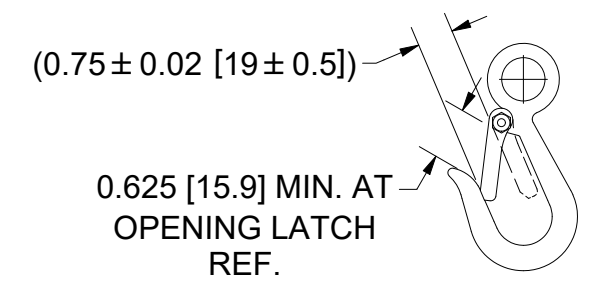
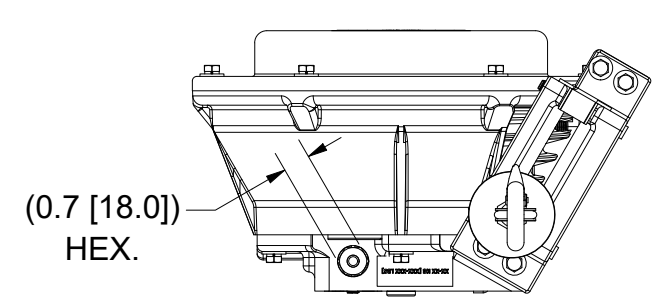
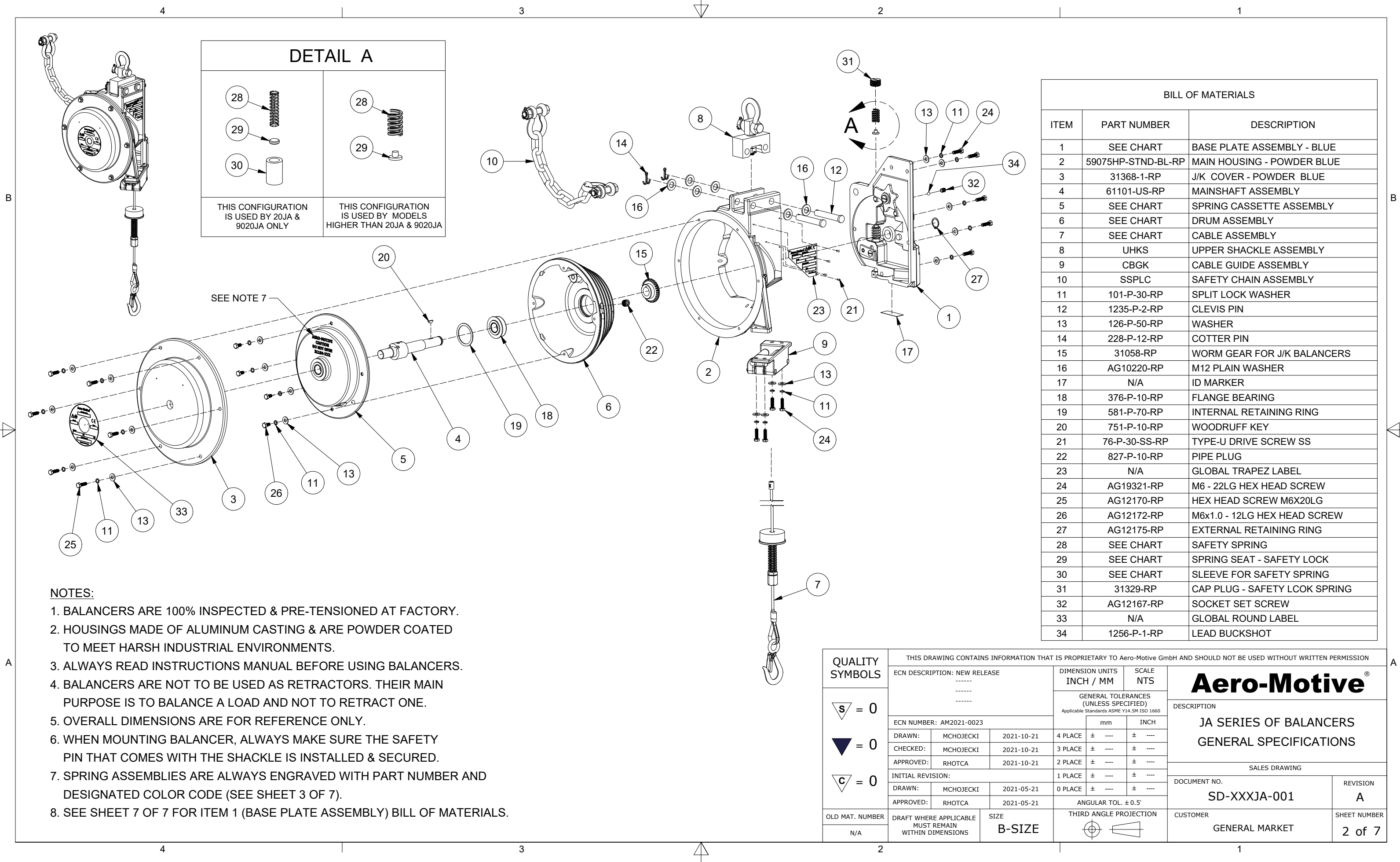


