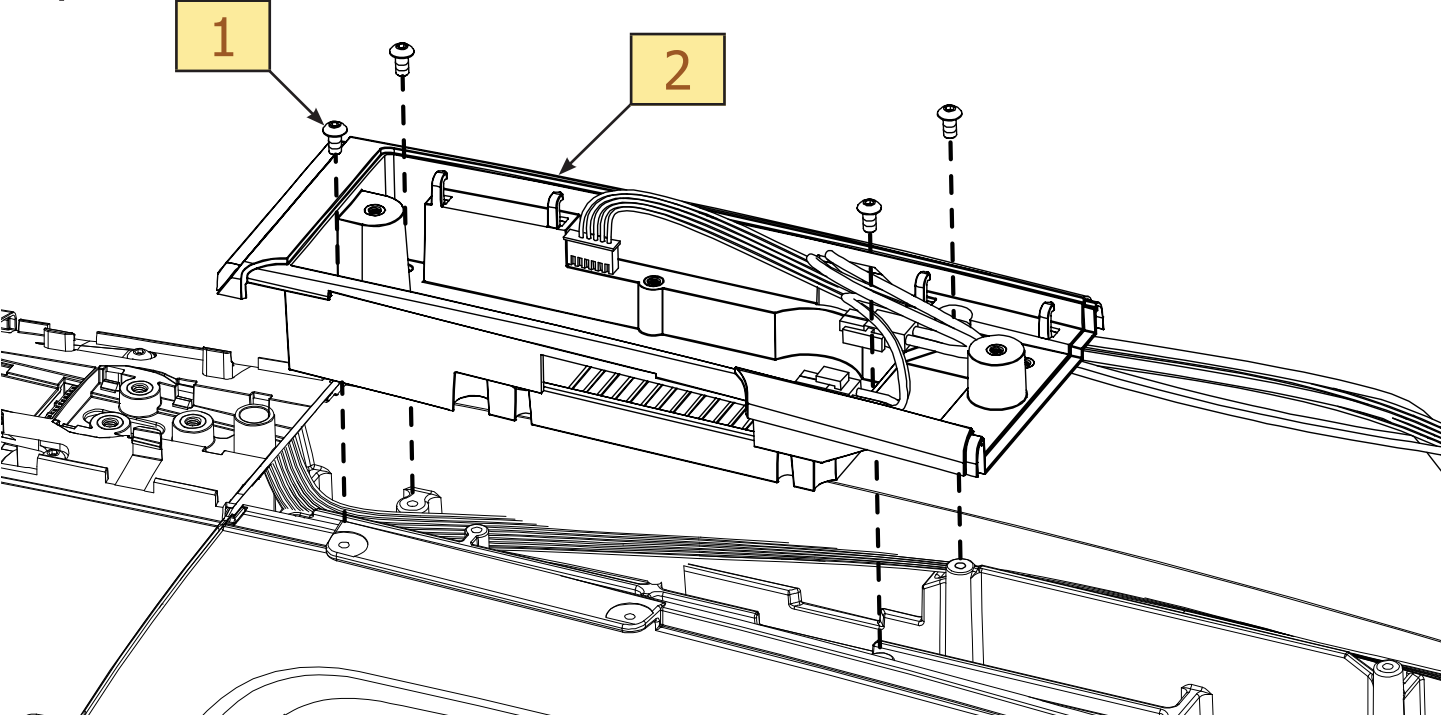
Item	QTY	Part #	Description	Serviceability
1	1	09-16400	Bobbin Cover Assembly	CU
2	1	03-12190	Socket FHS M4 X 6mm	DE
3	1	05-16379	Bobbin Area Cover	DE
4	1	05-16381	Female Bobbin Cover Clip	DE
5	2	03-10124	SBHCS M6 X 10mm	DE

Top Upper Plastics

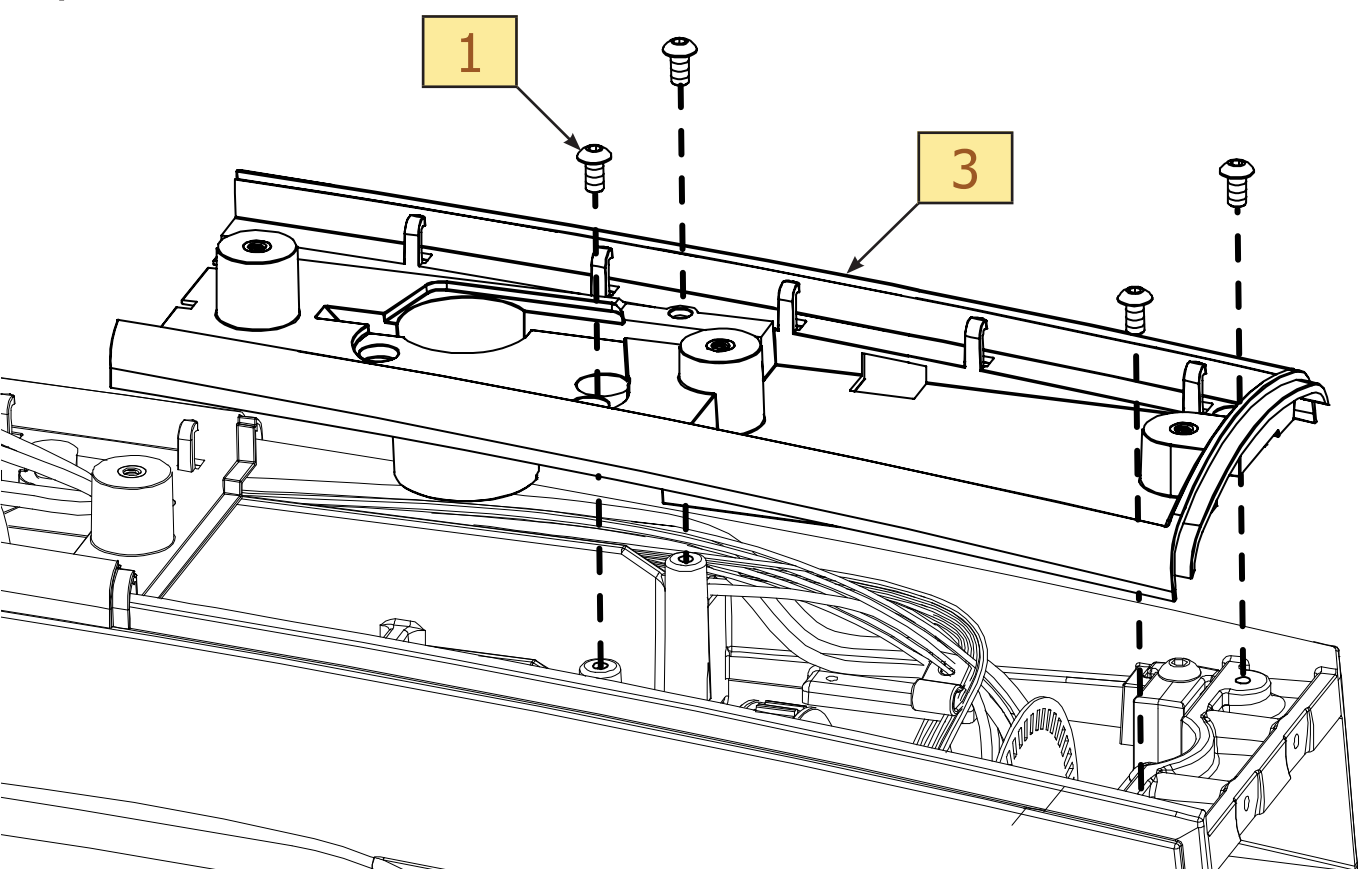


Item	QTY	Part #	Description	Serviceability
1	1	09-16081	Display Connector Cover Assembly	CU
2	9	03-10968	SBHCS M4 X 8mm	CU
3	1	09-16296	QCT Back Cover Assembly	CU
4	1	09-16390	Top Front Upper Plastic	CU
5	1	05-12105	MDB Cover	DE
6	1	03-14247	SBHCS M4 X 12mm	CU
7	1	09-16394	Top Back Upper Assembly	CU

Top Front Lower Plastic

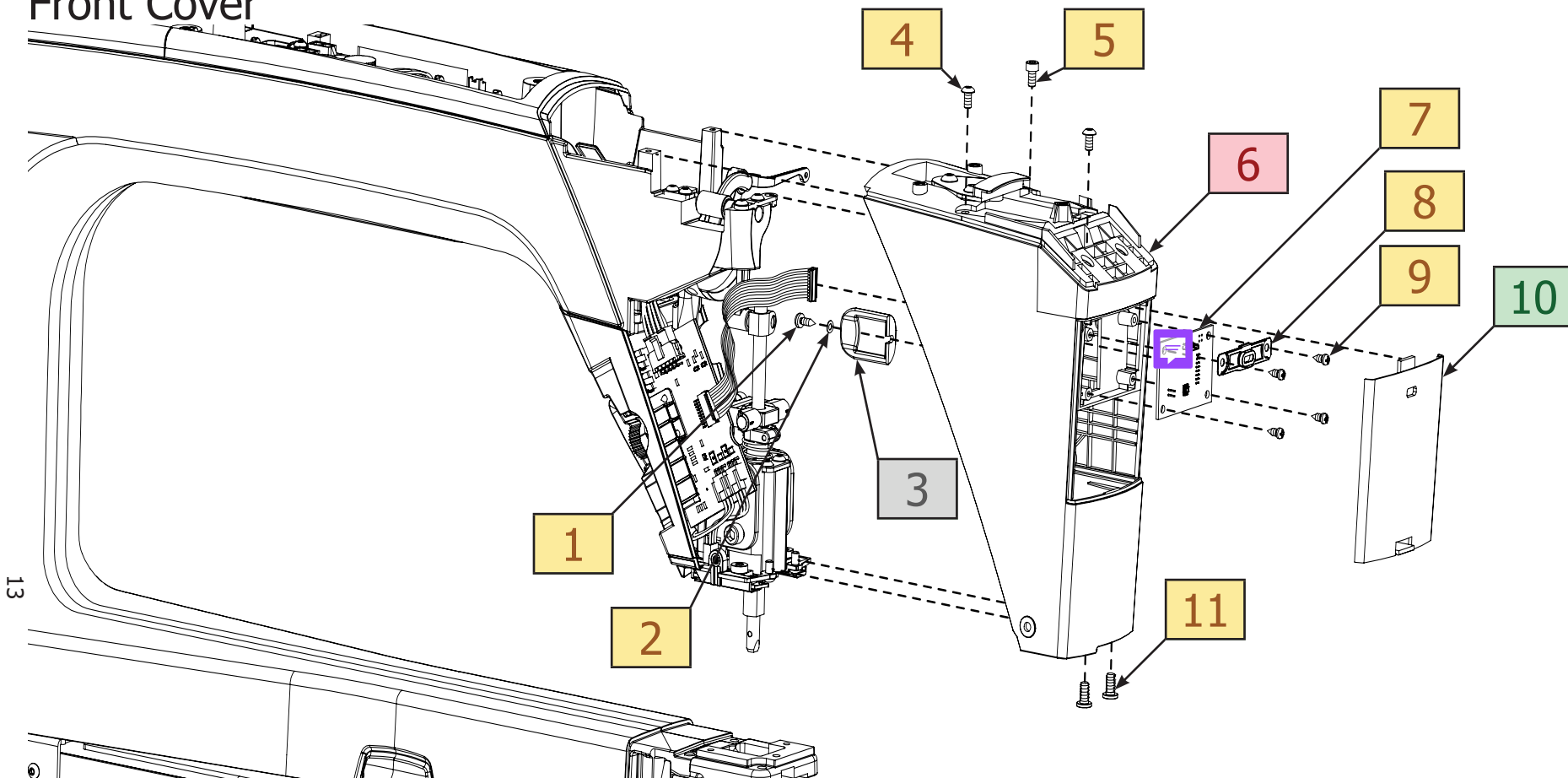


Top Back Lower Plastic



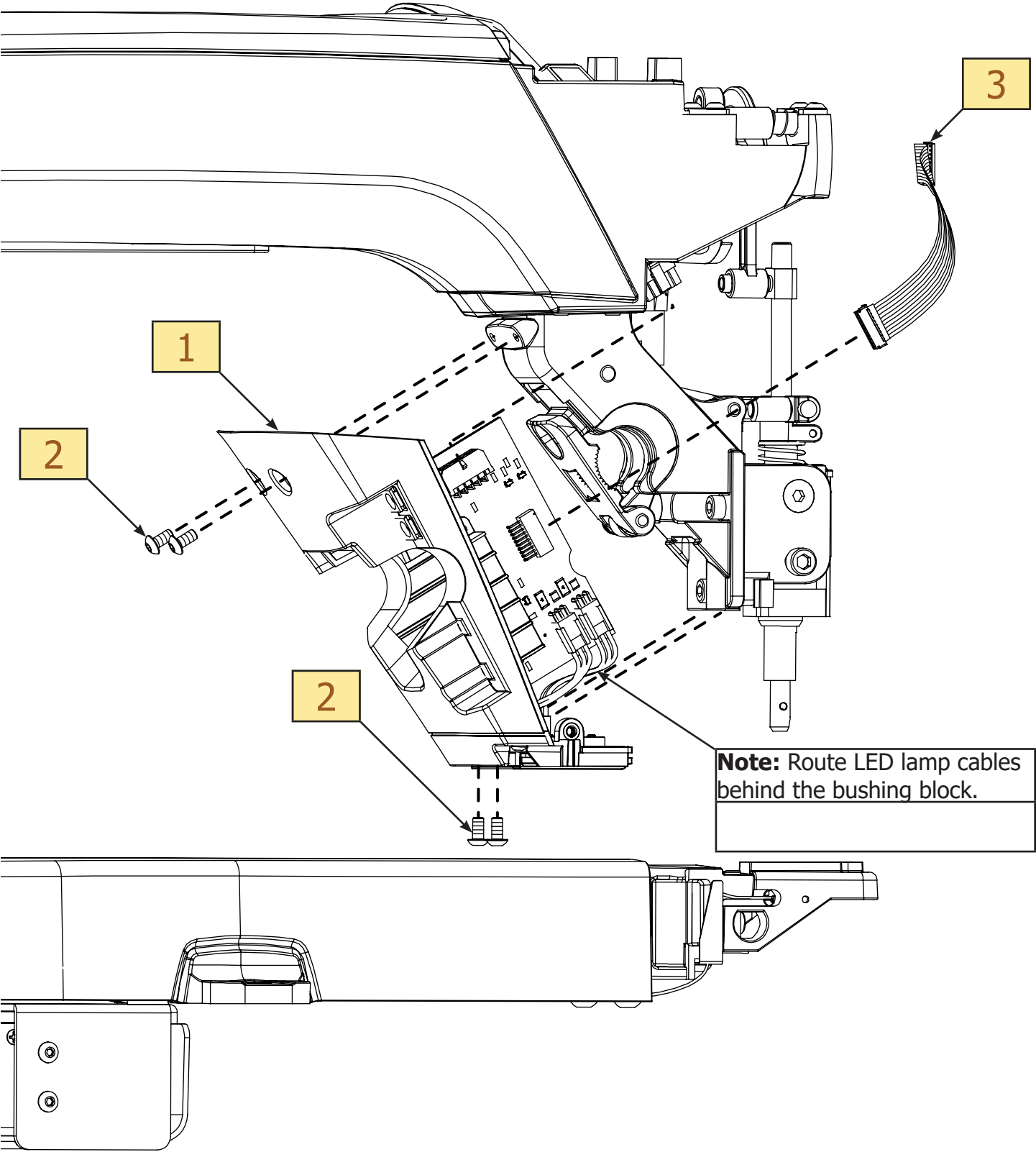
Item	QTY	Part #	Description	Serviceability
1	4	03-10175	SBHCS M4 X 8mm	DE
2	1	05-16595	Top Front Lower	DE
3	1	05-16384	Top Back Lower	DE

