

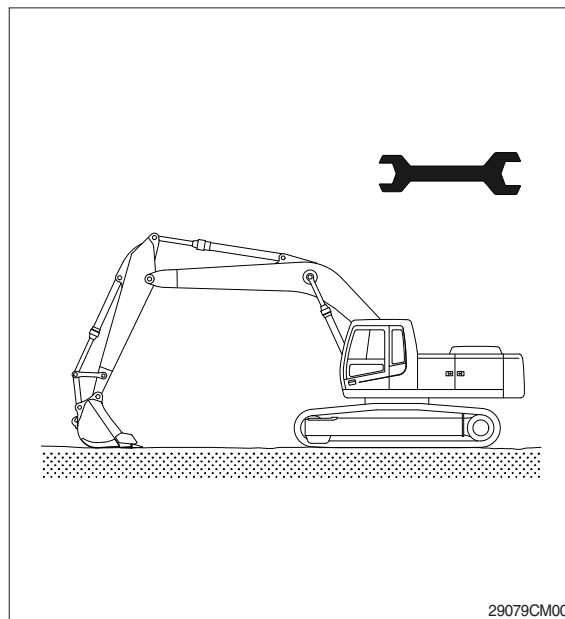
SECTION 9 COMPONENT MOUNTING TORQUE

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SECTION 9 COMPONENT MOUNTING TORQUE

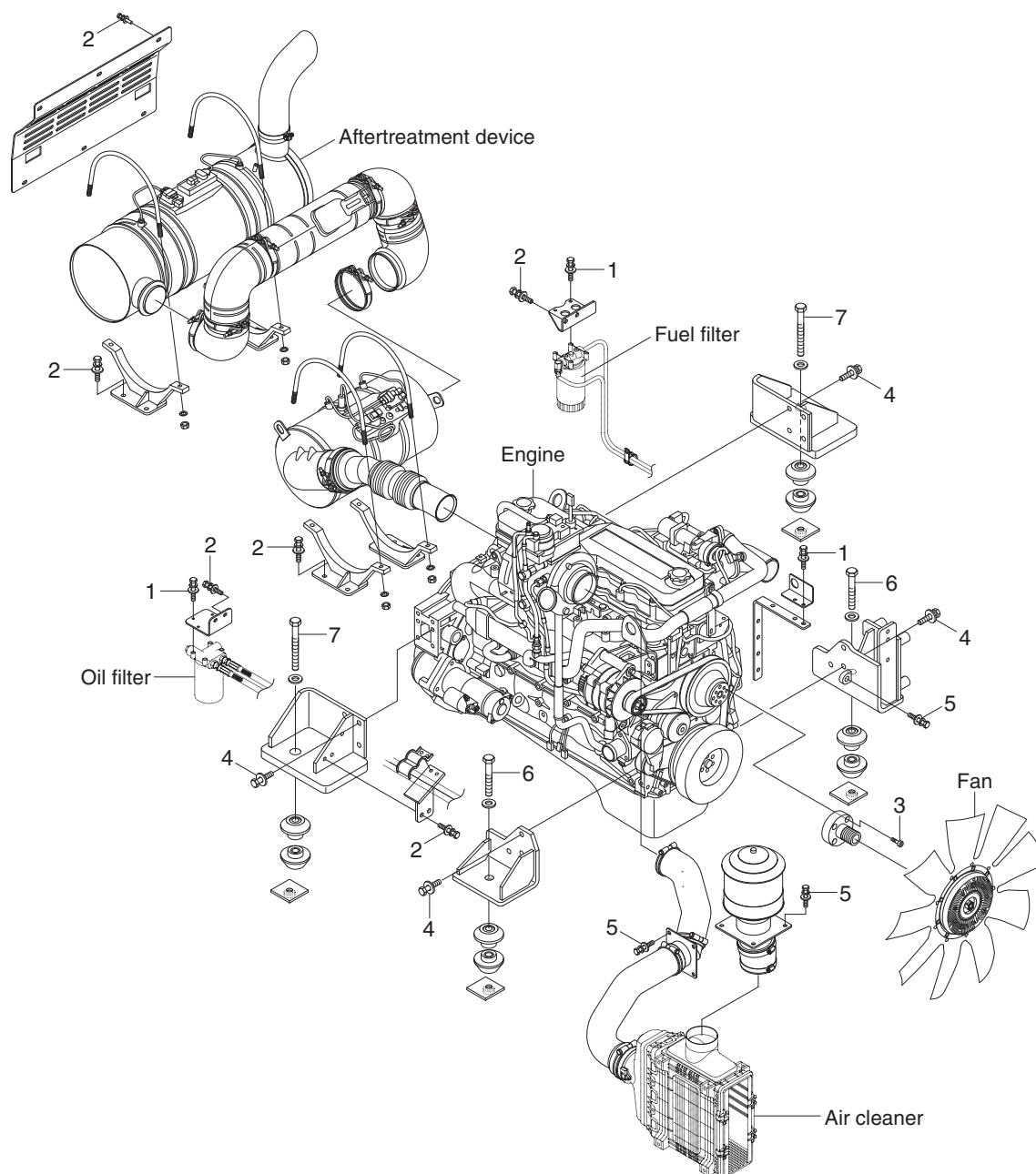
GROUP 1 INTRODUCTION GUIDE

1. This section shows bolt specifications and standard torque values needed when mounting components to the machine.
 2. Use genuine HD Hyundai Construction Equipment spare parts.
We expressly point out that HD Hyundai Construction Equipment will not accept any responsibility for defects resulted from non-genuine parts.
In such cases HD Hyundai Construction Equipment cannot assume liability for any damage.
- ※ Only metric fasteners can be used and incorrect fasteners may result in machine damage or malfunction.
 - ※ Before installation, clean all the components with a non-corrosive cleaner. Bolts and threads must not be worn or damaged.