NOTE:
 - DIMENSIONS ARE FOR REFERENCE ONLY.
 - BALANCERS ALWAYS COMES EQUIPPED WITH SAFETY CHAIN.
 VIEWS W/O CHAIN ARE FOR REFERENCE ONLY TO SHOW MAJOR BALANCER CHARACTERISTICS.



DETAIL A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
QUALITY SYMBOLS	ECN DESCRIPTION: NEW RELEASE			DIMENSION UNITS INCH / MM		SCALE NTS		Aero-Motive® DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS	
	ECN NUMBER: AM2021-0023			mm		INCH			
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	APPROVED: RHOTCA 2021-10-21			2 PLACE ± --- ± ---		0 PLACE ± --- ± ---			
	INITIAL REVISION:			ANGULAR TOL. ± 0.5°				CUSTOMER GENERAL MARKET	
OLD MAT. NUMBER	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B-SIZE		THIRD ANGLE PROJECTION		SHEET NUMBER 1 of 7	
N/A									



DETAIL A

THIS CONFIGURATION IS USED BY 20JA & 9020JA ONLY	THIS CONFIGURATION IS USED BY MODELS HIGHER THAN 20JA & 9020JA

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION
1	SEE CHART	BASE PLATE ASSEMBLY - BLUE
2	59075HP-STND-BL-RP	MAIN HOUSING - POWDER BLUE
3	31368-1-RP	J/K COVER - POWDER BLUE
4	61101-US-RP	MAINSHAFT ASSEMBLY
5	SEE CHART	SPRING CASSETTE ASSEMBLY
6	SEE CHART	DRUM ASSEMBLY
7	SEE CHART	CABLE ASSEMBLY
8	UHKS	UPPER SHACKLE ASSEMBLY
9	CBGK	CABLE GUIDE ASSEMBLY
10	SSPLC	SAFETY CHAIN ASSEMBLY
11	101-P-30-RP	SPLIT LOCK WASHER
12	1235-P-2-RP	CLEVIS PIN
13	126-P-50-RP	WASHER
14	228-P-12-RP	COTTER PIN
15	31058-RP	WORM GEAR FOR J/K BALANCERS
16	AG10220-RP	M12 PLAIN WASHER
17	N/A	ID MARKER
18	376-P-10-RP	FLANGE BEARING
19	581-P-70-RP	INTERNAL RETAINING RING
20	751-P-10-RP	WOODRUFF KEY
21	76-P-30-SS-RP	TYPE-U DRIVE SCREW SS
22	827-P-10-RP	PIPE PLUG
23	N/A	GLOBAL TRAPEZ LABEL
24	AG19321-RP	M6 - 22LG HEX HEAD SCREW
25	AG12170-RP	HEX HEAD SCREW M6X20LG
26	AG12172-RP	M6x1.0 - 12LG HEX HEAD SCREW
27	AG12175-RP	EXTERNAL RETAINING RING
28	SEE CHART	SAFETY SPRING
29	SEE CHART	SPRING SEAT - SAFETY LOCK
30	SEE CHART	SLEEVE FOR SAFETY SPRING
31	31329-RP	CAP PLUG - SAFETY LOCK SPRING
32	AG12167-RP	SOCKET SET SCREW
33	N/A	GLOBAL ROUND LABEL
34	1256-P-1-RP	LEAD BUCKSHOT