Front Cover



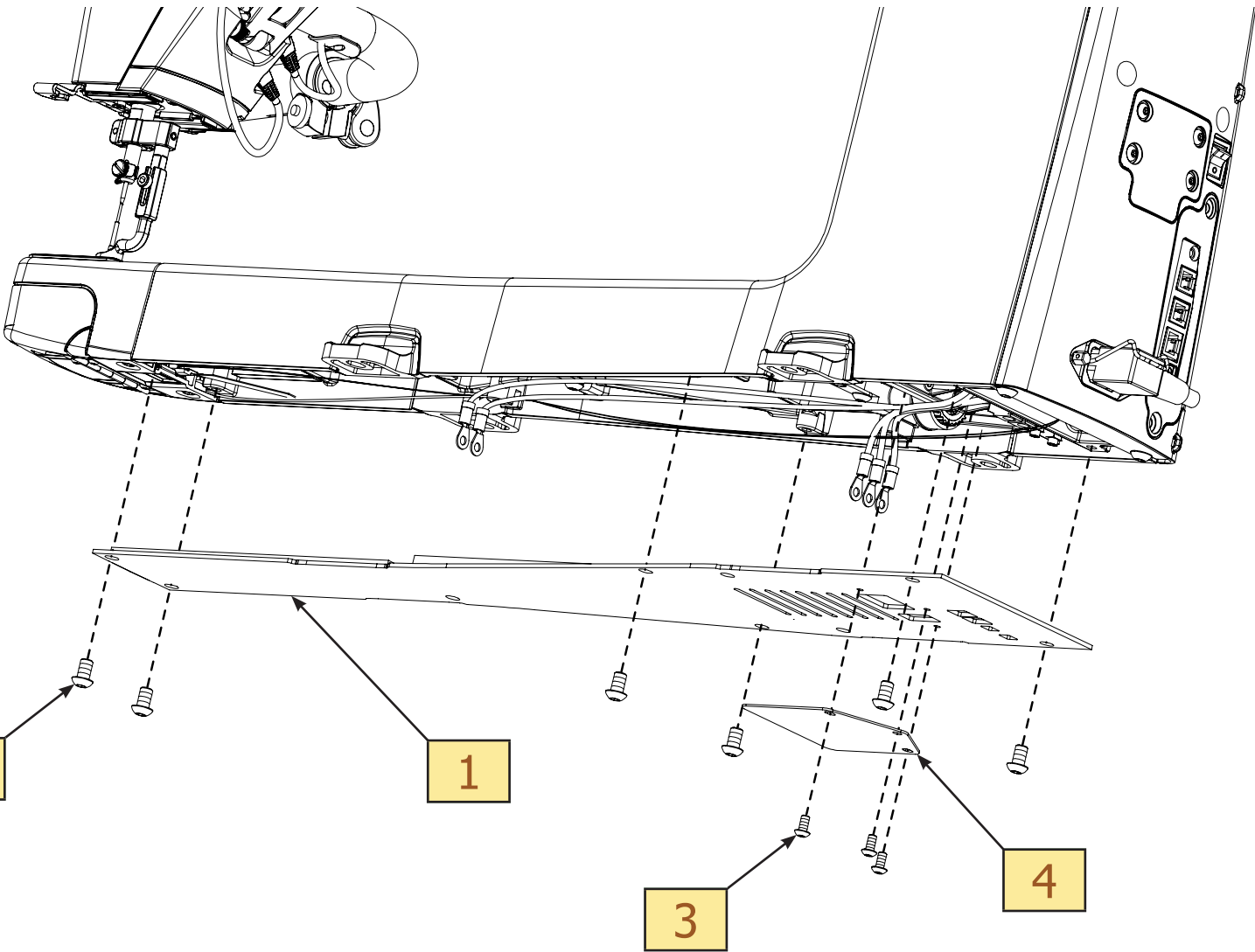
Item	QTY	Part #	Description	Serviceability
1	1	03-10270	Phillips PHSMS M3 X 8mm (Pan Head Sheet Metal Screw)	DE
2	1	03-19417	Washer 3 ID X 6 OD X 0.3mm T	DE
3	1	05-16060	Display Cable Guide	DE
4	2	03-10175	SBHCS M4 X 8mm	DE
5	1	03-12208	SHCS M4 X 8mm	DE
6	1	09-16391	Front Cover Assembly	DE
7	1	02-16027	Front Display Board	DE
8	1	05-19416	Front USB Insert	DE
9	4	03-12263	Phillips PHSMS M3 X 6mm (Pan Head Sheet Metal Screw)	DE
10	1	05-16083	Display Board Cover	CU
11	2	03-19458	Ultra Low Profile SHCS M5 X 10mm	DE

Handle Connector Plastic



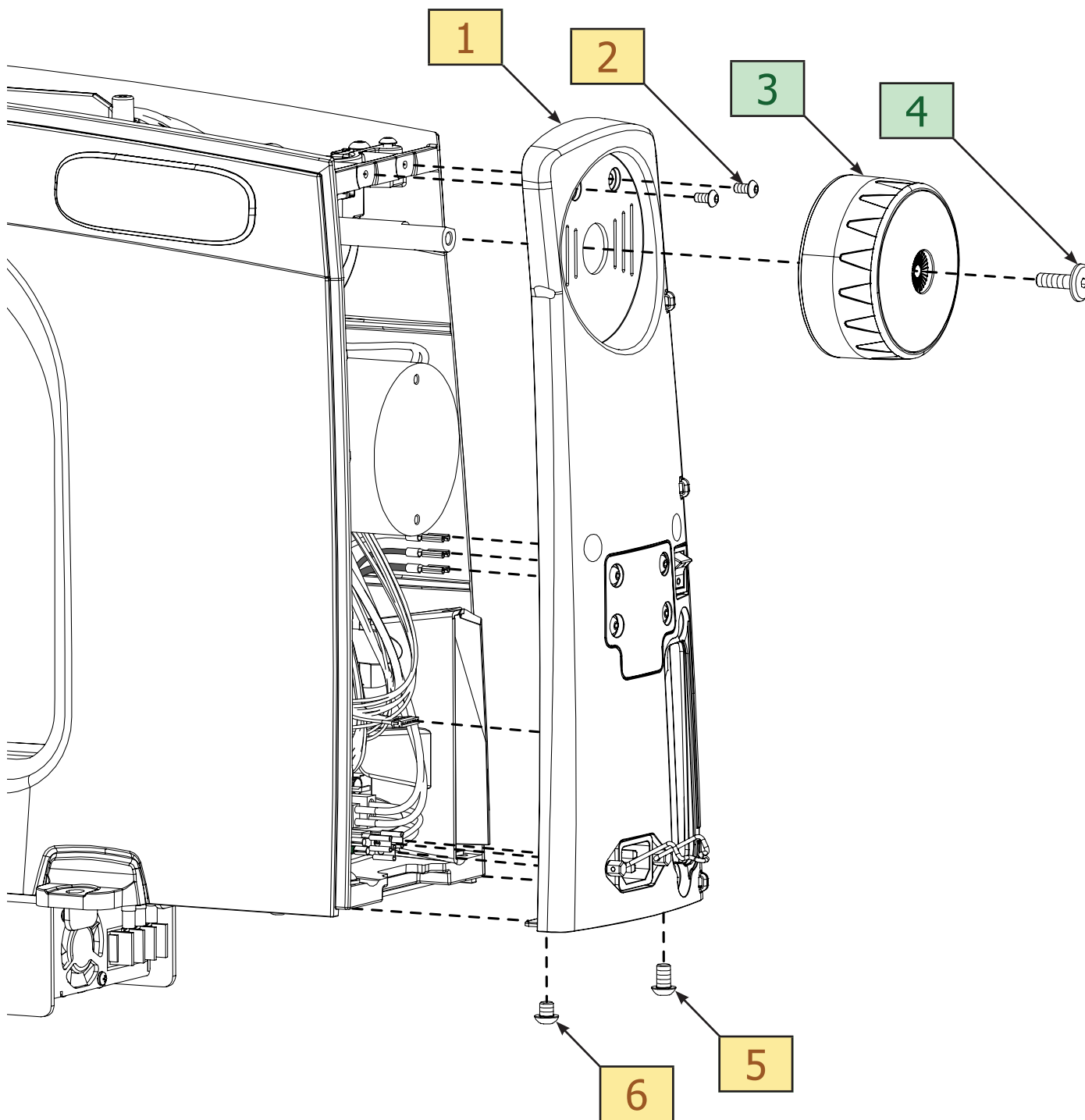
Item	QTY	Part #	Description	Serviceability
1	1	09-16396	Handle Connector Plastics Assembly	DE
2	4	03-10175	SBHCS M4 X 8mm	DE
3	1	02-16261	Display Board Cable	DE

Bottom Plastic



Item	QTY	Part #	Description	Serviceability
1	1	09-16564	Bottom Plastic with Foam	DE
2	6	03-10124	SBHCS M6 X 10mm	DE
3	1	03-10175	SBHCS M4 X 8mm	DE
4	1	05-16303	Power Supply Cable Cover	DE

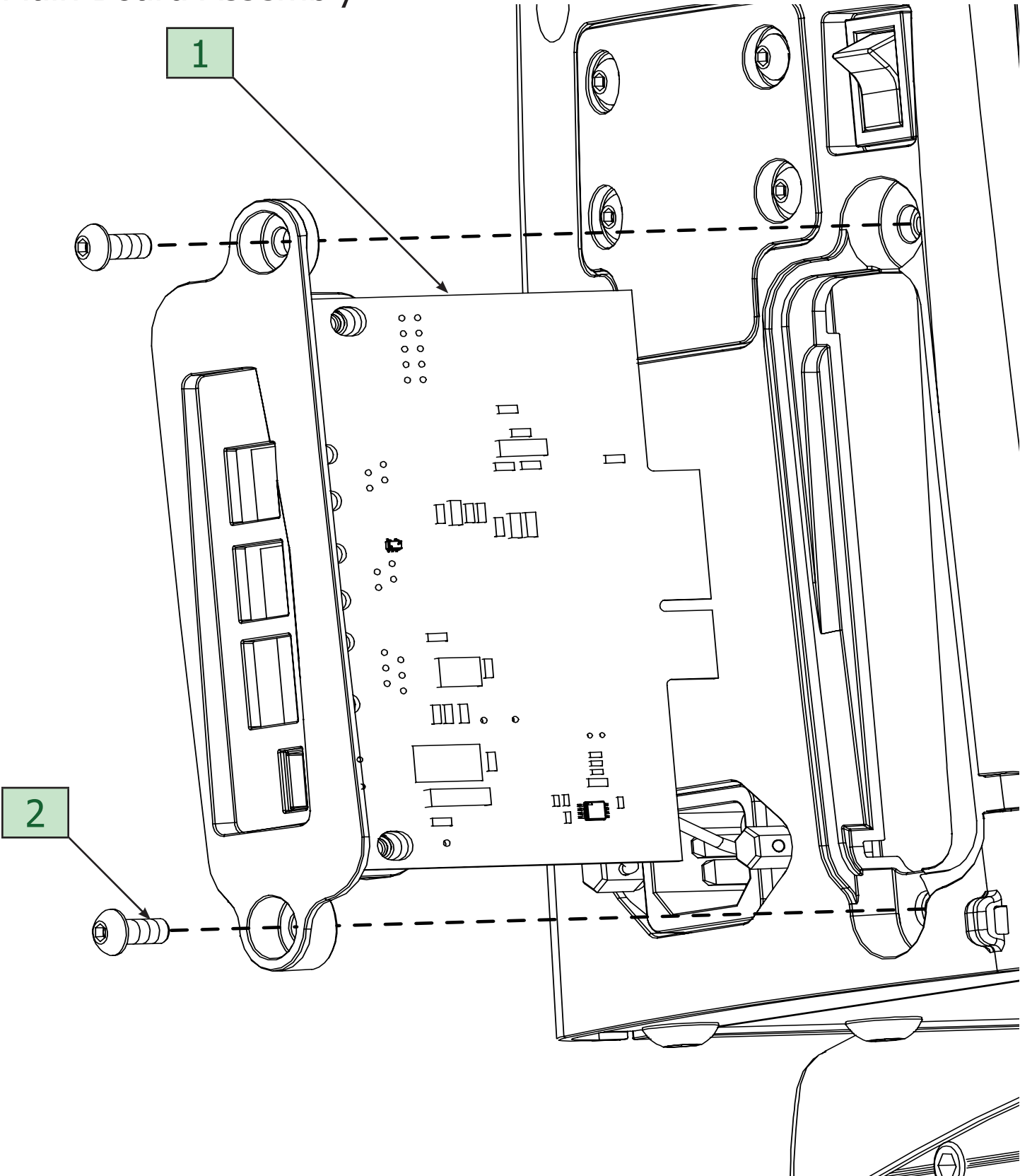
Back Plastic Assembly



Item	QTY	Part #	Description	Serviceability
1	1	09-16078	Back Plastic Assembly	DE
2	2	03-10175	SBHCS M4 X 8mm	DE
3	1	05-19236	Handwheel v2	CU
4	1	03-10975	Connector Bolt M6 x 20mm	CU
5	1	03-10124	SBHCS M6 X 10mm	DE
6	1	03-11981	SBHCS M6 X 6mm	DE