GROUP 2 ENGINE SYSTEM

ENGINE AND ACCESSORIES MOUNTING



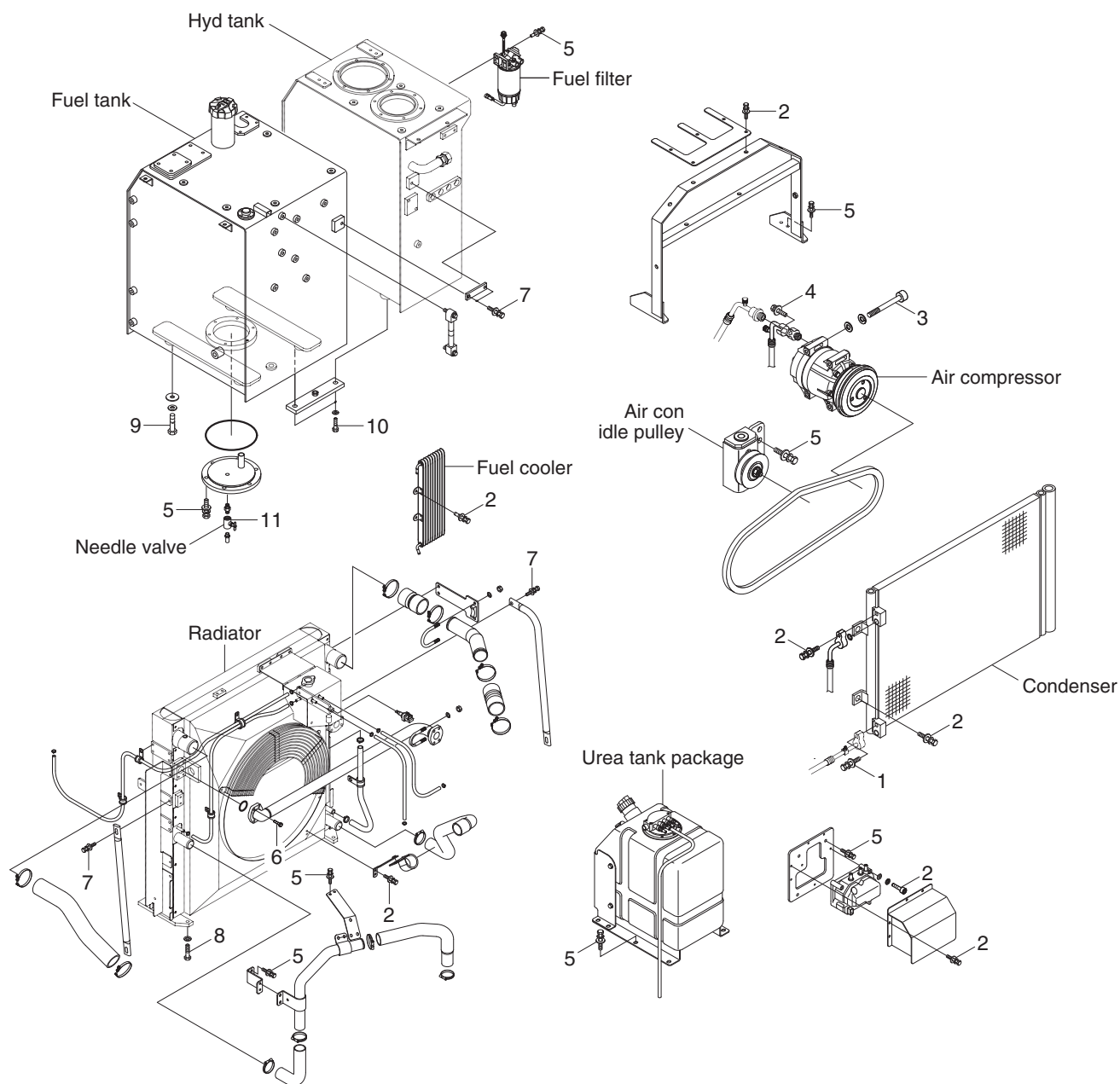
HX260L9CM01

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 8×1.25	2.5±0.5	18.1±3.6
2	M10×1.5	6.9±1.4	49.9±10.1
3	M10×1.5	8.27±1.7	59.8±12.3
4	M12×1.75	11.5±1.0	83.2±7.2

Item	Size	kgf · m	lbf · ft
5	M12×1.75	12.8±3.0	92.6±21.7
6	M20×2.5	52.1±5.0	377±36.2
7	M24×3.0	90±9.0	651±65
-	-	-	-

COOLING SYSTEM AND FUEL TANK MOUNTING



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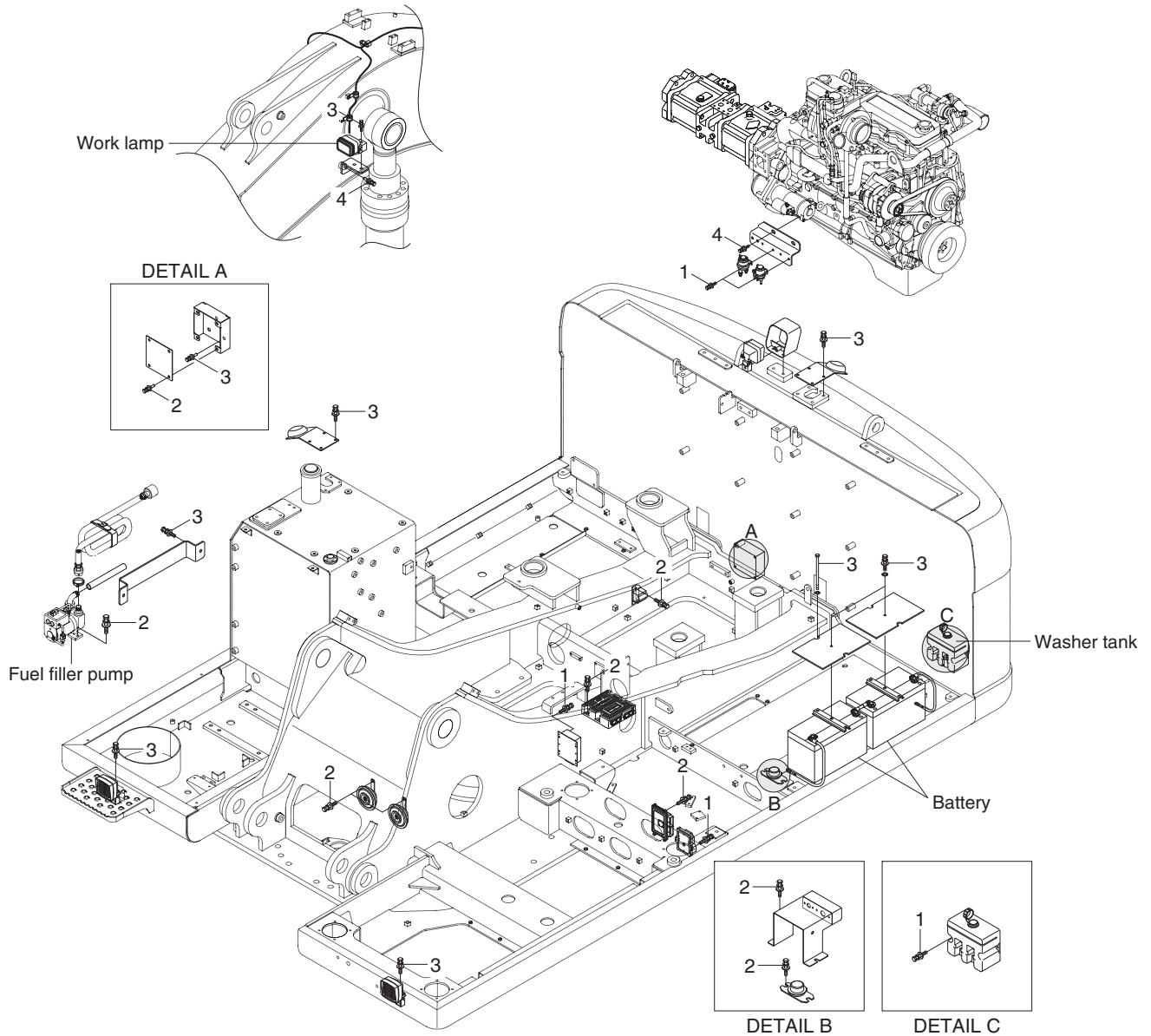
· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6
3	M 8×1.25	4.05±0.8	29.3±5.8
4	M10×1.25	7.4±1.5	53.5±10.8
5	M10×1.5	6.9±1.4	49.9±10.1
6	M10×1.5	8.27±1.7	59.8±12.3

Item	Size	kgf · m	lbf · ft
7	M12×1.75	14.7±2.2	106±15.9
8	M16×2.0	29.7±4.5	215±32.5
9	M20×2.5	46±5.1	333±36.9
10	M20×2.5	57.9±8.7	419±62.9
11	-	2.3±0.6	16.6±4.3
-	-	-	-