- NOTES:**
- BALANCERS ARE 100% INSPECTED & PRE-TENSIONED AT FACTORY.
 - HOUSINGS MADE OF ALUMINUM CASTING & ARE POWDER COATED TO MEET HARSH INDUSTRIAL ENVIRONMENTS.
 - ALWAYS READ INSTRUCTIONS MANUAL BEFORE USING BALANCERS.
 - BALANCERS ARE NOT TO BE USED AS RETRACTORS. THEIR MAIN PURPOSE IS TO BALANCE A LOAD AND NOT TO RETRACT ONE.
 - OVERALL DIMENSIONS ARE FOR REFERENCE ONLY.
 - WHEN MOUNTING BALANCER, ALWAYS MAKE SURE THE SAFETY PIN THAT COMES WITH THE SHACKLE IS INSTALLED & SECURED.
 - SPRING ASSEMBLIES ARE ALWAYS ENGRAVED WITH PART NUMBER AND DESIGNATED COLOR CODE (SEE SHEET 3 OF 7).
 - SEE SHEET 7 OF 7 FOR ITEM 1 (BASE PLATE ASSEMBLY) BILL OF MATERIALS.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

QUALITY SYMBOLS	ECN DESCRIPTION: NEW RELEASE	DIMENSION UNITS INCH / MM	SCALE NTS	Aero-Motive® DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS
	ECN NUMBER: AM2021-0023	GENERAL TOLERANCES (UNLESS SPECIFIED) Applicable Standards ASME Y14.5M ISO 1660		
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	APPROVED: RHOTCA 2021-05-21	ANGULAR TOL. ± 0.5°		REVISION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE B-SIZE	THIRD ANGLE PROJECTION	GENERAL MARKET
				SHEET NUMBER 2 of 7