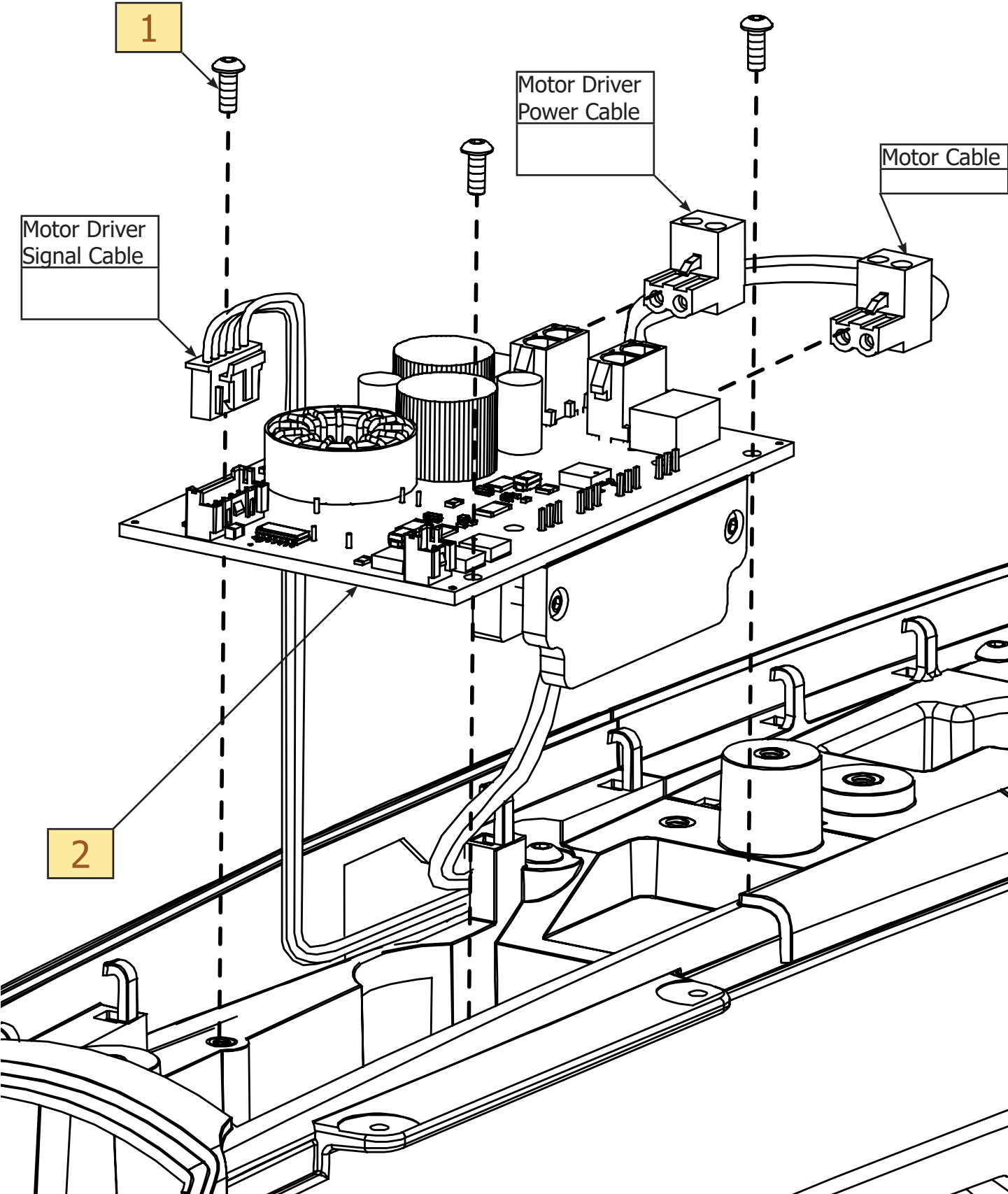
Electronics

Main Board Assembly



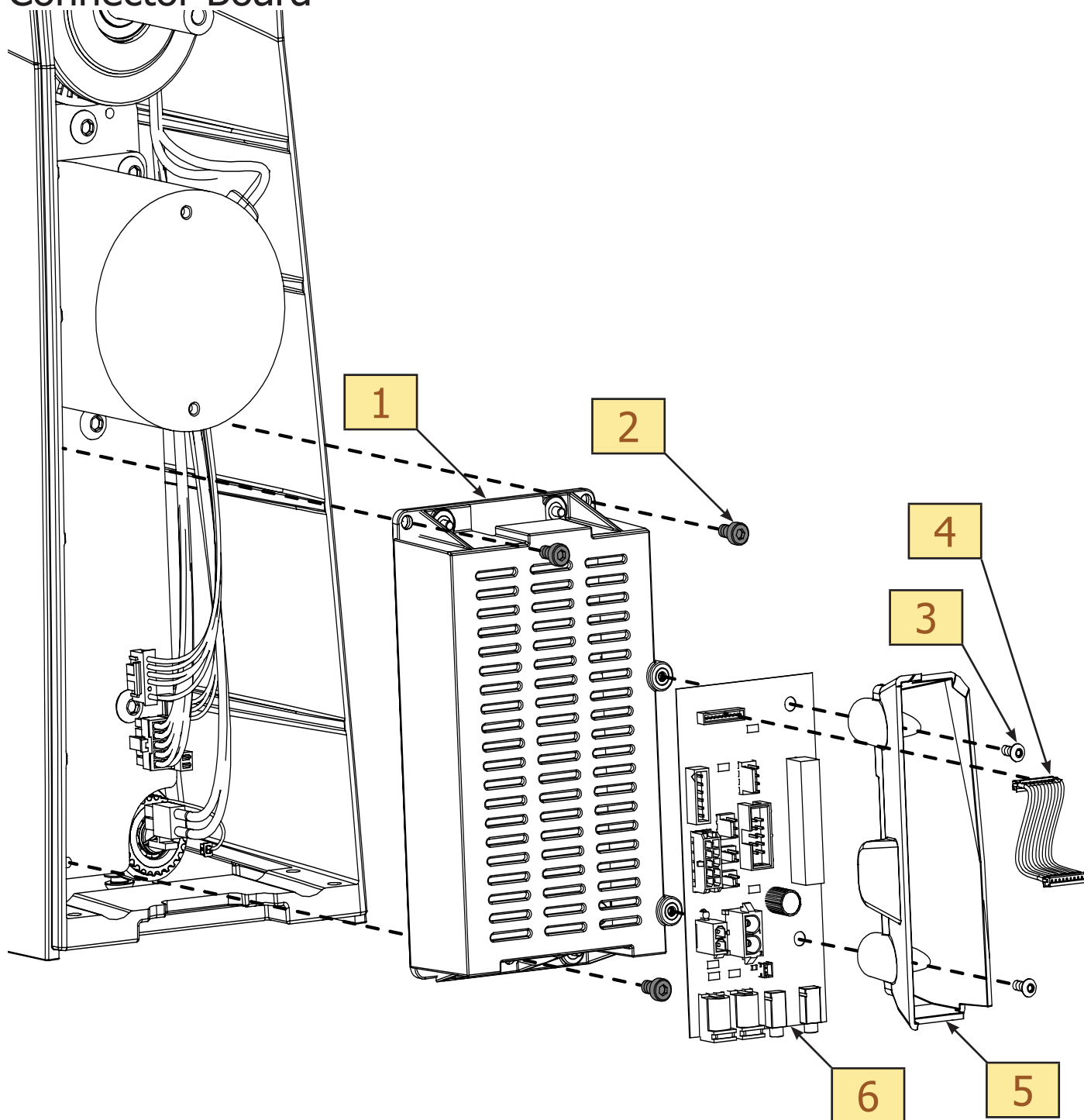
Item	QTY	Part #	Description	Serviceability
1	1	09-16072	Main Board Assembly	CU
2	2	03-10175	SBHCS M4 X 8mm	CU

Motor Driver Board



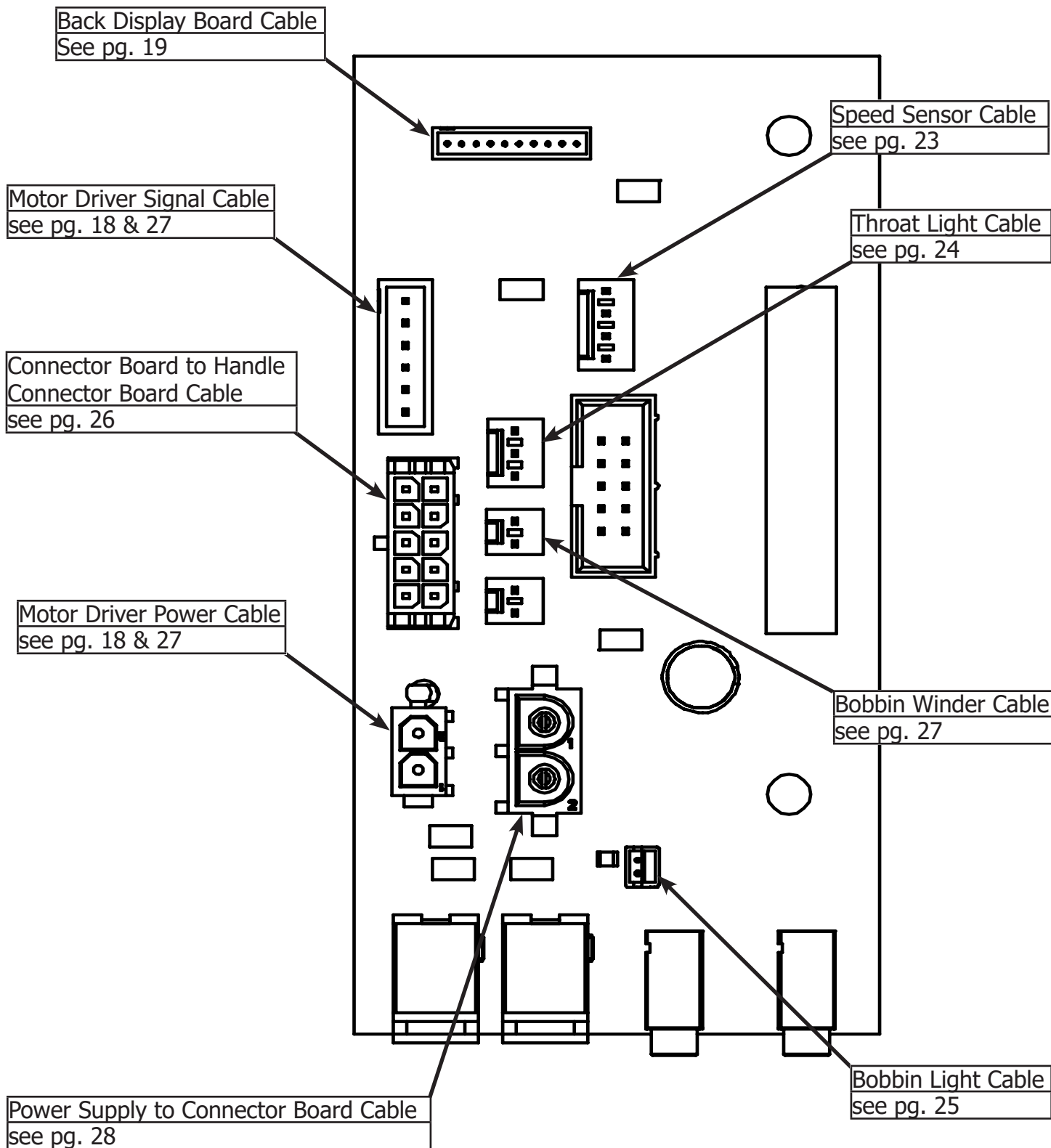
Item	QTY	Part #	Description	Serviceability
1	3	03-14003	SBHCS M3 X 8mm	DE
2	1	09-14161	Motor Driver Board Assembly	DE

Connector Board



Item	QTY	Part #	Description	Serviceability
1	1	09-16465	Internal Power Supply Cover Assembly	DE
2	3	03-12813	SHCS M4 X 10mm	DE
3	2	03-11199	SBHCS M3 X 10mm	DE
4	1	02-16261	Display Board Cable	DE
5	1	05-12111	Back Connector Board Guide	DE
6	1	02-19216	Connector Board v2	DE

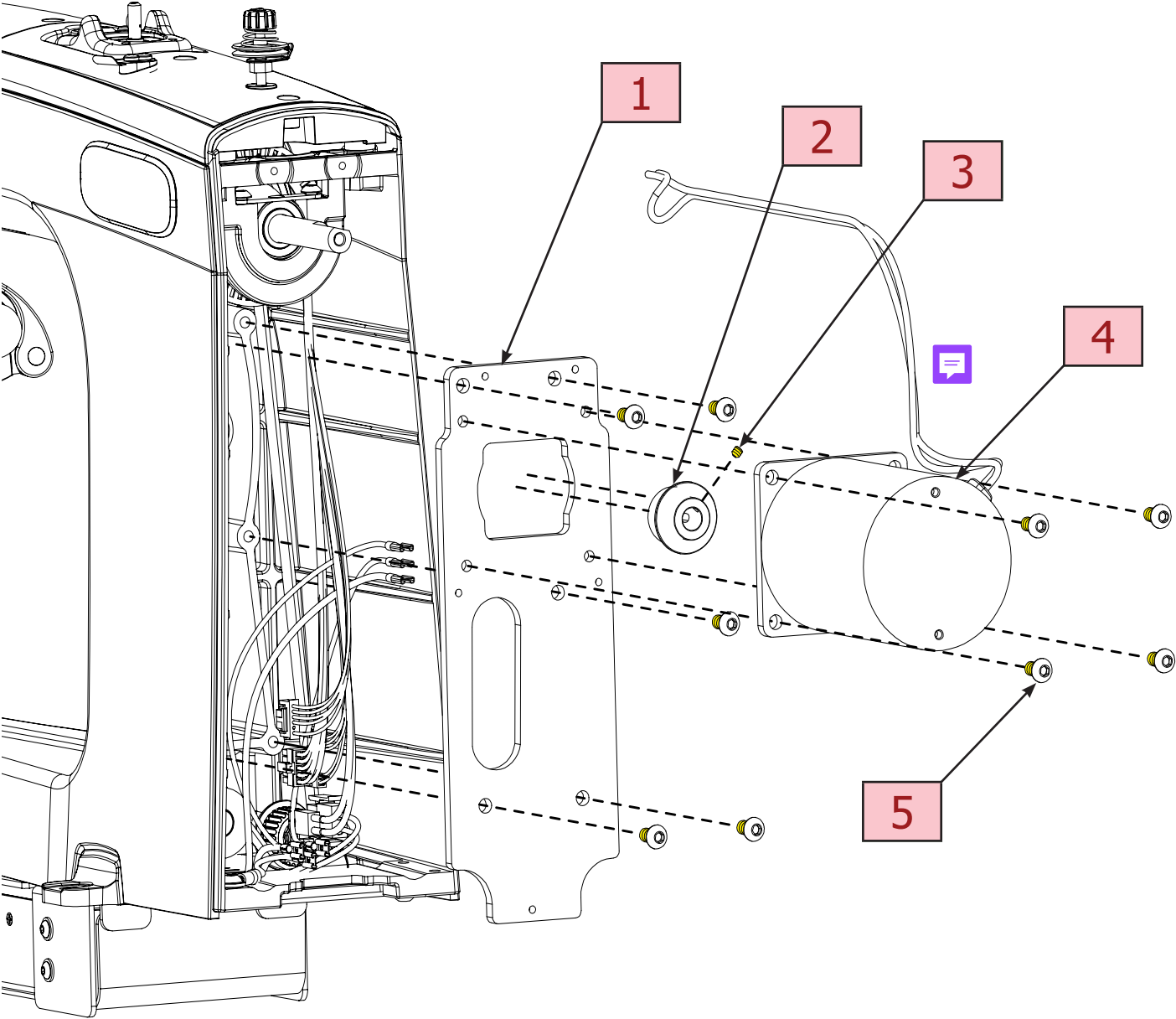
Connector Board Connections



Motor

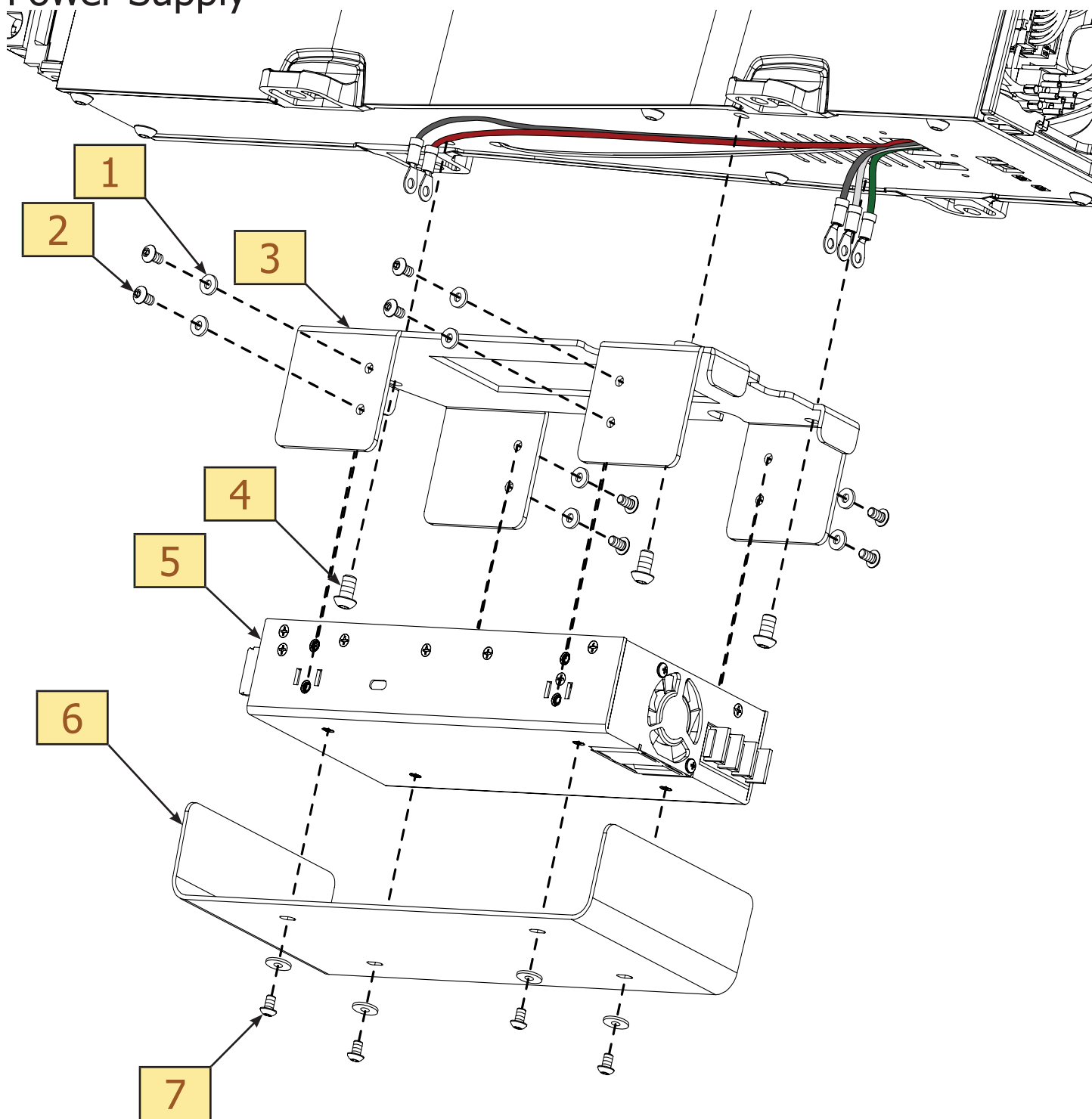
Motor Plate

Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	04-16418	Motor Plate v2	DI
2	1	05-14172	HTD Motor Timing Belt Pulley	DI
3	1	03-10016	Socket Set Screw M4 x 4mm	DI
4	1	02-19265	DC Motor 36V	DI
5	9	03-10744	SBHCS M6 x 12mm	DI