GROUP 3 ELECTRIC SYSTEM

ELECTRIC COMPONENTS MOUNTING 1



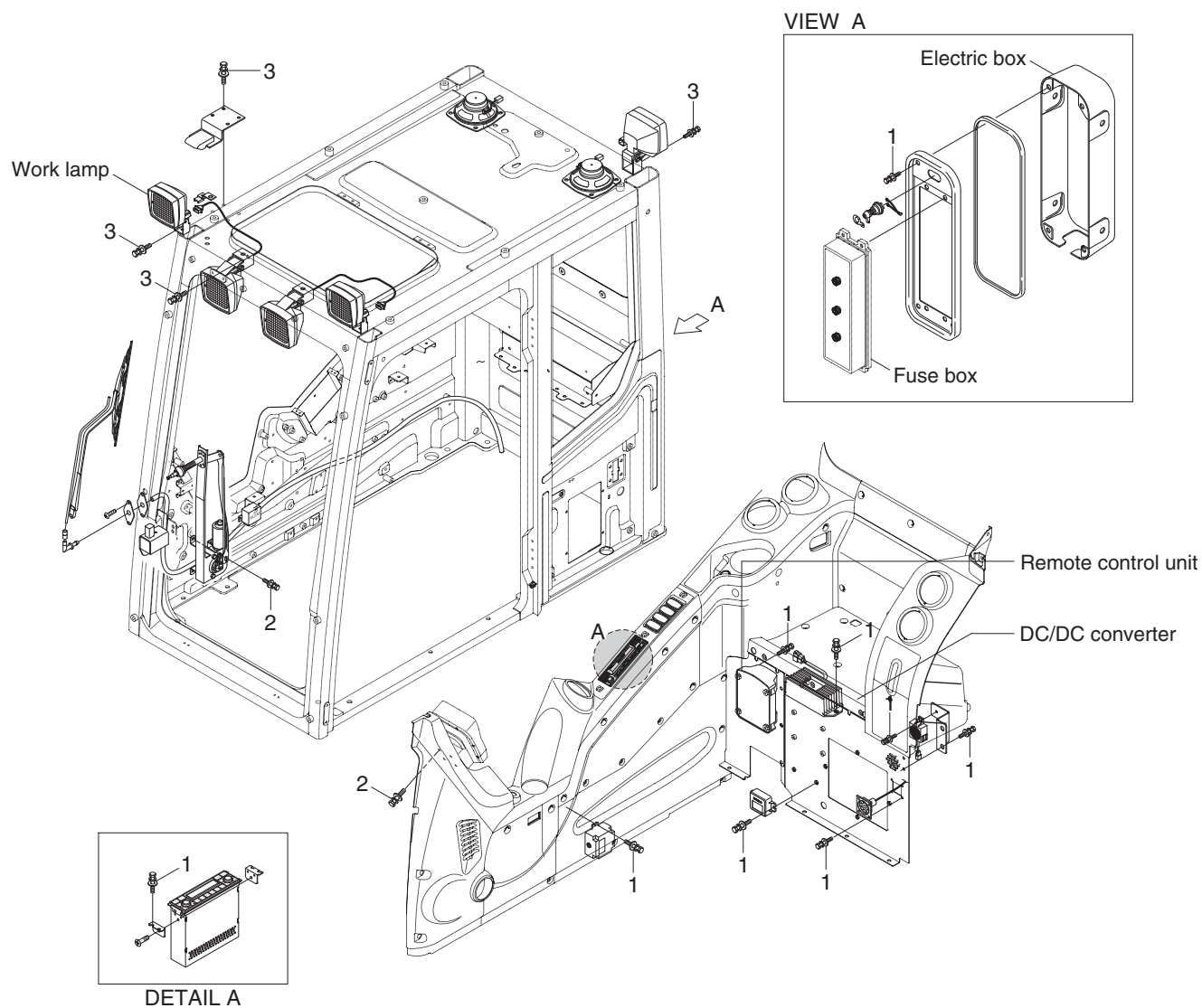
HX260L9CM03

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6

Item	Size	kgf · m	lbf · ft
3	M10×1.5	6.9±1.4	49.9±10.1
4	M12×1.75	12.8±3.0	92.6±21.7

ELECTRIC COMPONENTS MOUNTING 2



HX260L9CM04

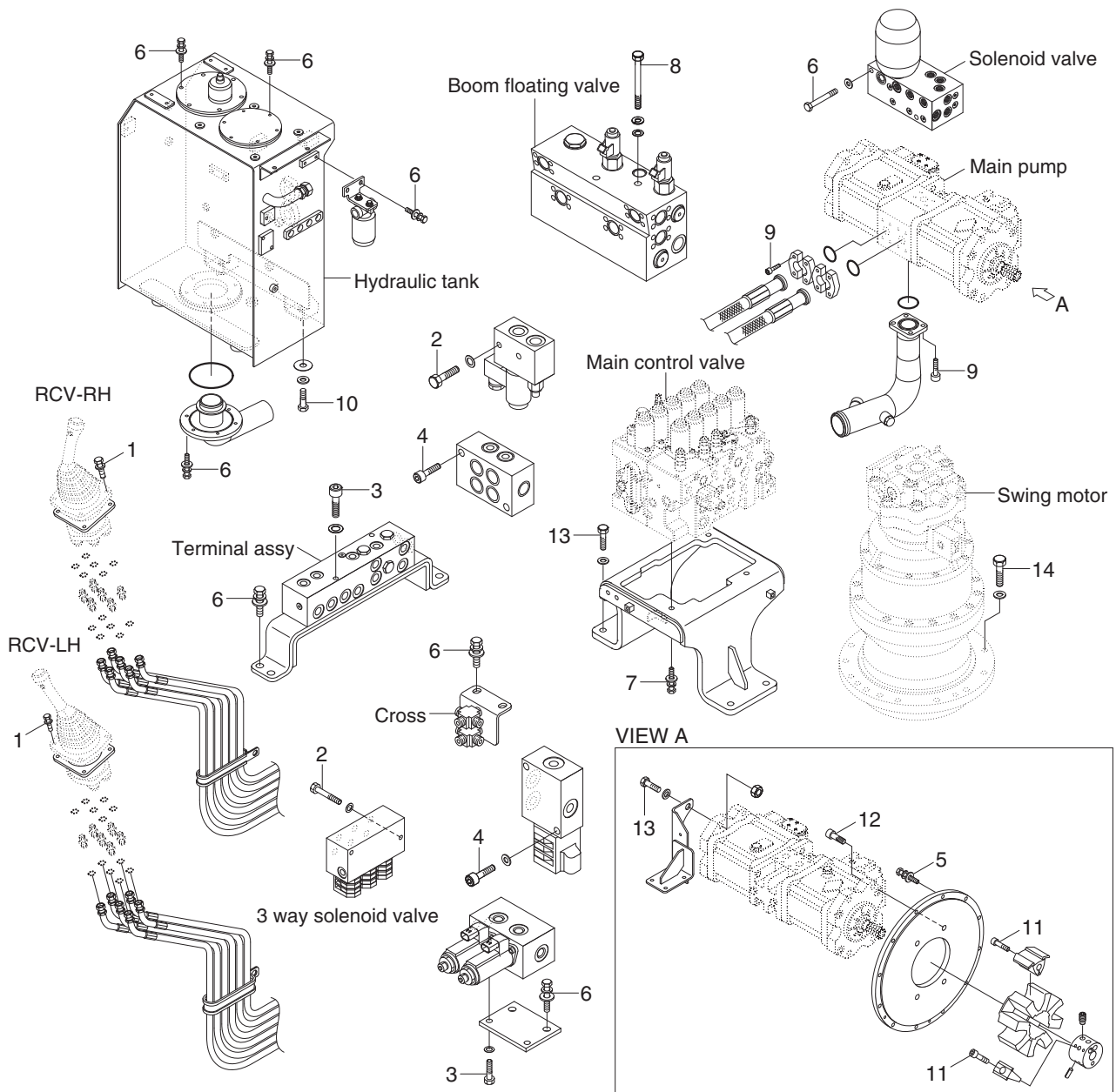
· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6

Item	Size	kgf · m	lbf · ft
3	M10×1.5	6.9±1.4	49.9±10.1

GROUP 4 HYDRAULIC SYSTEM

HYDRAULIC COMPONENTS MOUNTING 1



HX260L9CM05

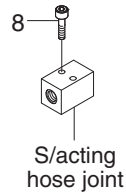
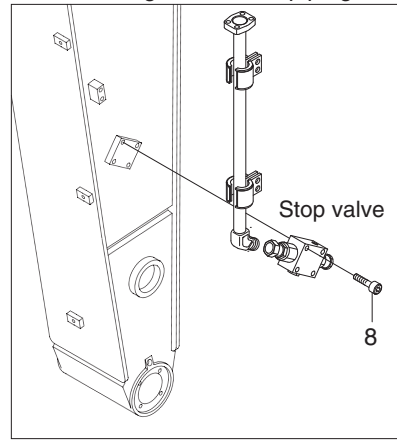
· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6
3	M 8×1.25	3.43±0.7	24.8±5.1
4	M 8×1.25	4.05±0.8	29.3±5.8
5	M10×1.5	4.8±0.3	347±2.2
6	M10×1.5	6.9±1.4	49.9±10.1
7	M12×1.75	12.3±1.3	89.0±9.4