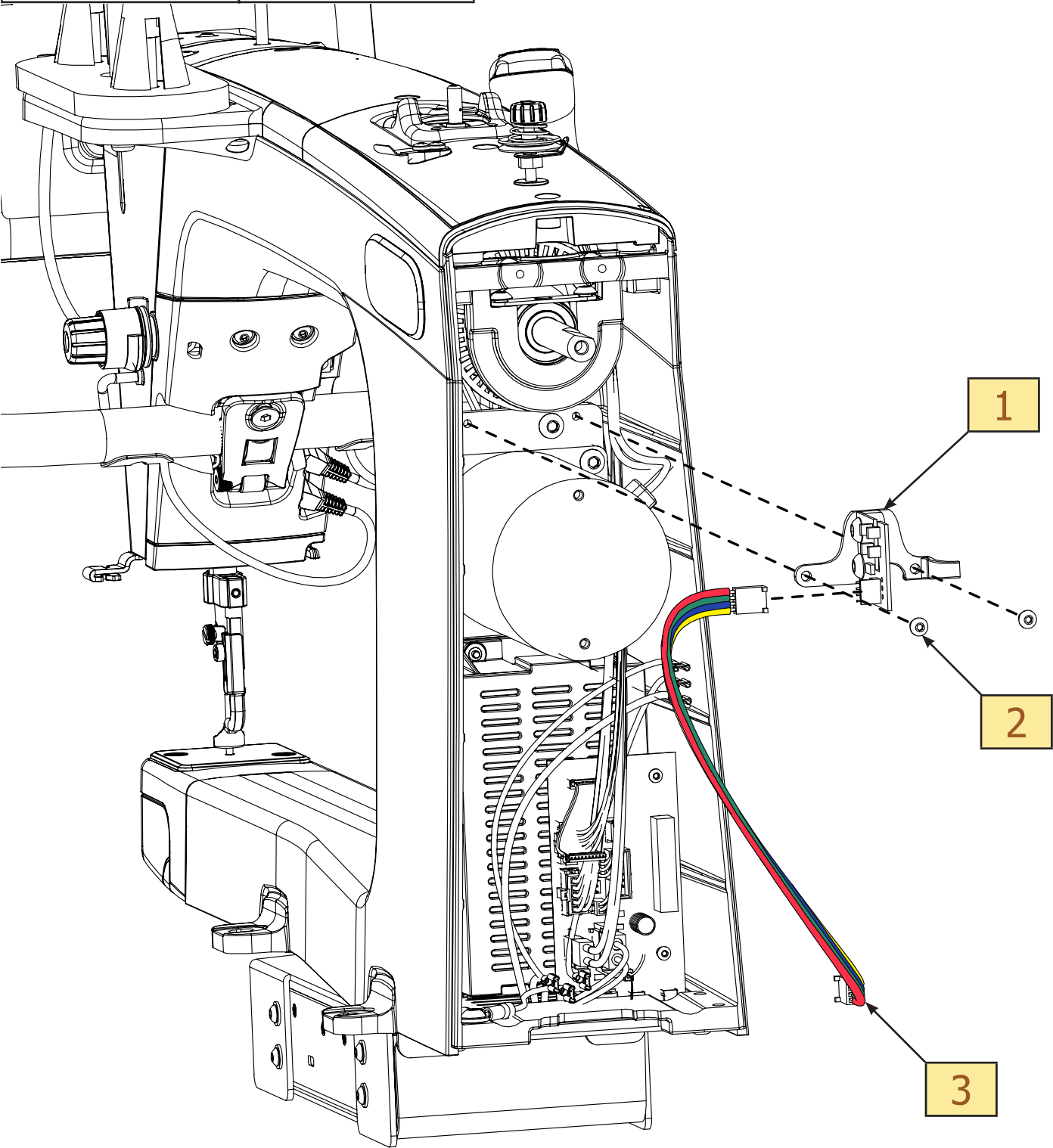
Power Supply



Item	QTY	Part #	Description	Serviceability
1	12	03-12017	Washer M4, Narrow	DE
2	8	03-10012	SBHCS M4 X 10mm	DE
3	1	04-16082	Power Supply Bracket	DE
4	3	03-10744	SBHCS M6 X 12mm	DE
5	1	09-14300	Power Supply 36V 450W	DE
6	1	05-16295	Plastic Power Supply Cover	DE
7	7	03-10175	SBHCS M4 X 8mm	DE

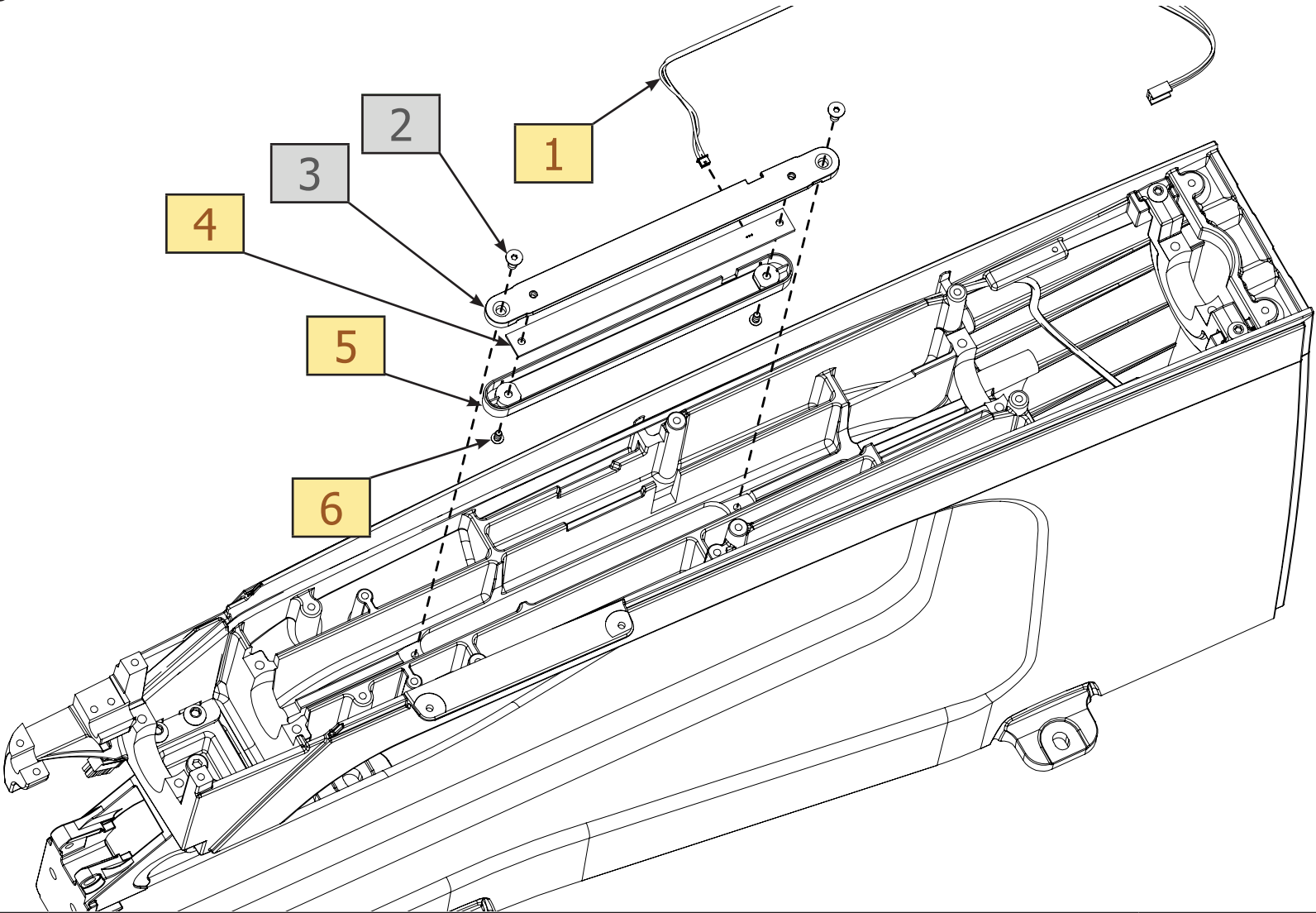
Optical Encoder Assembly

Note: To remove optical encoder assembly, first remove the back plastic.



Item	QTY	Part #	Description	Serviceability
1	1	09-22104	Optical Encoder Assembly	DE
2	1	03-10175	SBHCS M4 X 8mm	DE
3	1	02-12179	Speed Sensor Cable	DE

Throat Lights

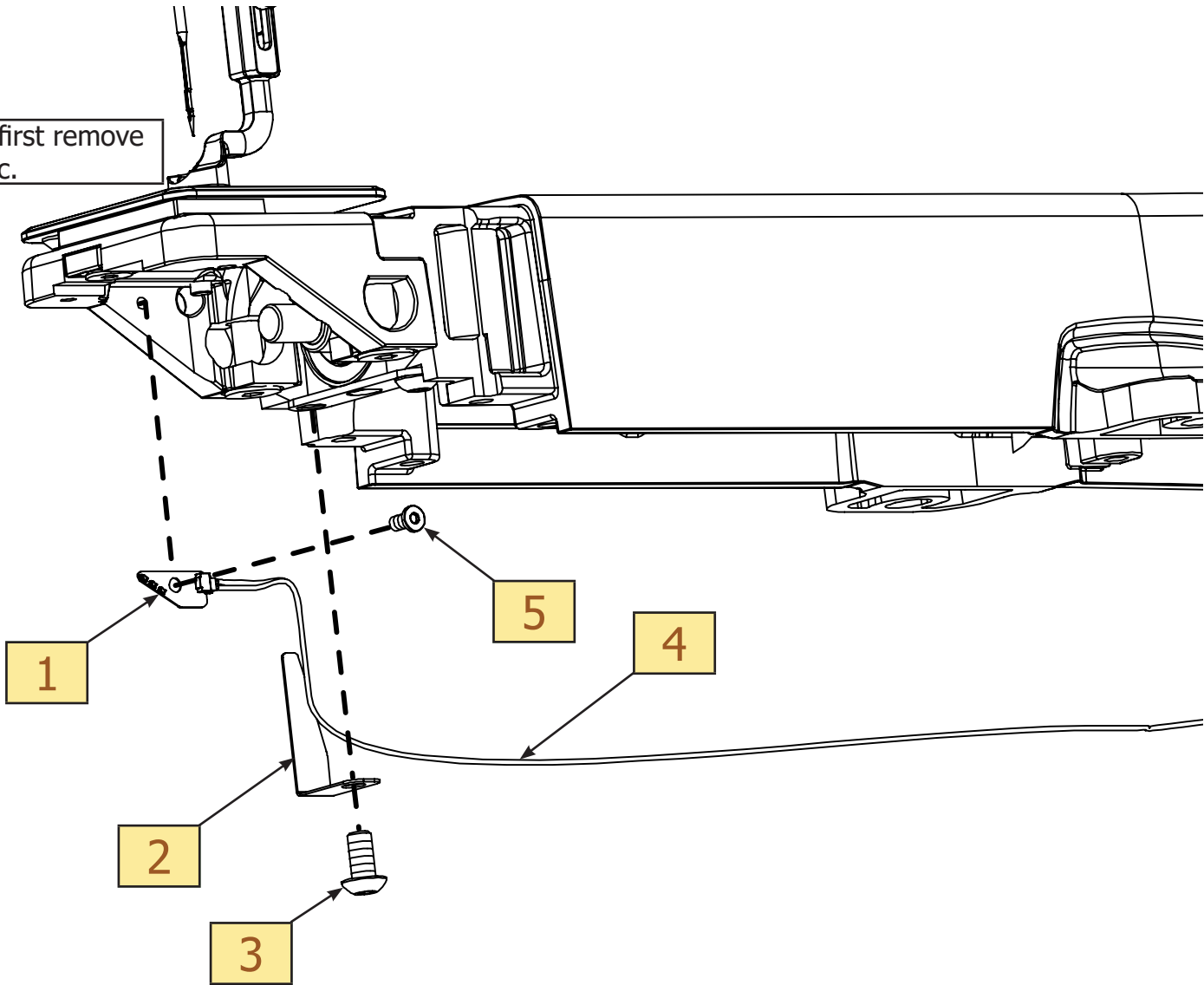


Item	QTY	Part #	Description	Serviceability
1	1	02-17504	Throat Light Cable	DE
2	2	03-11889	Socket FHS M4 X 10mm	GR
3	1	05-17074	Throat Light Mount	GR
4	1	02-16156	Throat Light Board	DE
5	1	05-17073	Throat Light Cover	DE
6	2	03-10177	SBHCS M3 X 6mm	DE

Bobbin Light

Note: To remove bobbin light, first remove hook assembly.

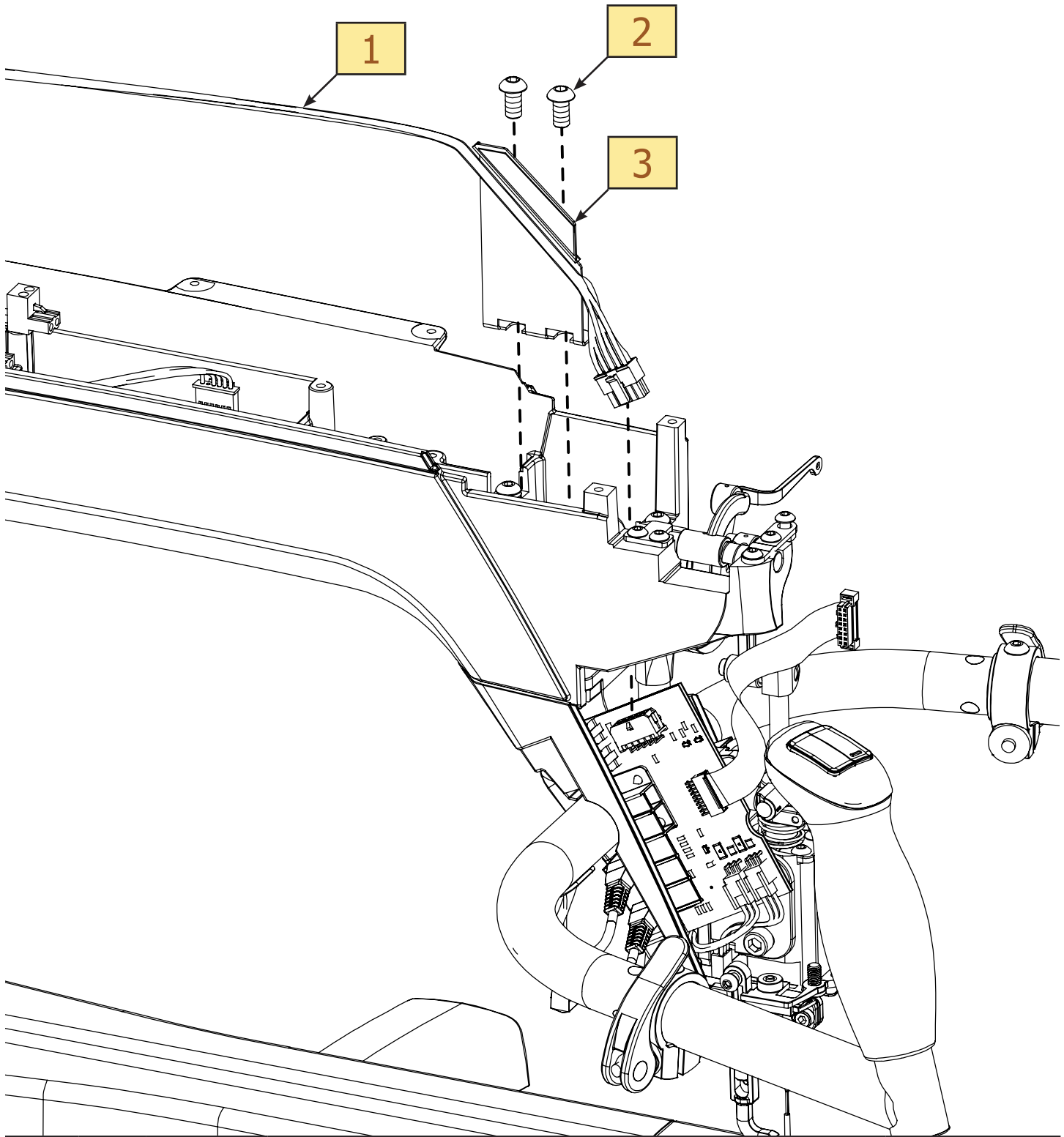
Note: To remove bobbin light cable, first remove bobbin area covers and bottom plastic.



Item	QTY	Part #	Description	Serviceability
1	1	02-19229	Bobbin Light Board	DE
2	1	04-19454	Bobbin Light Cable Retainer	DE
3	6	03-10073	SBHCS M5 X 10mm	DE
4	1	02-19215	Bobbin Light Cable	DE
5	1	03-19124	Ultra Low Profile SHCS M3 X 6mm	DE

Connector Board to Display Connector Board Cable

Note: To remove cable, first remove the back plastic and upper plastics.