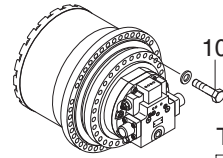
Item	Size	kgf · m	lbf · ft
8	M12×1.75	12.8±3.0	92.6±21.7
9	M12×1.75	14.7±2.2	106±15.9
10	M20×2.5	46±5.1	333±36.9
11	M 8×2.5	32±1.0	231±7.2
12	M20×2.5	42±4.0	304±28.9
13	M20×2.5	57.9±8.7	419±62.9
14	M24×3.0	97.8±10	707±72.3

HYDRAULIC COMPONENTS MOUNTING 2

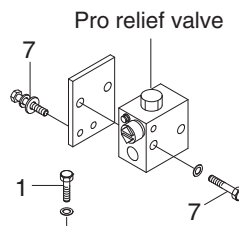
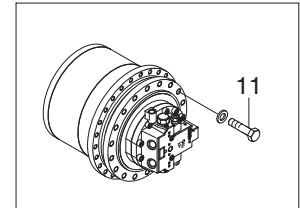
Double acting attachment piping



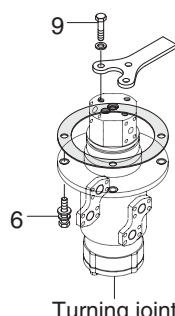
Travel motor(type 1)



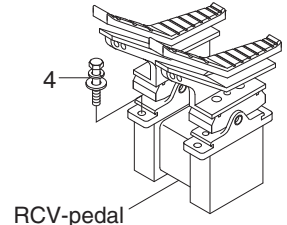
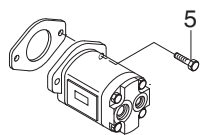
Travel motor(type 2)



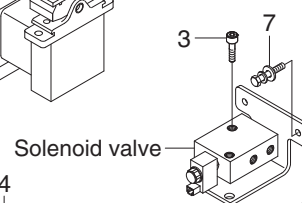
Pro relief valve



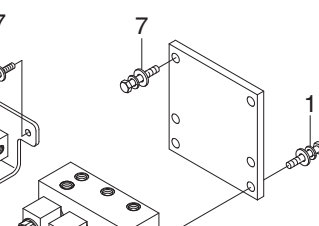
Turning joint



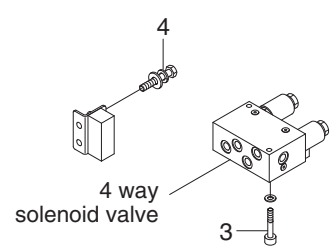
RCV-pedal



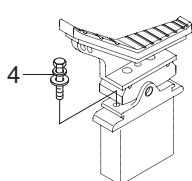
Solenoid valve



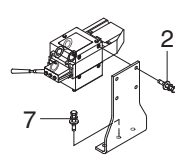
Solenoid valve



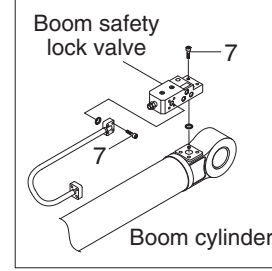
4 way solenoid valve



D/acting single pedal



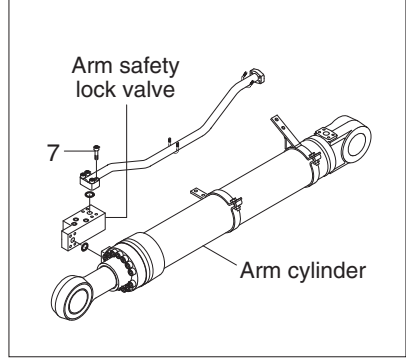
Boom safety lock system



Boom safety lock valve

Boom cylinder

Arm safety lock system



Arm safety lock valve

Arm cylinder

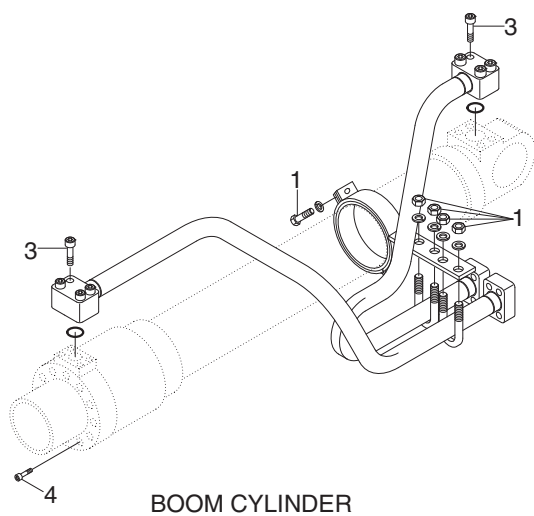
HX260L9CM06

· Tightening torque

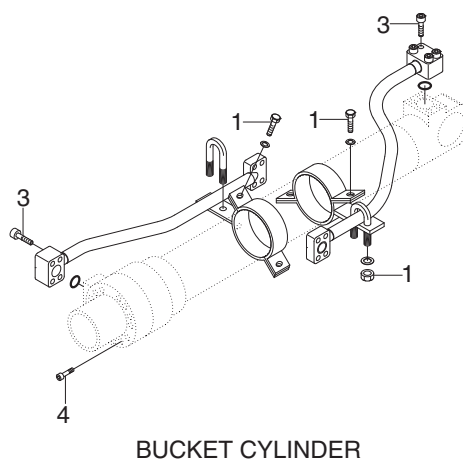
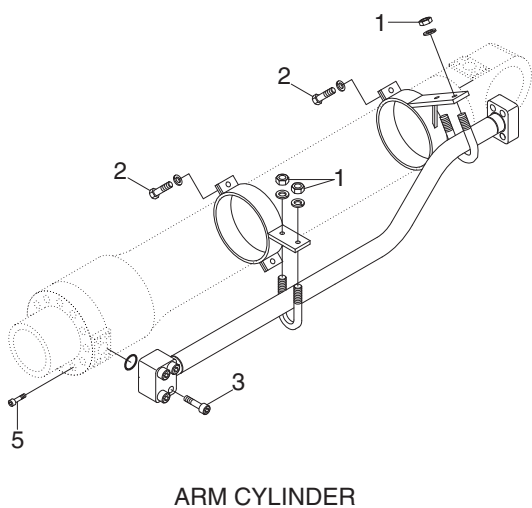
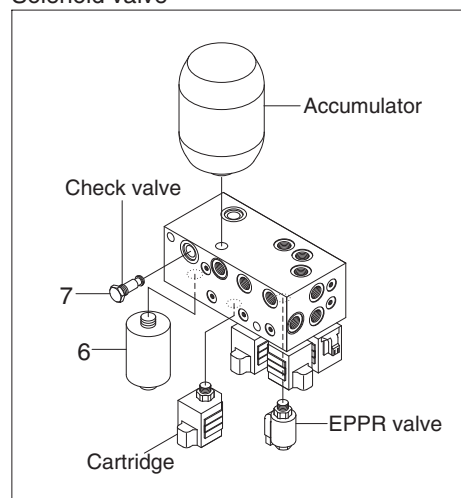
Item	Size	kgf · m	lbf · ft
1	M 8×1.25	2.5±0.5	18.1±3.6
2	M 8×1.25	3.43±0.7	24.8±5.1
3	M 8×1.25	4.05±0.8	29.3±5.8
4	M10×1.5	6.9±1.4	49.9±10.1
5	M10×1.5	8.27±1.7	59.8±12.3
6	M12×1.75	12±1.3	86.8±9.4

Item	Size	kgf · m	lbf · ft
7	M12×1.75	12.8±3.0	92.6±21.7
8	M12×1.75	14.7±2.2	106±15.9
9	M14×2.0	19.6±2.9	142±21.0
10	M16×2.0	23±2.5	166±18.1
11	M24×3.0	84±8.0	608±57.9
-	-	-	-

HYDRAULIC COMPONENTS MOUNTING 3



Solenoid valve



2609A9CM07

· Tightening torque

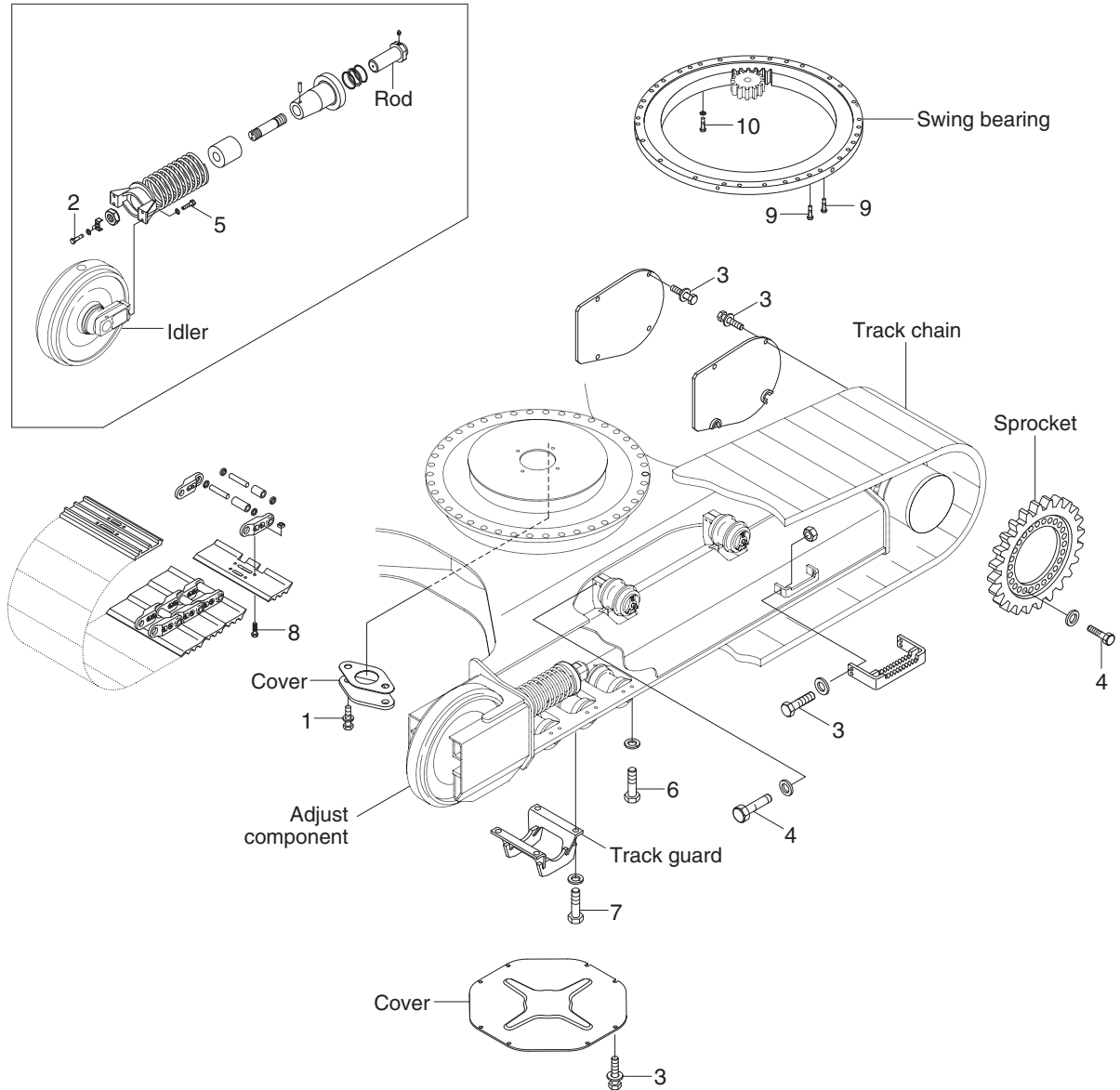
Item	Size	kgf · m	lbf · ft
1	M10×1.5	3.2±0.3	23.1±2.2
2	M12×1.75	5.5±0.6	39.8±4.3
3	M12×1.75	9.4±1.0	68.0±7.2
4	M18×2.5	32±3.0	232±21.7

Item	Size	kgf · m	lbf · ft
5	M20×2.5	46±5	333±36.2
6	Line filter	2.5	18.0
7	Check valve	4.0	28.9
-	-	-	-