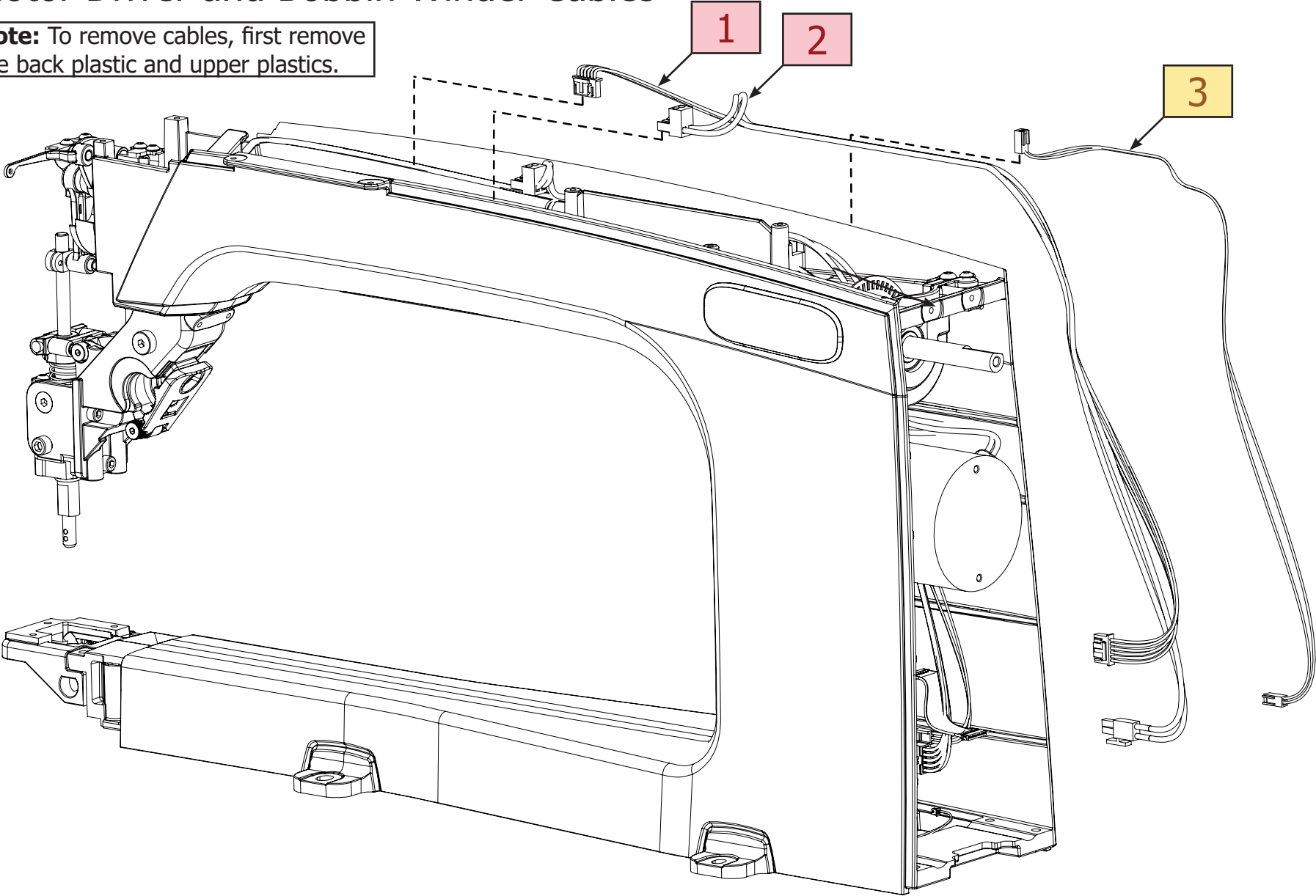


Item	QTY	Part #	Description	Serviceability
1	1	02-16262	Connector Board to Handle Connector Board Cable	DE
2	2	03-10744	SBHCS M6 X 12mm	DE
3	1	04-12144	Cable Bracket	DE

Motor Driver and Bobbin Winder Cables

Note: To remove cables, first remove the back plastic and upper plastics.

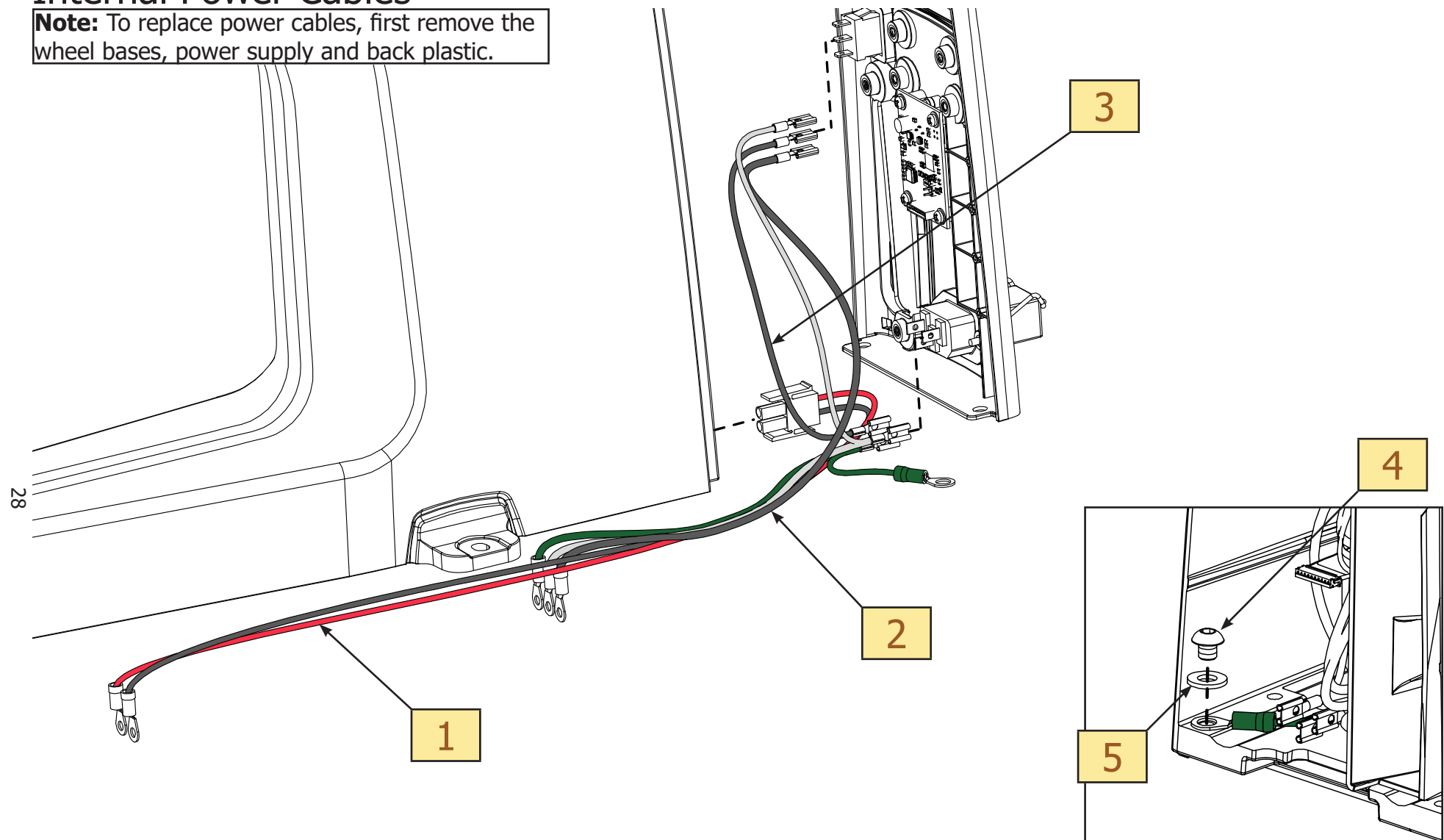
27



Item	QTY	Part #	Description	Serviceability
1	1	02-12147	Motor Driver Signal Cable	DI
2	1	02-12145	Motor Driver Power Cable	DI
3	1	02-16325	Bobbin Winder Cable	DE

Internal Power Cables

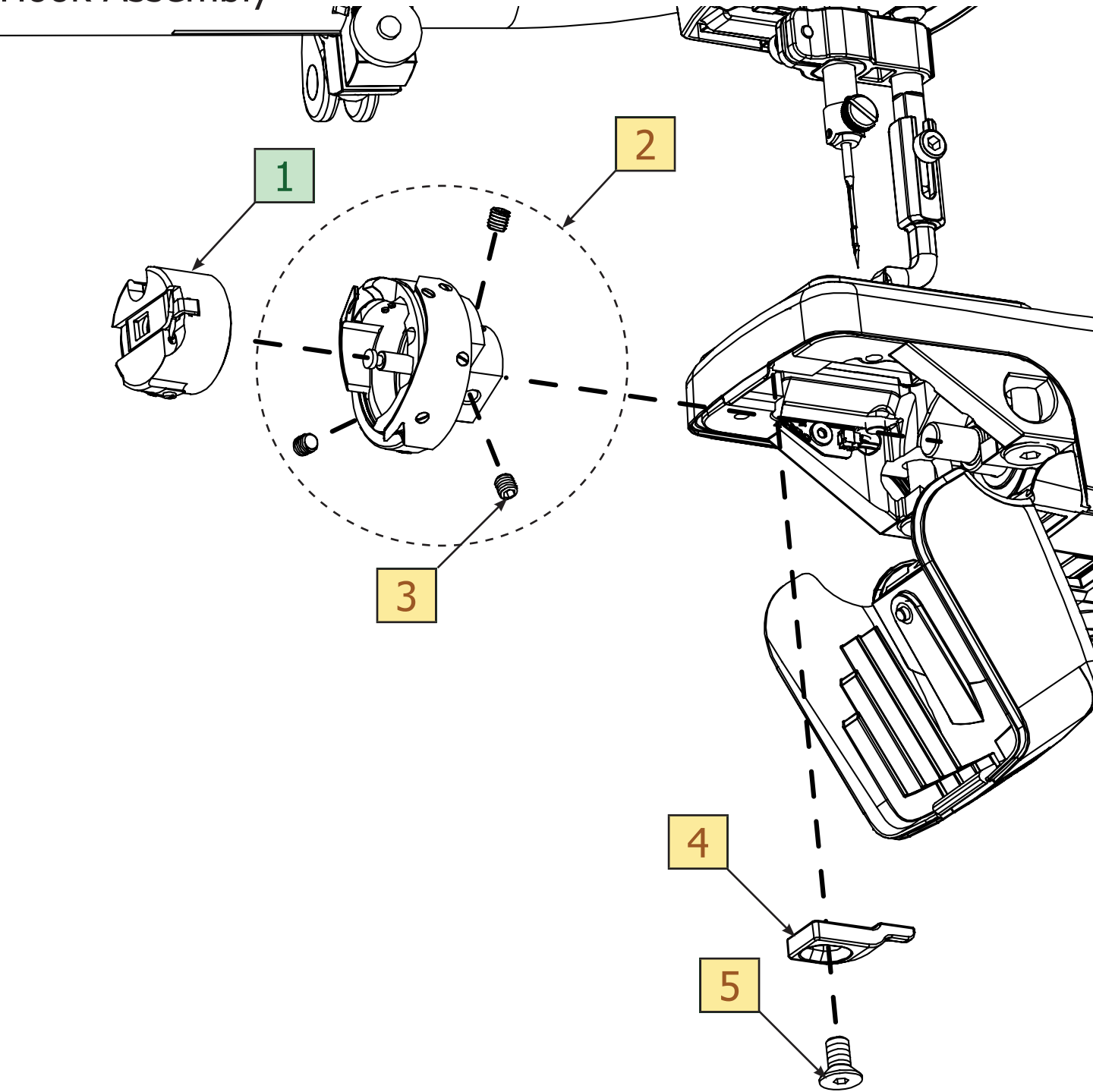
Note: To replace power cables, first remove the wheel bases, power supply and back plastic.



Item	QTY	Part #	Description	Serviceability
1	1	02-10237	Power Supply to Connector Board Cable	DE
2	1	02-18964	Power Cord to Power Supply Cable	DE
3	1	02-12180	Power Cord to Switch Cable	DE
4	1	03-11981	SBHCS M6 X 6mm	DE
5	1	03-13645	Washer M6, Narrow (6.4 ID X 13 OD X 1.4mm T)	DE

Mechanics

Hook Assembly

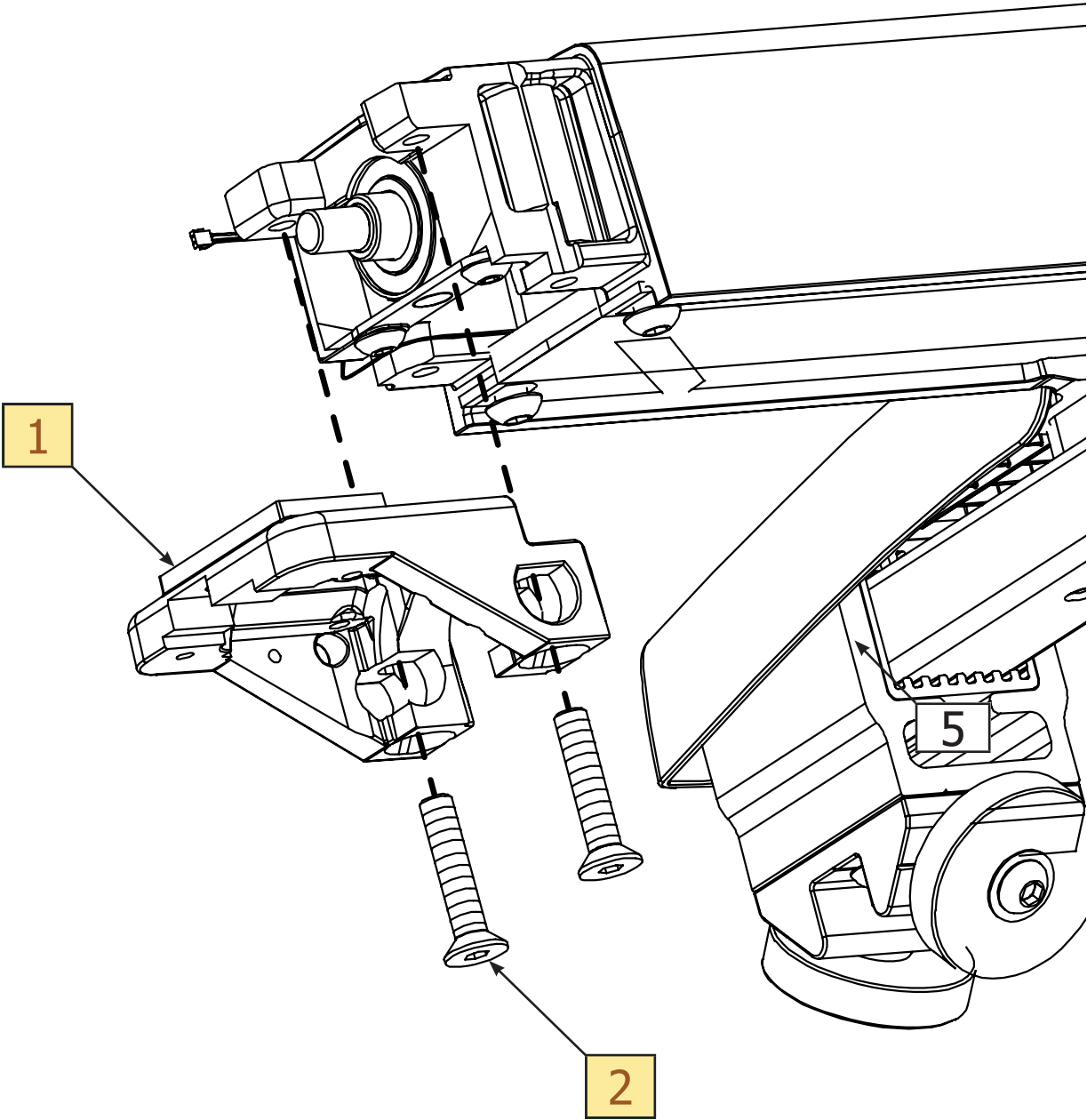


Item	QTY	Part #	Description	Serviceability
1	2	01-17485	Bobbin Case	CU
2	1	09-19067	Elite Hook Assembly	DE
3	3	03-10077	Hook Assembly Set Screw	DE
4	1	04-12075	Hook Holder	DE
5	1	03-11740	Socket FHS M5 X 10mm (Flat Head Screw)	DE

Hook Assembly Bracket

Note: To replace hook assembly bracket, first remove the hook assembly and bobbin area covers.