GROUP 5 UNDERCARRIAGE

UNDERCARRIAGE MOUNTING

ADJUST COMPONENT



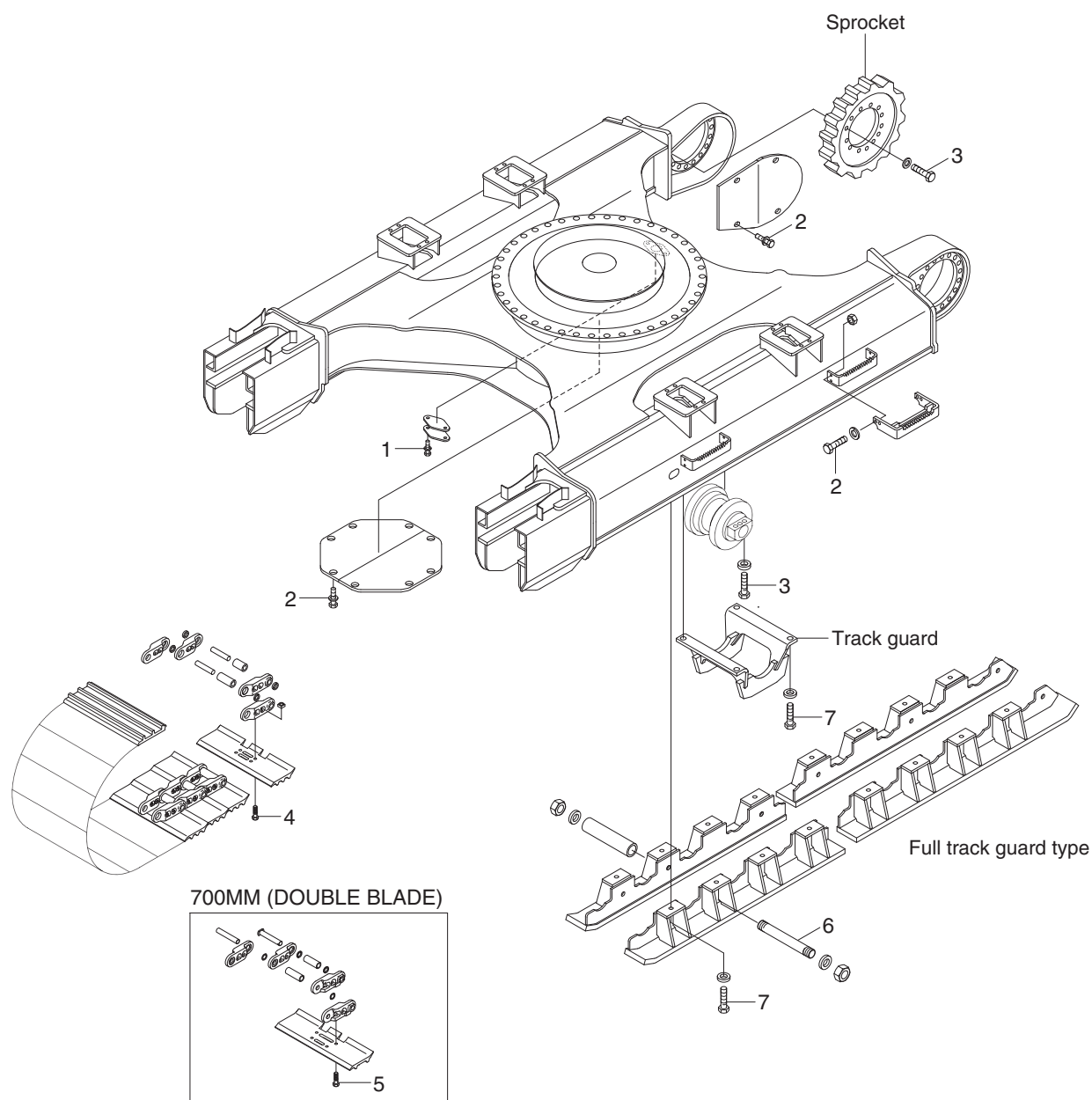
HX260L9CM08

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M10×1.5	6.9±1.4	49.9±10.1
2	M12×1.25	13.3±2.7	96.2±19.5
3	M12×1.75	12.8±3.0	92.6±21.7
4	M16×2.0	29.7±3.0	215±21.7
5	M16×2.0	29.7±4.5	215±32.5

Item	Size	kgf · m	lbf · ft
6	M20×2.5	57.9±6.0	419±43.4
7	M20×2.5	57.9±8.7	419±62.9
8	M20×1.5	78±8.0	564±57.9
9	M22×2.5	77.4±8.0	560±57.9
10	M24×3.0	100±10	723±72.3

UNDERCARRIAGE MOUNTING (HIGH WALKER)



HX260L9CM09

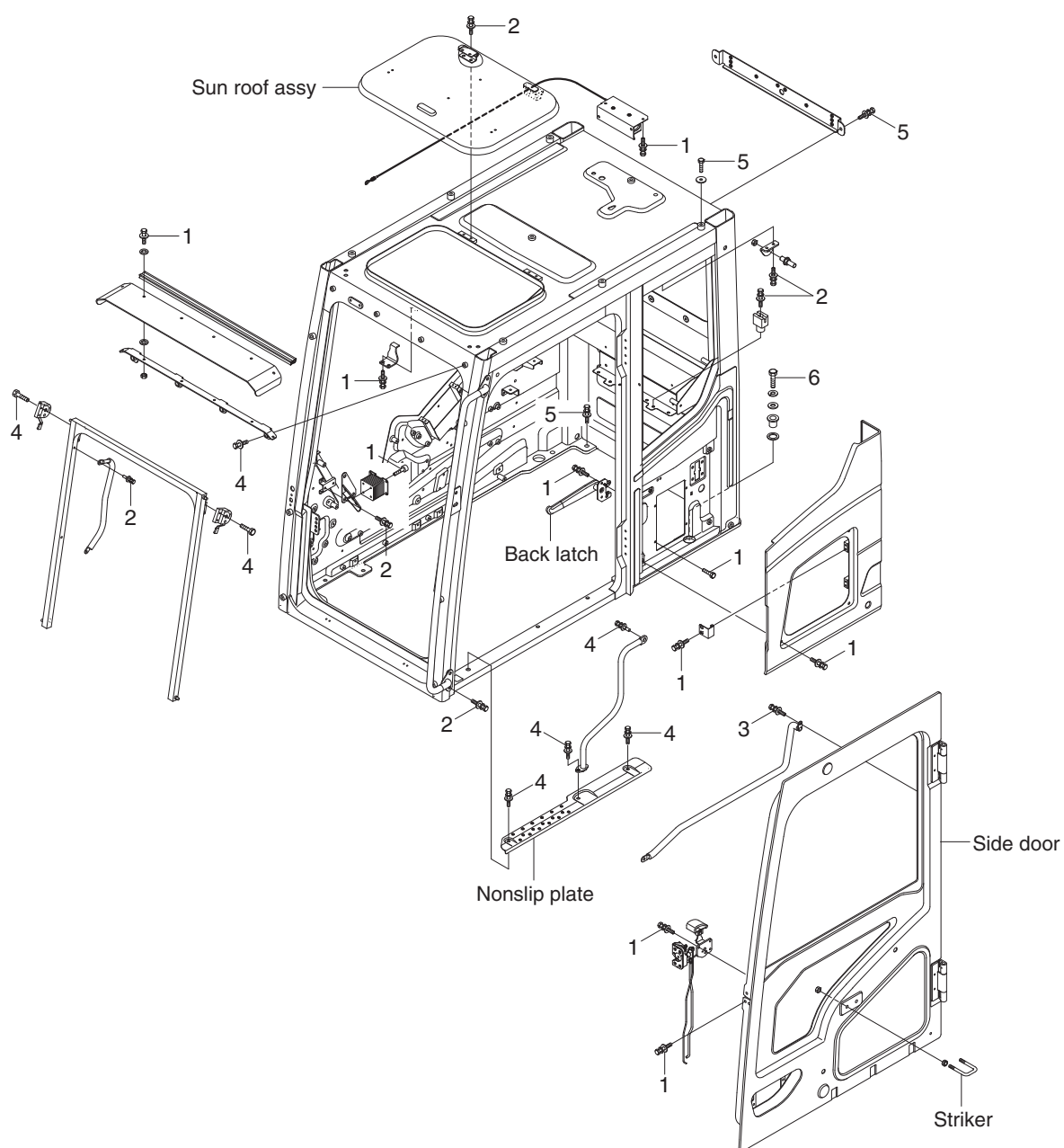
· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M10×1.5	6.9±1.4	49.9±10.1
2	M12×1.75	12.8±3.0	92.6±21.7
3	M20×2.5	57.9±6.0	419±43.4
4	M22×1.5	123±6.0	890±43.4

Item	Size	kgf · m	lbf · ft
5	M24×1.5	140±10	1013±72.3
6	M24×3.0	100±15	723±108
7	M24×3.0	100±15	1013±108
-	-	-	-

GROUP 6 STRUCTURE

CAB AND ACCESSORIES MOUNTING



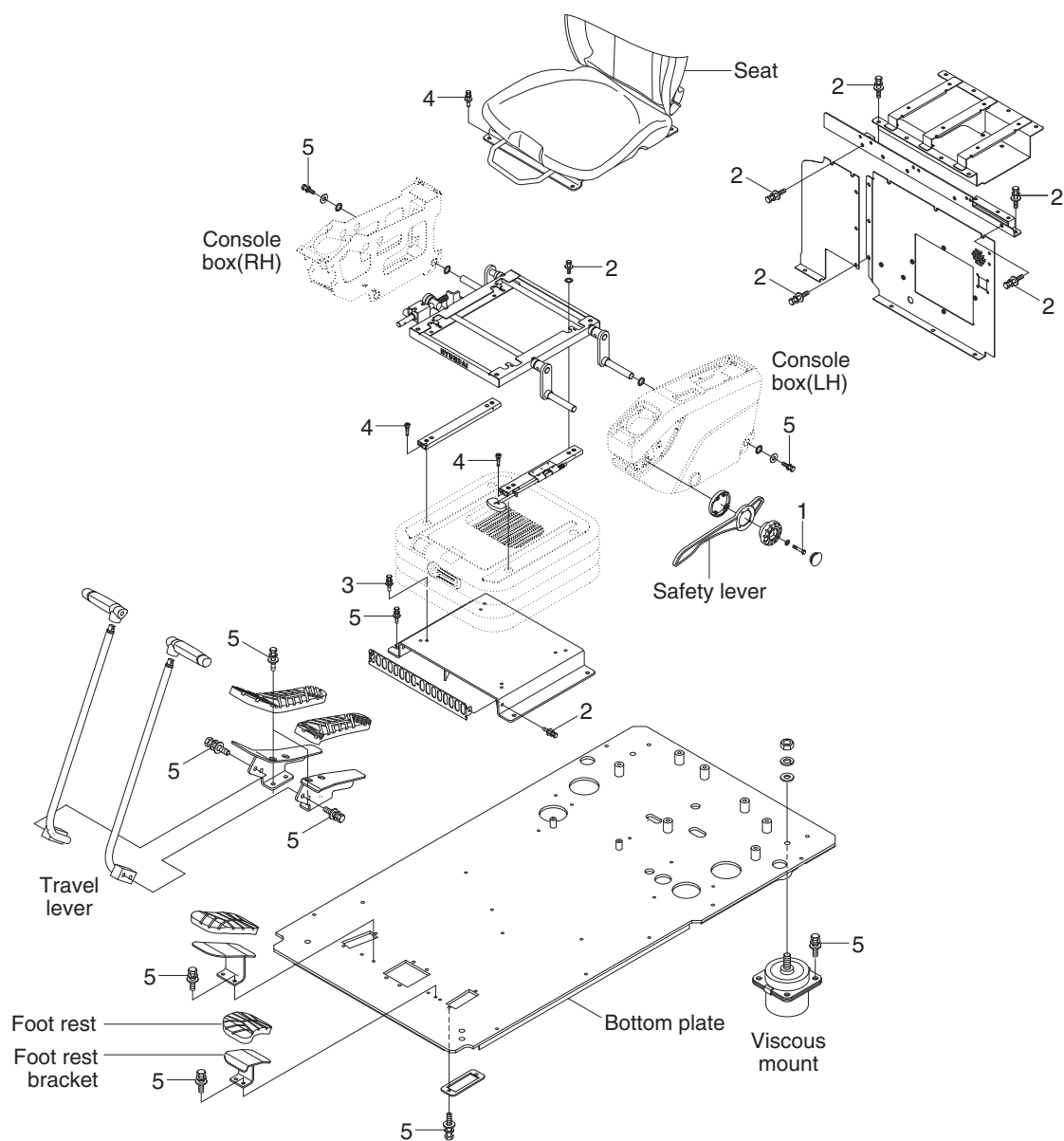
HX260L9CM10

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6
3	M 8×1.25	3.43±0.7	24.8±5.1

Item	Size	kgf · m	lbf · ft
4	M10×1.5	6.9±1.4	49.9±10.1
5	M12×1.75	12.8±3.0	92.6±21.7
6	M24×3.0	100±15	723±108

CAB INTERIOR MOUNTING



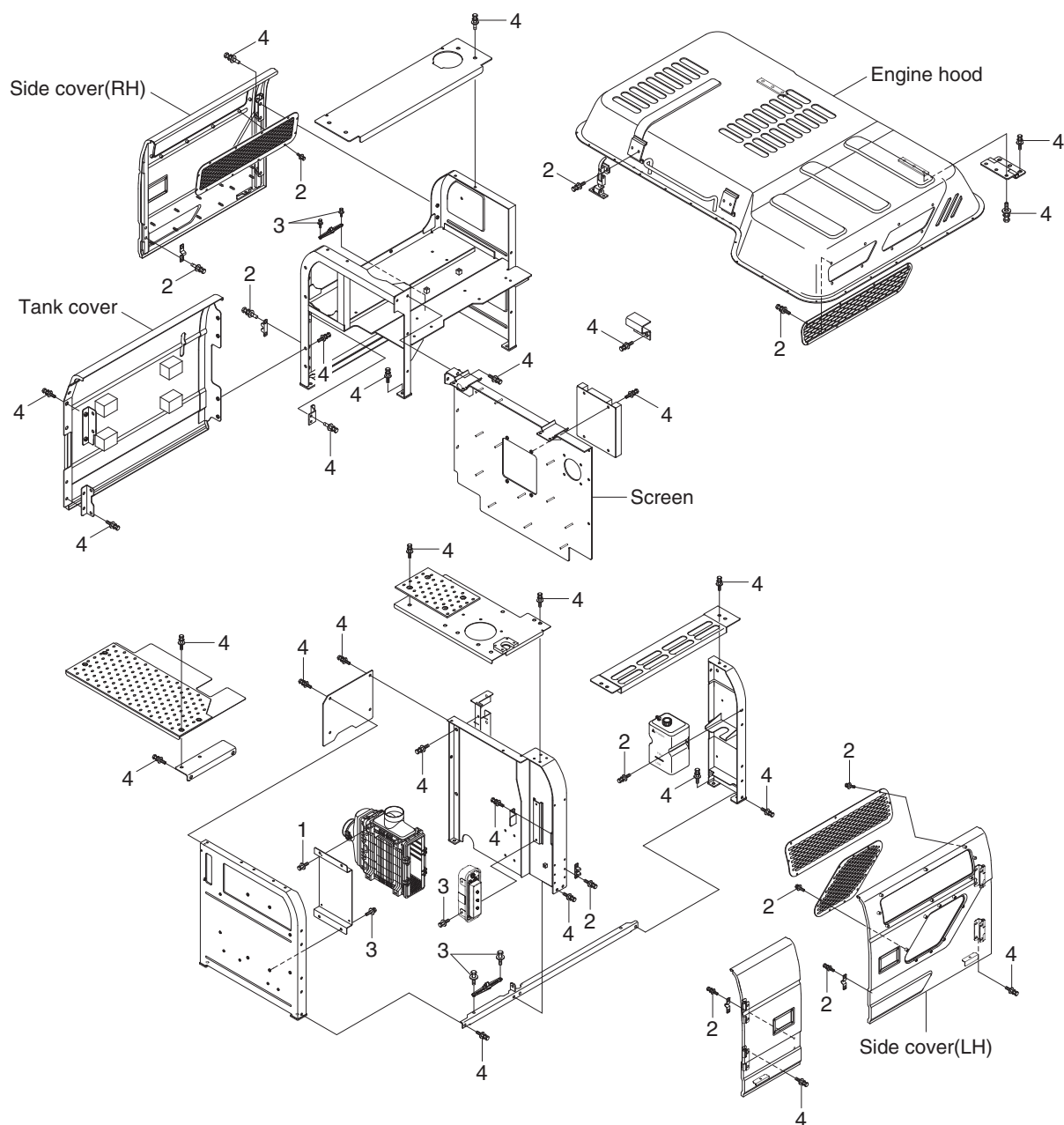
HX260L9CM11

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6
3	M 8×1.25	3.43±0.7	24.8±5.1

Item	Size	kgf · m	lbf · ft
4	M 8×1.25	4.05±0.8	29.3±5.8
5	M10×1.5	6.9±1.4	49.9±10.1
-	-	-	-