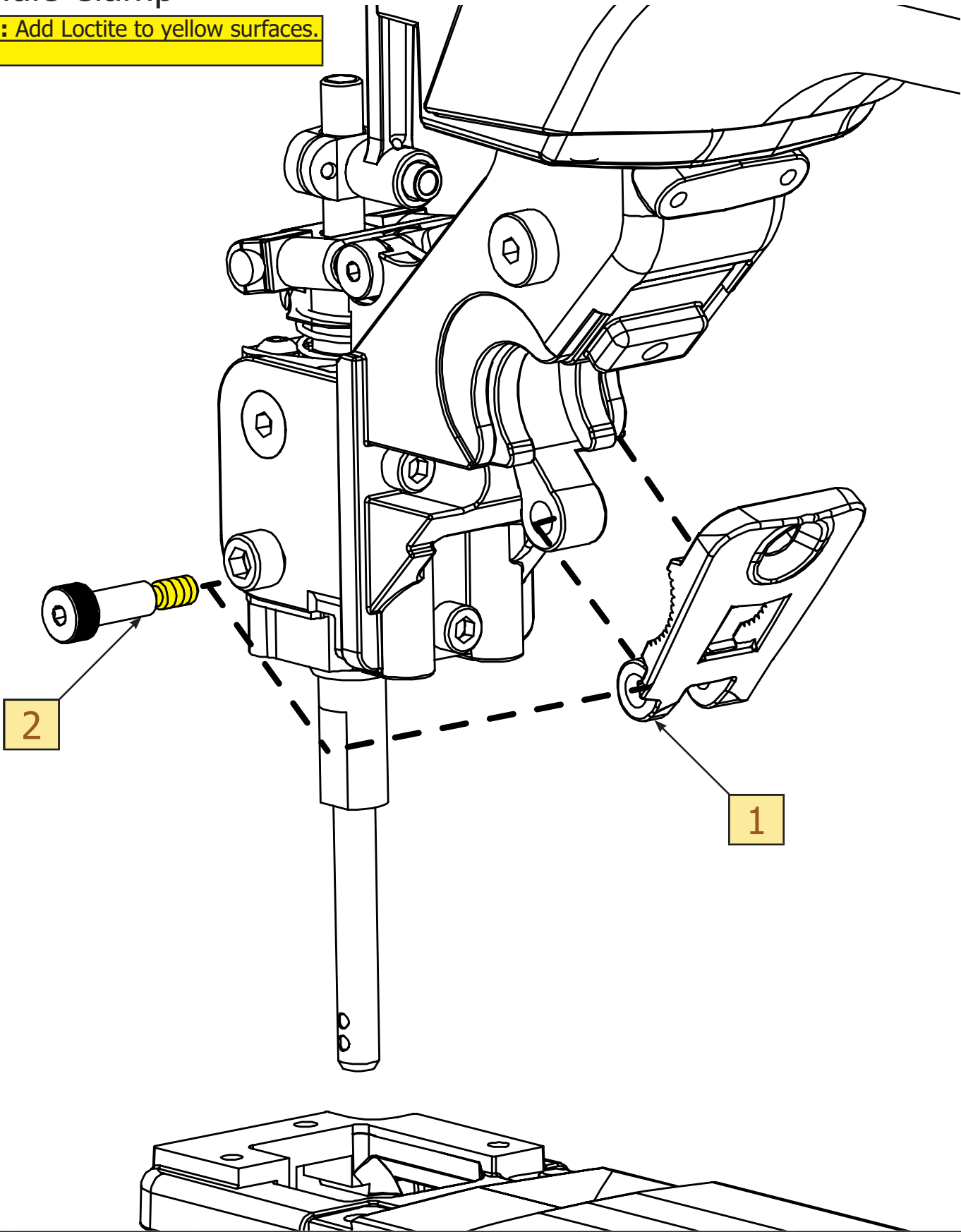
Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	04-12149	Hook Assembly Bracket	DE
2	2	03-12885	Socket FHS M6 X 30mm	DE

Handle Clamp

Note: Add Loctite to yellow surfaces.

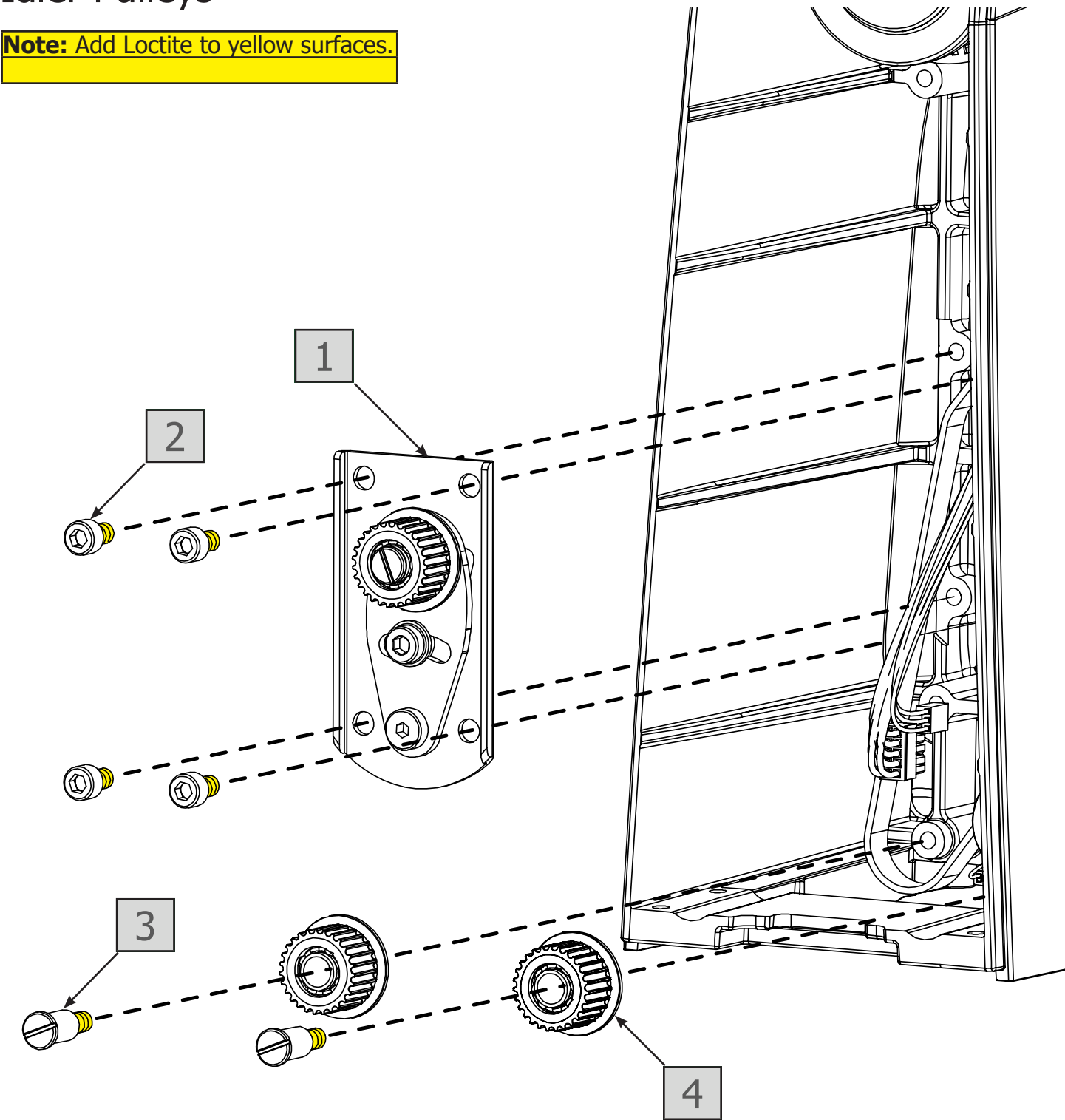


Item	QTY	Part #	Description	Serviceability
1	1	04-13941	Handle Bar Clamp v2	DE
2	1	03-14008	Shoulder Bolt 6 X 15mm, M5	DE

Idler Pulley Tension Plate

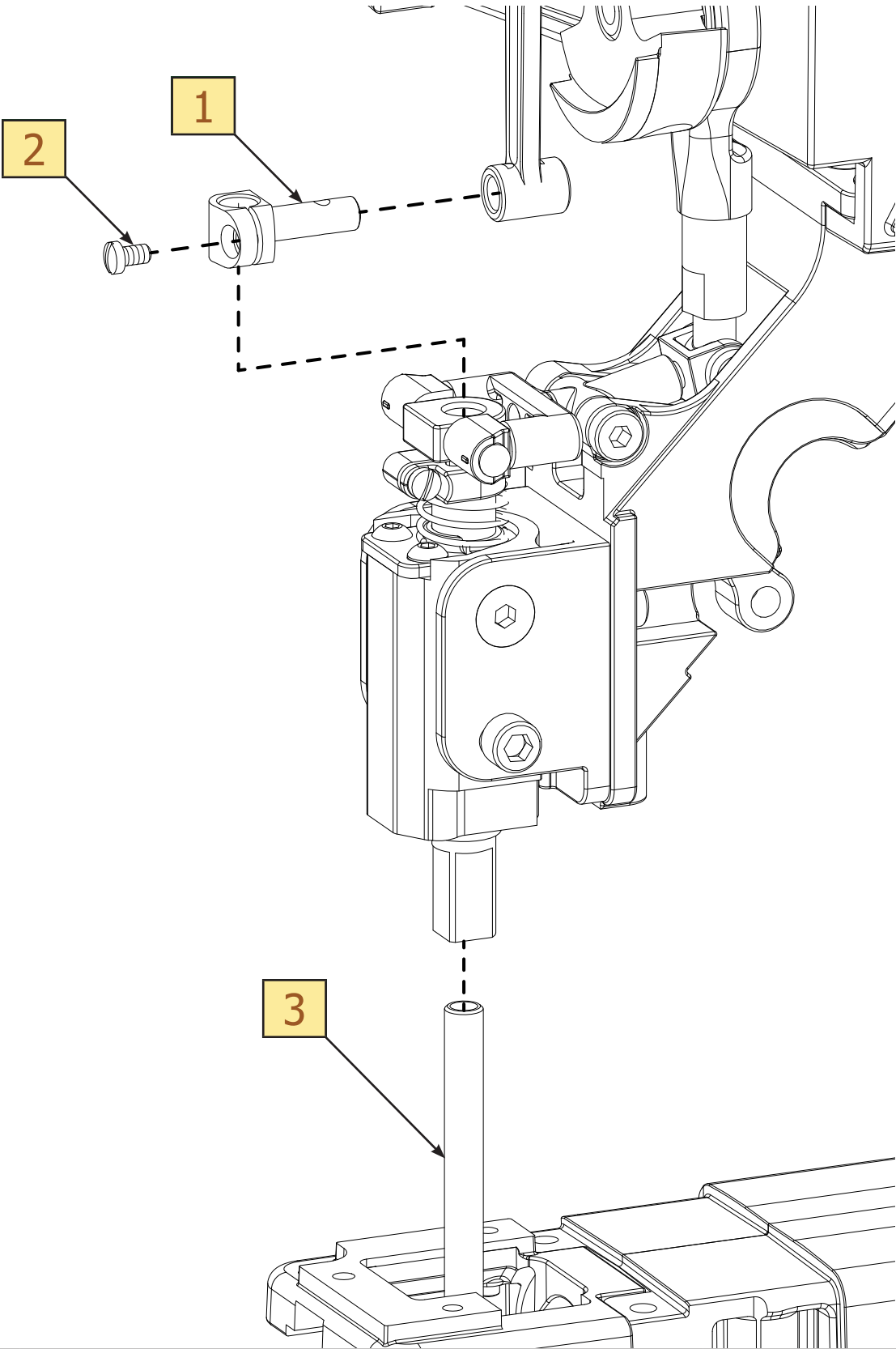
Idler Pulleys

Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	09-16419	Idler Pulley Tension Plate Assembly v2	GR
2	4	03-12466	SHCS M6 X 10mm	GR
3	2	03-12239	Idler Pulley Axle	GR
4	2	04-14173	HTD Idler Pulley	GR

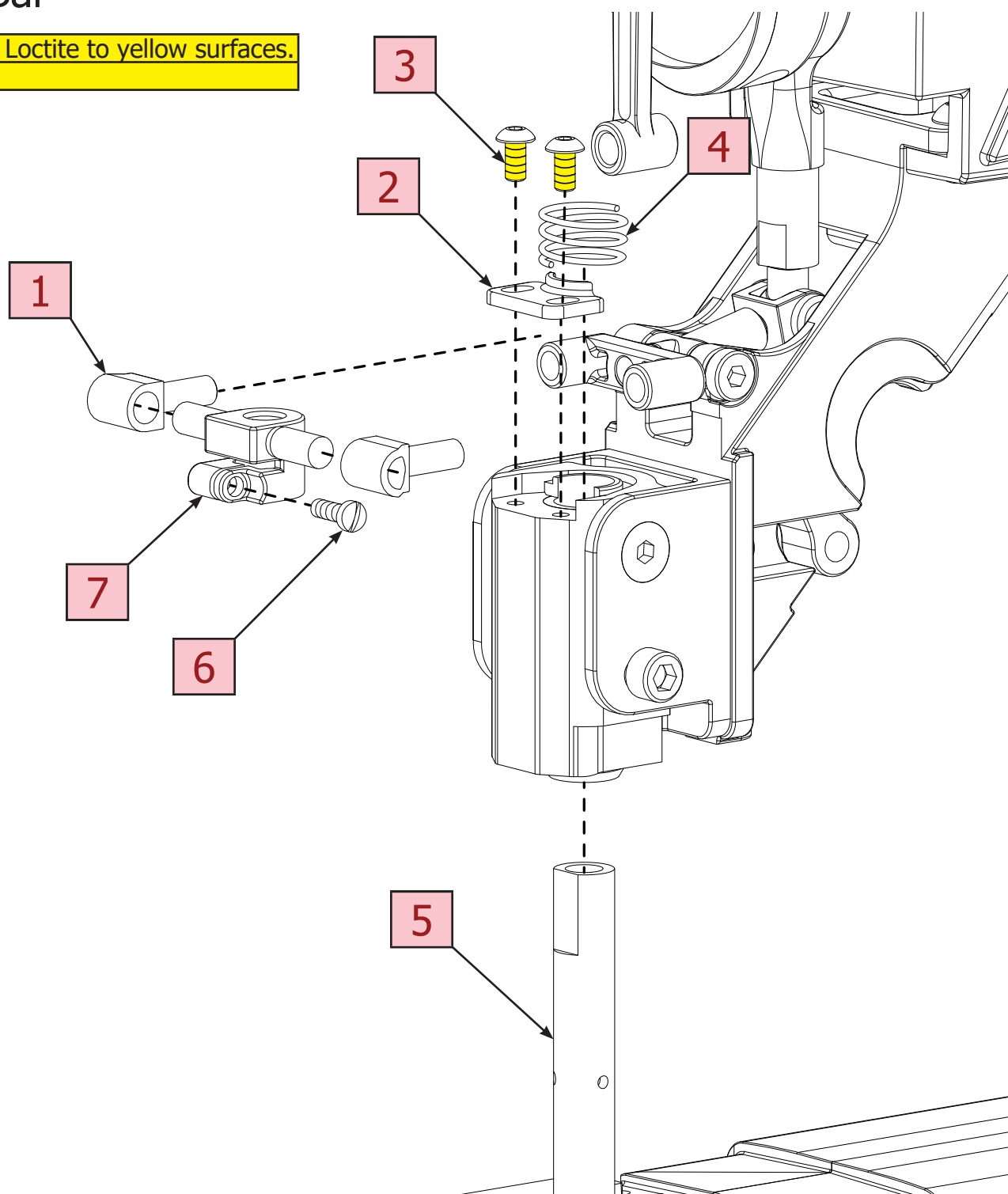
Needle Bar



Item	QTY	Part #	Description	Serviceability
1	1	09-10044	Needle Rod Holder (part of thread take-up lever)	DE
2	1	09-10044	Flat Head Screw Ø3.56 X 6mm (part of thread take-up lever)	DE
3	1	04-10038	Needle Bar v2	DE

Press Bar

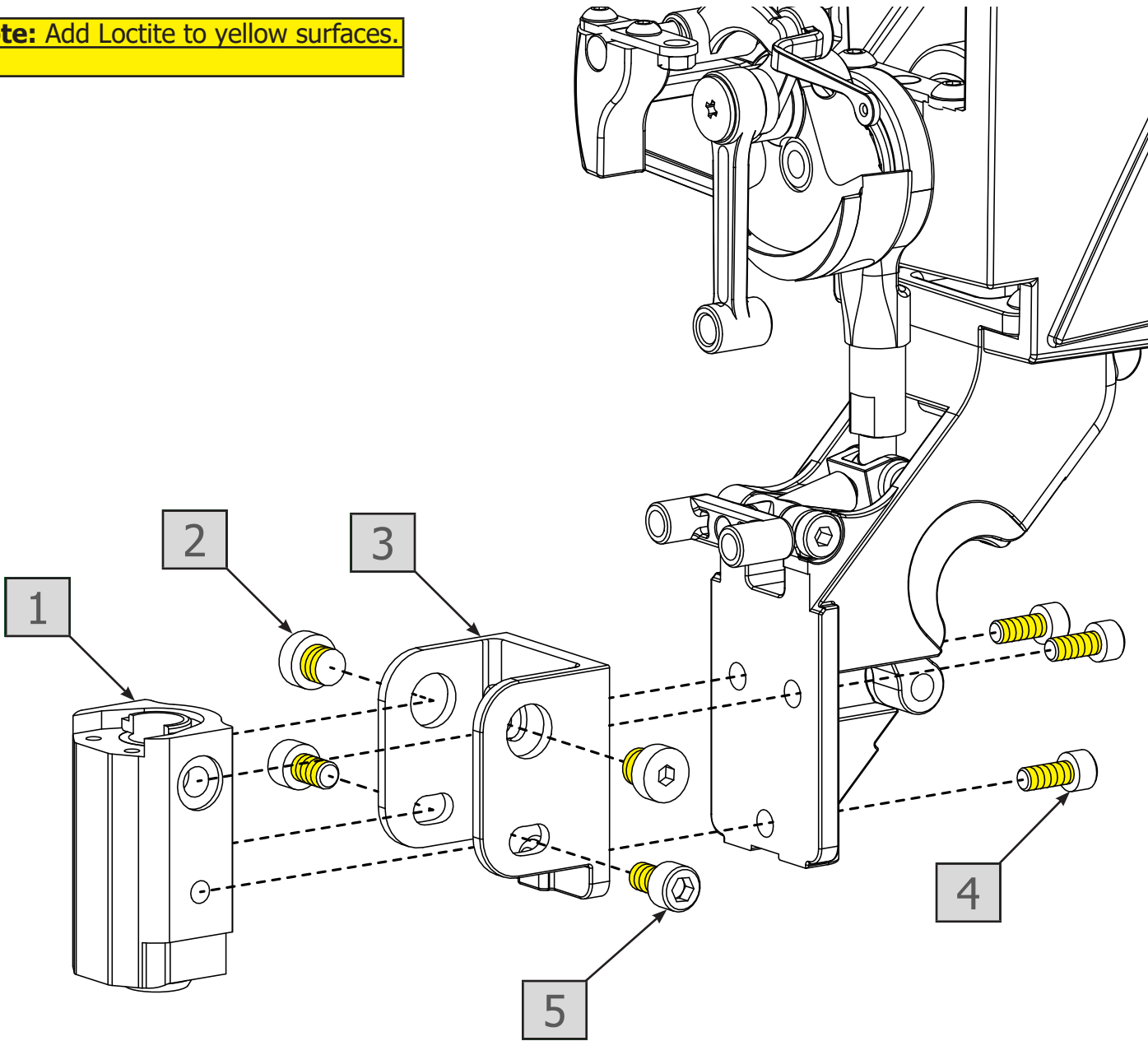
Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	2	04-13939	Rod Holder	DI
2	1	04-14180	Press Bar Slide Plate	DI
3	2	03-10175	SBHCS M4 X 8mm	DI
4	1	03-14476	Swing Bracket Dampening Spring	DI
5	1	04-12130	Press Bar	DI
6	1	03-10055	Slotted Fillister Head Screw Ø3.56 X 6mm (9/64-40)	DI
7	1	04-13940	Press Bar Rod Holder	DI

Bushing Block

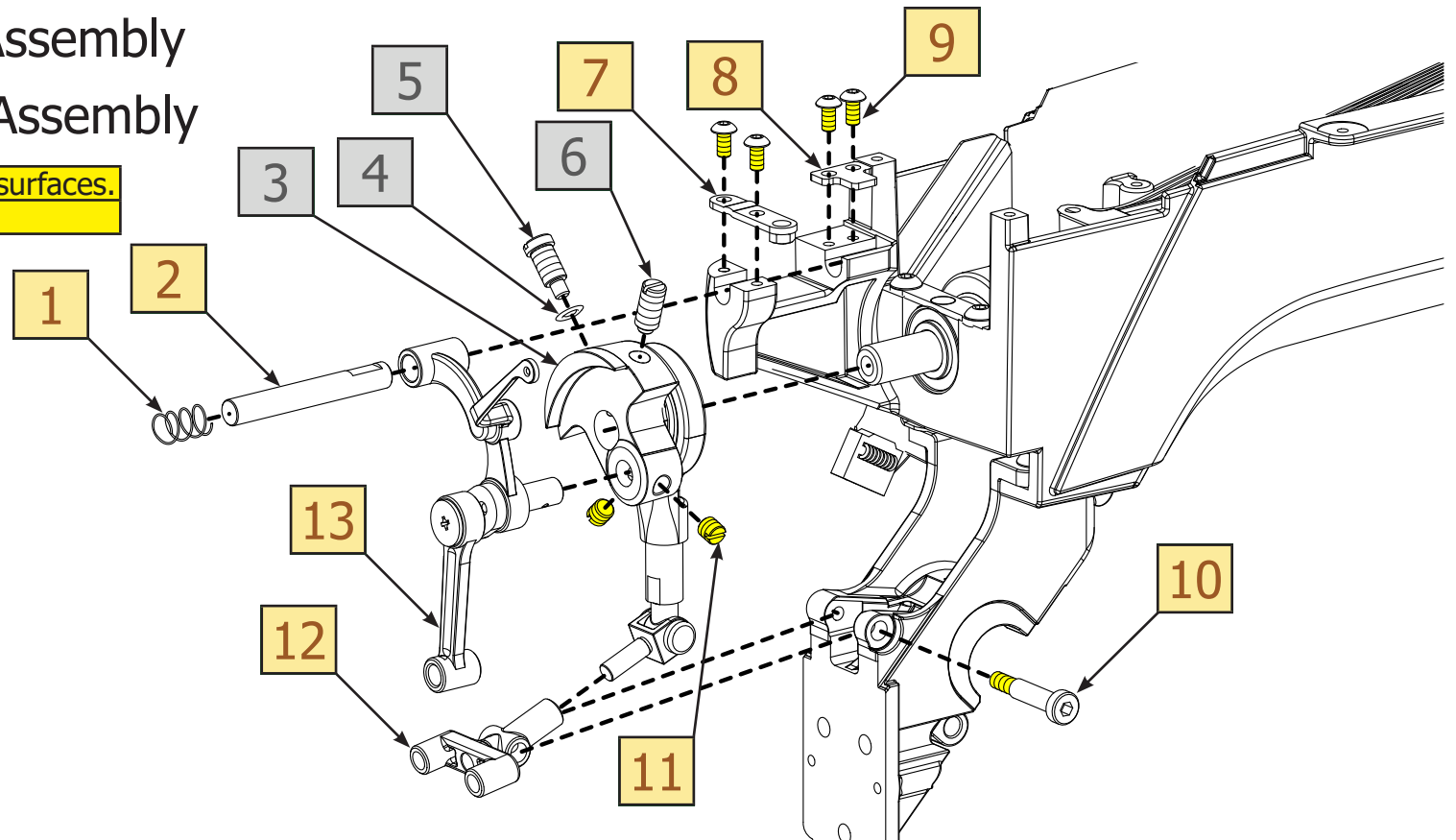
Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	09-14649	Bushing Block Assembly	GR
2	2	03-14164	Bushing Block Pivot Bolt	GR
3	1	04-14181	Bushing Block Adjustment Plate v2	GR
4	3	03-14162	SHCS M5 X 12mm	GR
5	2	03-12466	SHCS M6 X 10mm	GR

Thread Take-up Assembly Bushings Bearing Assembly

Note: Add Loctite to yellow surfaces.

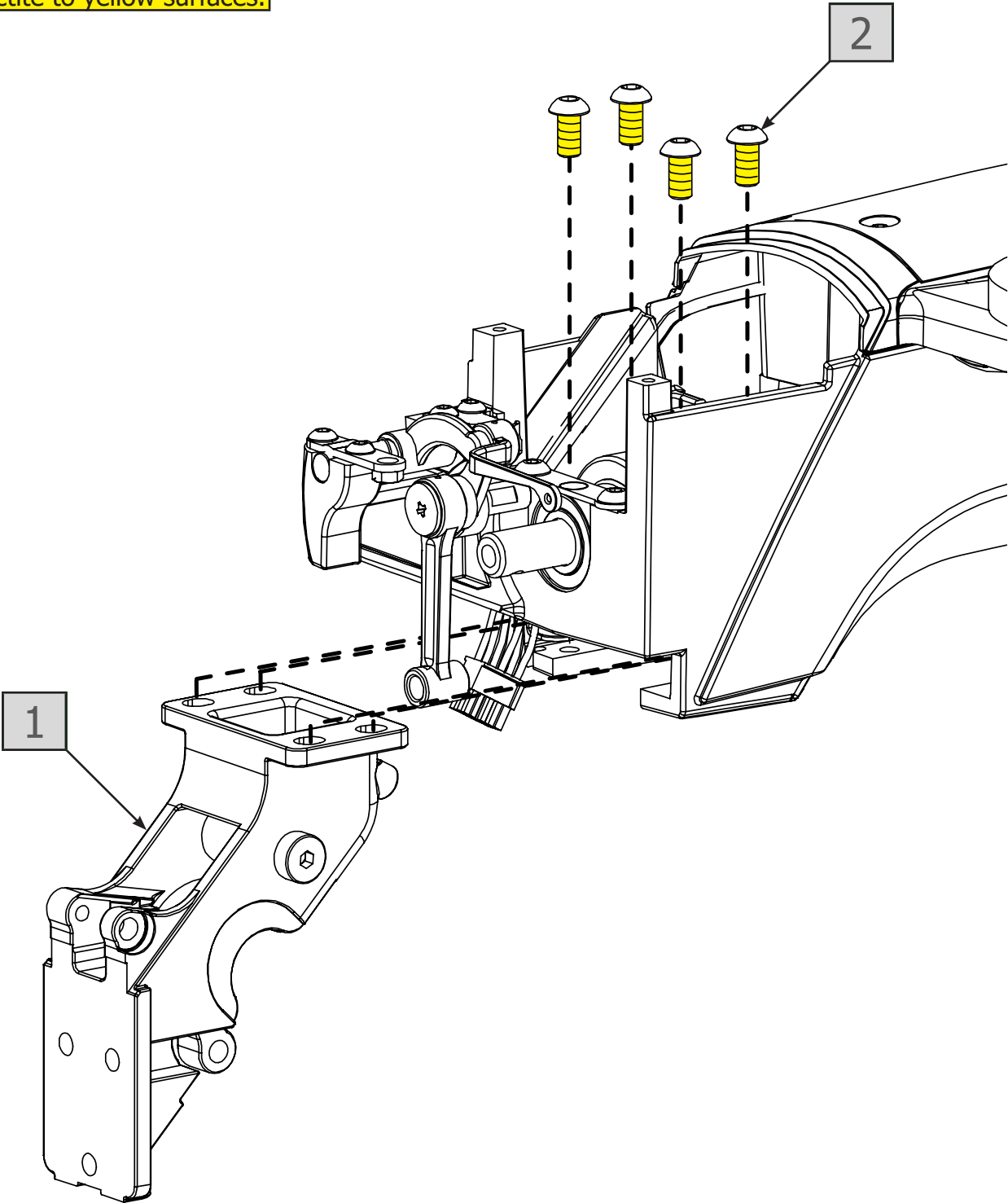


19X Elite Exploded Views

Item	QTY	Part #	Description	Serviceability
1	1	03-11463	Thread Take Up Spring	DE
2	1	04-11523	Thread Take Up Crank Pin	DE
3	1	09-14379	Bushing Bearing Assembly	GR
4	1	08-11309	Rubber O-ring for Bolt	GR
5	1	03-10023	Crank Shoulder Screw (Orientation) 9/32-28 X 14mm	GR
6	1	03-10024	Crank Screw (Securing) 9/32-28 X 14mm	GR
7	1	04-12131	Front Take-up Lever Clamp	DE
8	1	04-11713	Back Thread Take-up Lever Clamp	DE
9	4	03-10175	SBHCS M4 X 8mm	DE
10	1	03-14008	Shoulder Bolt 6 X 15mm, M5	DE
11	2	03-10025	Slotted FSS 4-40 X 0.25in (6mm) (Flat Set Screw)	DE
12	1	04-13937	Swing Bracket	DE
13	1	09-10044	Thread Take Up Lever Assembly	DE

Head Bracket

Note: Add Loctite to yellow surfaces.

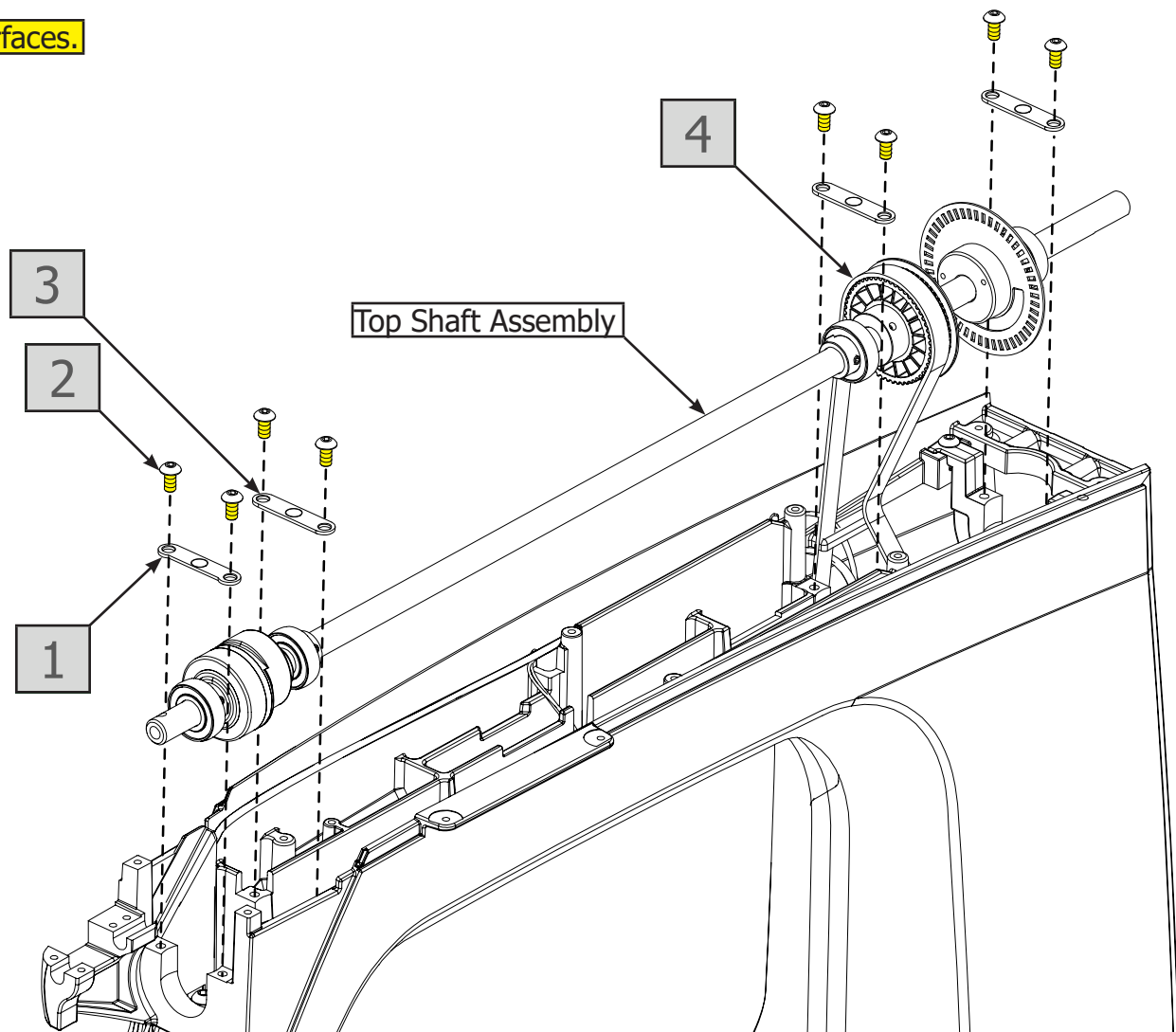


Item	QTY	Part #	Description	Serviceability
1	1	09-14648	Head Bracket Assembly	GR
2	4	03-10744	SBHCS M6 X 12mm	GR

Top Shaft Assembly

Timing Belt

Note: Add Loctite to yellow surfaces.