COWLING MOUNTING



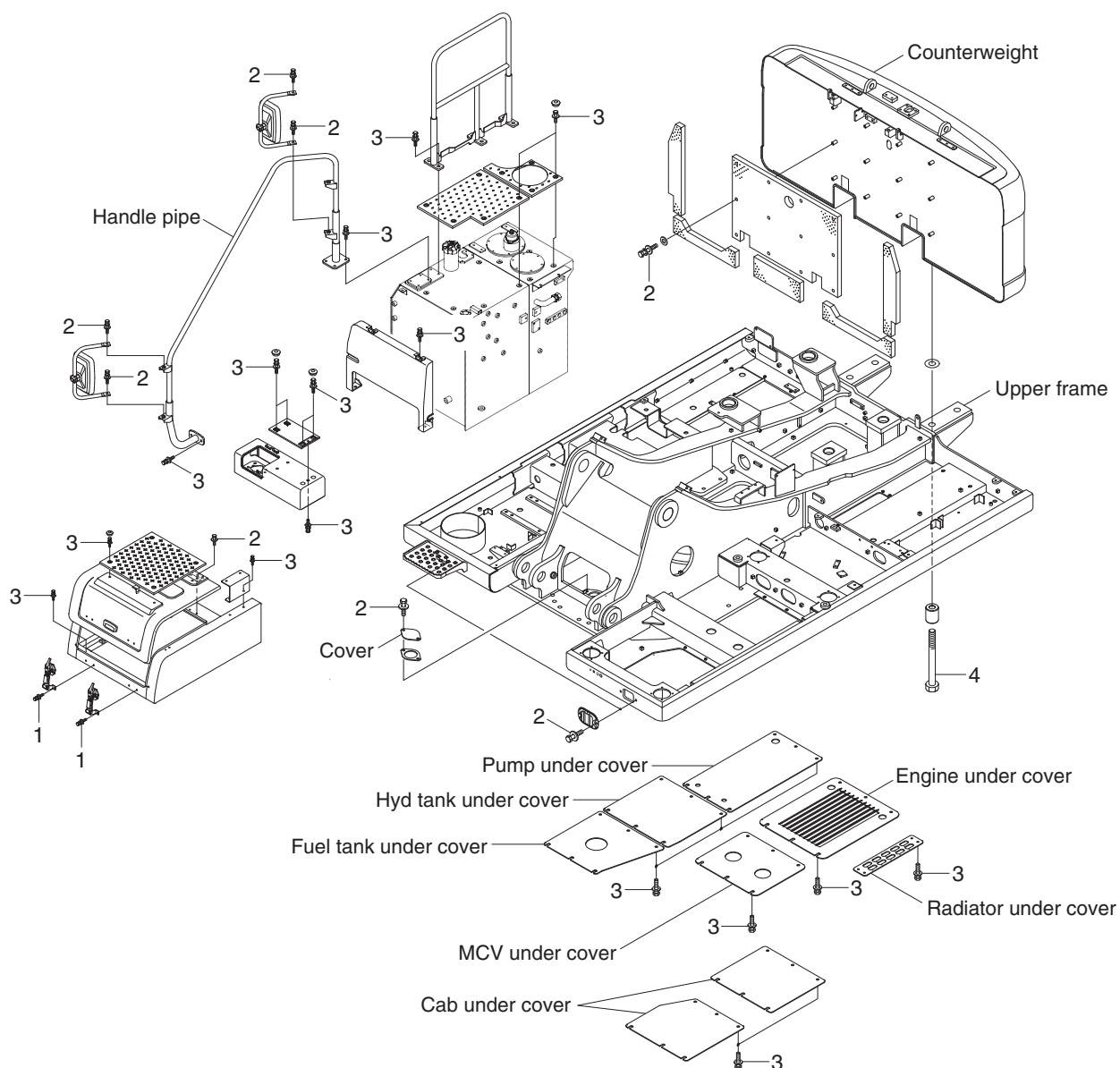
HX260L9CM12

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 6×1.0	1.05±0.2	7.6±1.45
2	M 8×1.25	2.5±0.5	18.1±3.6

Item	Size	kgf · m	lbf · ft
3	M10×1.5	6.9±1.4	49.9±10.1
4	M12×1.75	12.8±3.0	92.6±21.7

COUNTERWEIGHT AND COVERS MOUNTING



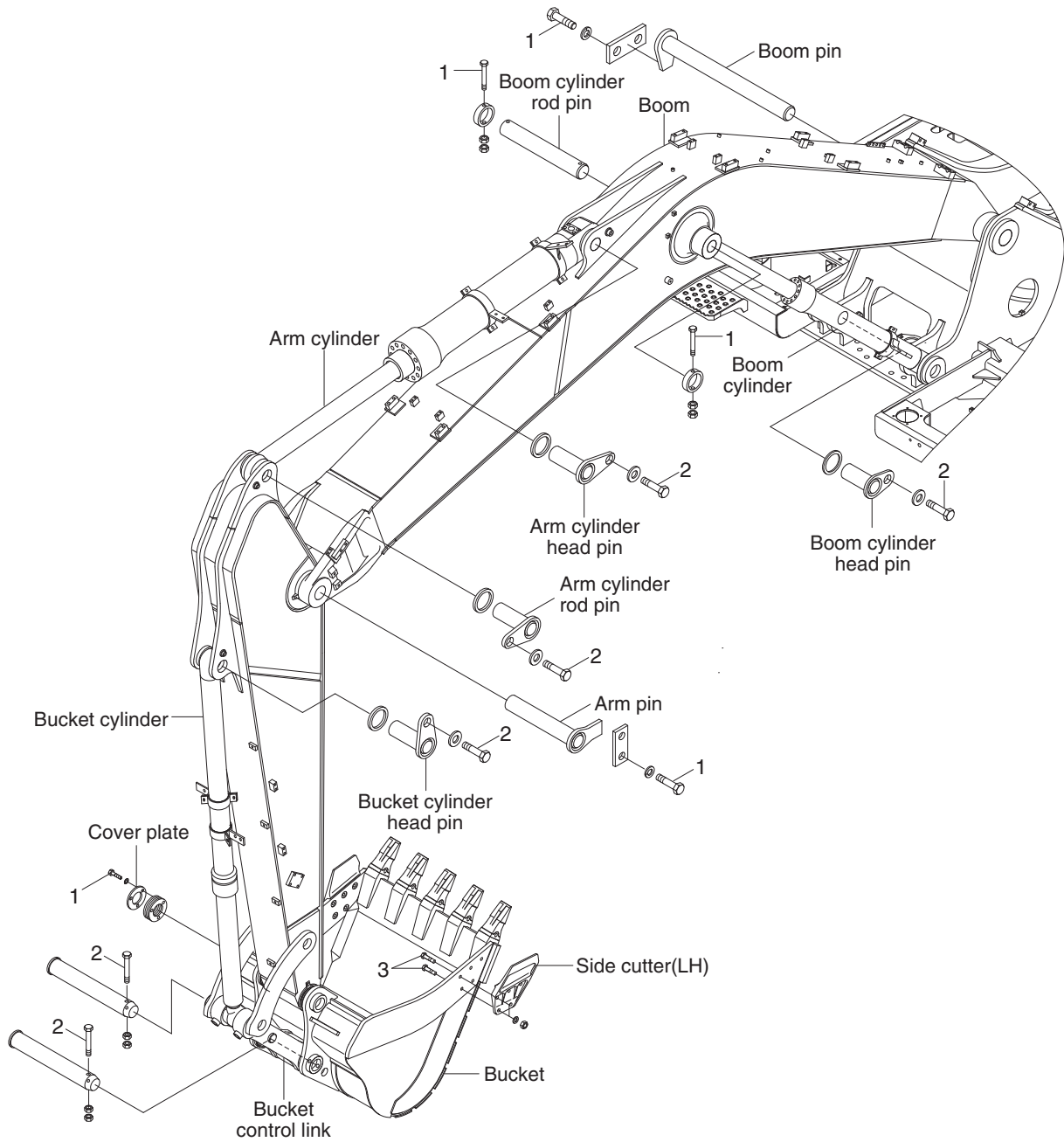
HX260L9CM13

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M 8×1.25	2.5±0.5	18.1±3.6
2	M10×1.5	6.9±1.4	49.9±10.1

Item	Size	kgf · m	lbf · ft
3	M12×1.75	12.8±3.0	92.6±21.7
4	M36×3.0	308±46	2228±333

GROUP 7 WORK EQUIPMENT



HX260L9CM14

· Tightening torque

Item	Size	kgf · m	lbf · ft
1	M16×2.0	29.7±4.5	215±32.5
2	M20×2.5	57.9±8.7	419±62.9

Item	Size	kgf · m	lbf · ft
3	M22×2.5	81.9±16.1	592±116