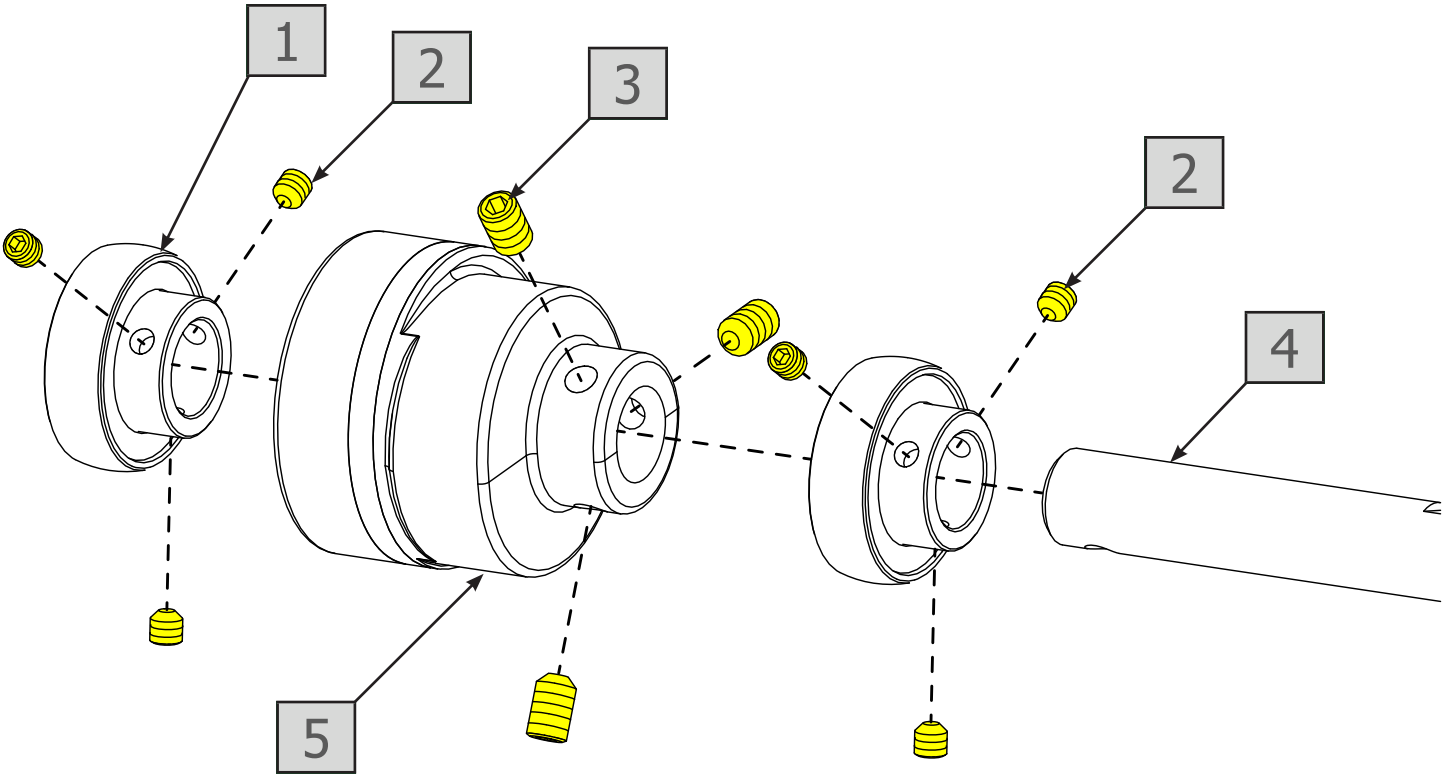


Item	QTY	Part #	Description	Serviceability
1	1	04-14230	12mm TF Bushing Clamp	GR
2	8	03-10073	SBHCS M5 X 10mm	GR
3	3	04-10067	12mm Bearing Clamp 1.5mm T	GR
4	1	08-11145	HTD Timing Belt, 801mm Long, 9mm Wide, 3M	GR

Harmonic Balancer

Top Shaft

Note: Add Loctite to yellow surfaces.

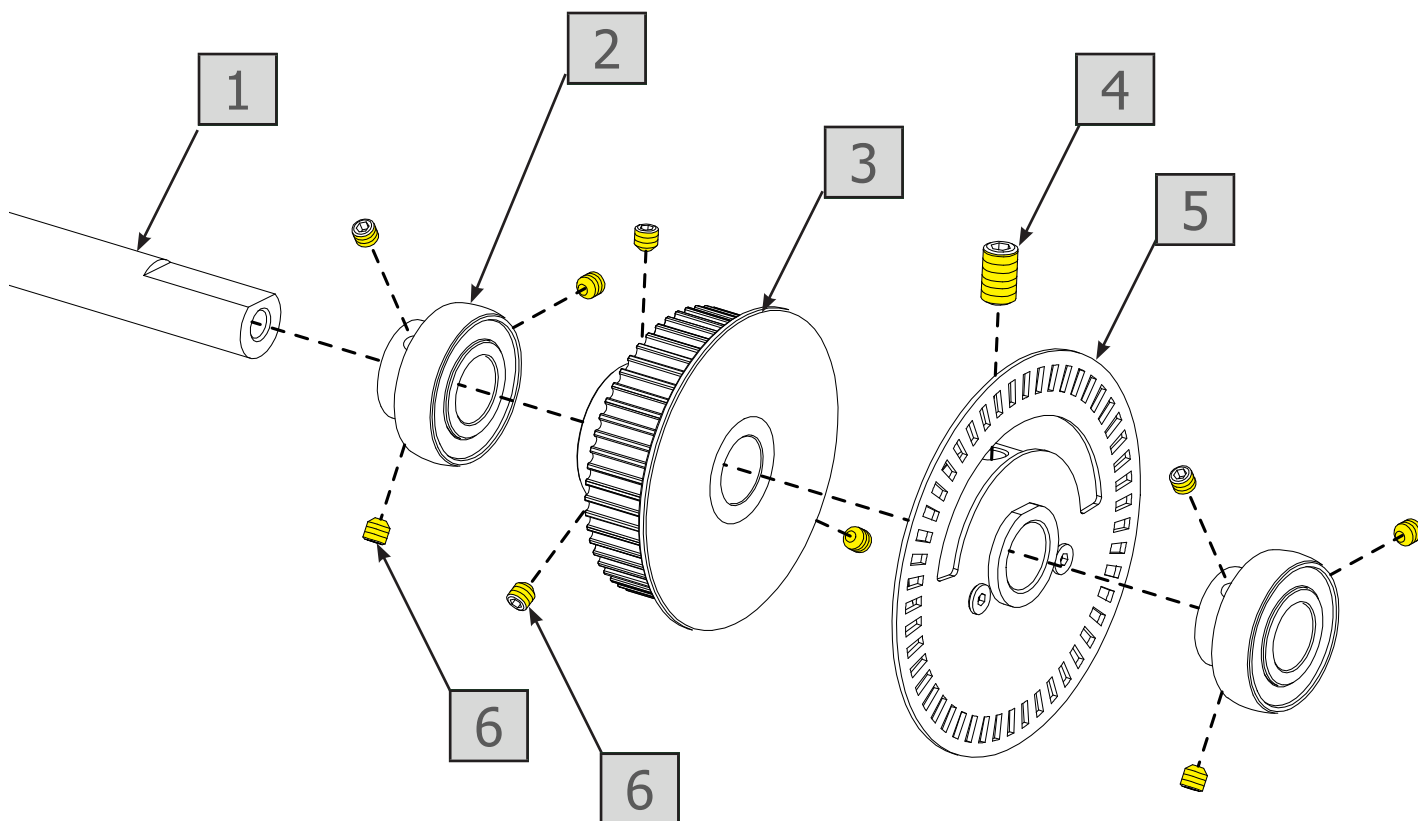


Item	QTY	Part #	Description	Serviceability
1	2	03-10063	Shaft Bearing 12 ID X 28 OD X 8mm T	GR
2	6	03-10016	Socket CSS M4 x 4mm (Cup Point Set Screw)	GR
3	3	03-10268	Socket CSS M5 x 5mm (Cup Point Set Screw)	GR
4	1	04-12141	Main Shaft	GR
5	1	09-14380	Harmonic Balancer Assembly	GR

Top Shaft Pulley

Optical Encoder Wheel Assembly

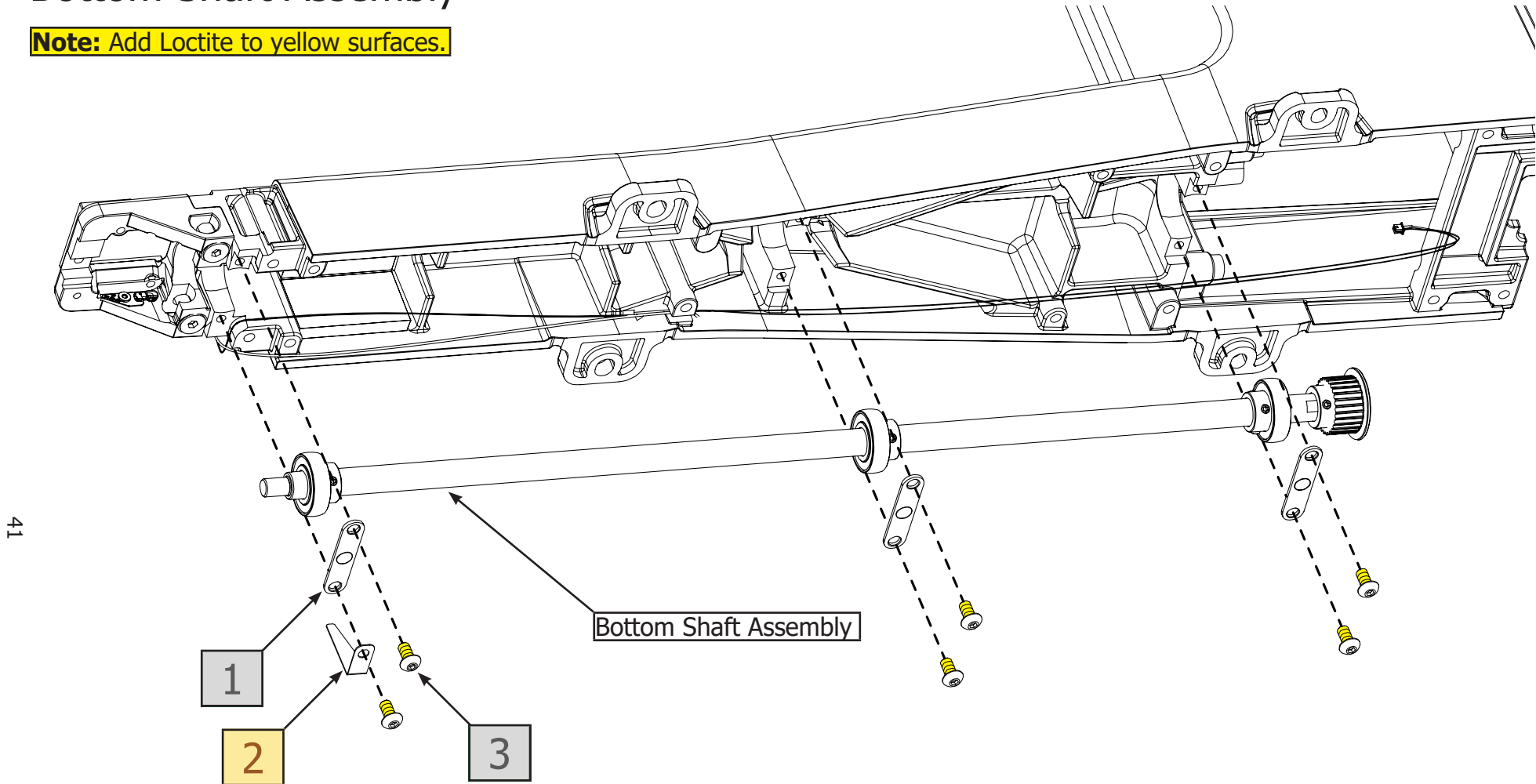
Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	04-12141	Main Shaft	GR
2	2	03-10063	Shaft Bearing 12 ID X 28 OD X 8mm T	GR
3	1	04-14168	HTD Top Shaft Pulley	GR
4	1	03-10973	Socket FSS M6 x 10mm (Flat Set Screw)	GR
5	1	09-19240	Optical Encoder Wheel Assembly v2	GR
6	9	03-10016	Socket CSS M4 x 4mm (Cup Point Set Screw)	GR

Bottom Shaft Assembly

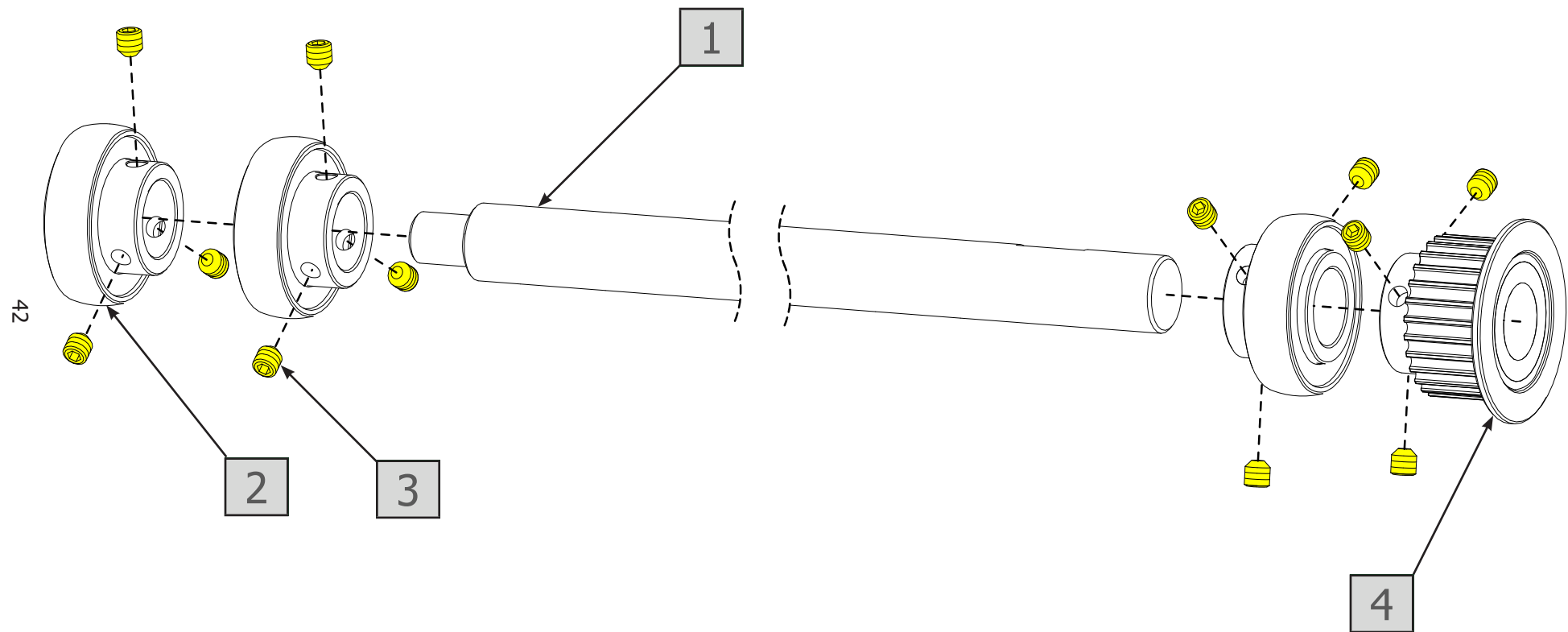
Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	3	04-10067	12mm Bearing Clamp 1.5mm T	GR
2	1	04-19454	Bobbin Light Cable Retainer	DE
3	6	03-10073	SBHCS M5 X 10mm	GR

Bottom Shaft

Note: Add Loctite to yellow surfaces.



Item	QTY	Part #	Description	Serviceability
1	1	04-12134	Bottom Shaft	GR
2	3	03-10063	Shaft Bearing (28 OD X 12 ID X 8mm T)	GR
3	12	03-10016	Socket Set Screw M4 X 4mm	GR
4	1	05-14171	Bottom Shaft Pulley	GR

Appendices

Appendix A - Torque Specifications Table

Screw Size	Screw Type	Steel onto Steel	Steel onto Aluminum	Steel onto Plastic	Aluminum onto Steel	Aluminum onto Aluminum	Aluminum onto Plastic	Plastic onto Steel	Plastic onto Aluminum	Plastic onto Plastic
M3	SBHCS	1.3	1.1	0.4	1.3	1.1	0.35	0.5	0.4	0.25
	FHS	1	0.8	0.3	1	0.9	0.45	0.5	0.5	0.25
	Set Screw	0.9	0.7	0.25	0.9	0.7	0.25	0.3	0.3	0.2
M4	SBHCS	3	2.5	1	3	2.5	0.8	1	0.8	0.5
	FHS	2.2	1.5	0.7	2.2	2	1	1	1	0.5
	Set Screw	2	1.5	0.5	2	1.5	0.5	0.5	0.5	0.3
M5	SBHCS	6.5	6	1	6.5	5	0.8	1	0.7	0.5
	FHS	3.5	2.8	0.8	3.2	3	1	1	1	0.7
	Set Screw	3	2.5	0.8	3.2	2.5	0.5	0.7	0.5	0.5
M6	SBHCS	10	8	1.5	9	9	1	1.5	1.2	0.7
	FHS	8	7	1.5	7.5	5.5	1.2	1.2	1	0.7
	Set Screw	7	6	1.2	6.5	6.5	1.2	1.5	1	0.8
M8	SBHCS	27	24	2.5	26	10	1.5	2	1.5	1
	FCS	26	24	2	24	9	1.5	1.5	1.5	0.8
	Set Screw	12	9	1.5	10	8	1.2	1.5	1.2	0.7