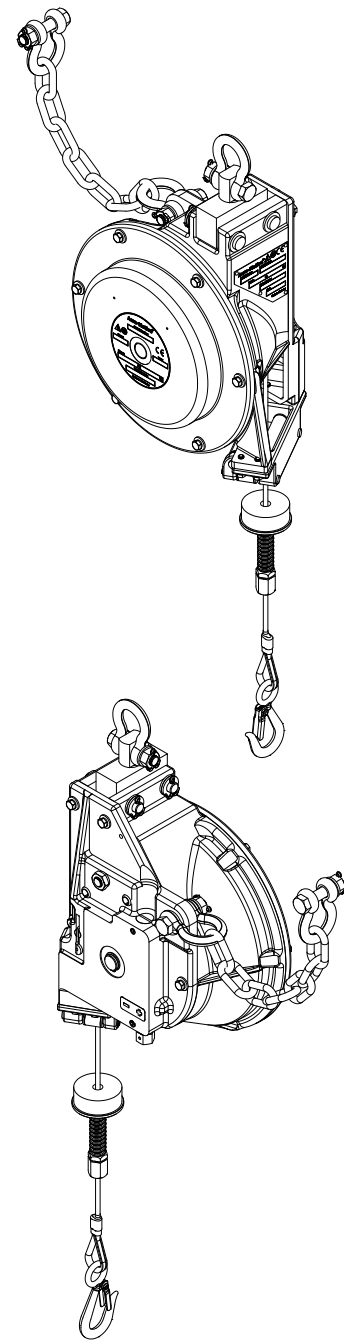
4

3

2

1

BALANCER BASE MODEL	WEIGHT RANGE		CABLE TRAVEL		ITEMS INDEX								
	LBS	KGS	FEET	METER	ITEM 1 BASE PLATE ASSEMBLY	ITEM 5 - SPRING CASSETTE ASS'Y			ITEM 6 DRUM ASSEMBLY	ITEM 7 CABLE ASSEMBLY	ITEM 28 SAFETY SPRING	ITEM 29 SPRING SEAT	ITEM 30 SPRING SLEEVE
						PART NUMBER	TYPE OF SPRING	COLOR CODE					
20JA	13 - 25	6 - 11	7	2.1	59568-71-RP	31184-20	BANDED	○ WHITE	31091-1-RP	CBALT7	31067-RP	31069-RP	31330-RP
30JA	24 - 35	11 - 16				31184-30	BANDED	● CHERRY			C60530352-RP	M23030010-RP	N/A
40JA	29 - 45	13 - 20				31184-40	BANDED	● ORANGE					N/A
50JA	40 - 55	18 - 25				31184-50	BANDED	● BLACK					N/A
60JA	55 - 65	25 - 30				31184-60	BANDED	● GREEN			▼		N/A
70JA	53 - 70	24 - 32				31184-70	BANDED	● ALUMINUM			C60530351-RP		N/A
80JA	68 - 86	31 - 39				31184-80	BANDED	● BLUE					N/A
90JA	79 - 90	36 - 41				31184-90	RIVETED	● ALUMINUM					N/A
100JA	88 - 100	40 - 45	▼	▼	▼	31184-100	BANDED	● PURPLE	▼	▼	▼	▼	N/A
----	----	----	----	----	----	----	----	----	----	----	----	----	----
9020JA	10 - 20	4 - 9	9	2.7	59570-71-RP	31184-9020	BANDED	○ WHITE	31091-2-RP	CBALT9	31067-RP	31069-RP	31330-RP
9030JA	20 - 30	9 - 14				31184-9030	BANDED	● RED			C60530352-RP	M23030010-RP	N/A
9040JA	30 - 40	13 - 18				31184-40	BANDED	● ORANGE					N/A
9050JA	40 - 50	18 - 23				31184-50	BANDED	● BLACK					N/A
9060JA	50 - 65	23 - 29	▼	▼	▼	31184-9060	BANDED	● GREEN	▼	▼	▼	▼	N/A
9070JA	65 - 72	29 - 33	▼	▼	▼	31184-9070	BANDED	● ALUMINUM	▼	▼	C60530351-RP	▼	N/A



CUSTOMIZED "JA" BALANCERS

BALANCER BASE MODEL WITH SUFFIX	EXAMPLE	BALANCER DESCRIPTION	NOTES
-RL	XXXJA-RL (EX.100JA-RL)	BALANCER W/REMOTE MANUAL SAFETY LOCK	SEE DRAWING SD-XXXJA-RL-001
-CA	XXXJA-CA (EX.100JA-CA)	BALANCER W/SPRING ASSEMBLY CABLE ARREST MECHANISM	SEE DRAWING SD-XXXJA-CA-001
-SS	XXXJA-SS (EX.100JA-SS)	BALANCER W/CUSTOM STAINLESS STEEL CABLE & STANDARD STAINLESS STEEL HOOK HOOK	SEE SHEET 4
B	XXXJAB (EX.100JAB)	BALANCER W/CUSTOM CABLE WITH BULLARD HOOK	SEE SHEET 4
C	XXXJAC (EX.100JAC)	BALANCER W/CUSTOM CABLE WITH WIRE ROPE CLAMPS & STANDARD HOOK	SEE SHEET 4
X	XXXJAX (EX.100JAX)	BALANCER W/CUSTOM CABLE WITH INSULATED THIMBLE & STANDARD HOOK	SEE SHEET 4
S	XXXJAS (EX.100JAS)	BALANCER W/CUSTOM CABLE WITH 360° SWIVEL ASSEMBLY & STANDARD HOOK	SEE SHEET 4
E	XXXJAE (EX.100JAE)	BALANCER W/CUSTOM CABLE WITH 360° SWIVEL ASSY/INSULATED THIMBLE & STANDARD HOOK	SEE SHEET 4
BC	XXXJABC (EX.100JABC)	BALANCER W/CUSTOM CABLE WITH WIRE ROPE CLAMPS & BULLARD HOOK	SEE SHEET 4
BX	XXXJABX (EX.100JABX)	BALANCER W/CUSTOM CABLE WITH HARD SWAGE / INSULATED THIMBLE & BULLARD HOOK	SEE SHEET 4
BCX	XXXJABCX (EX.100JABCX)	BALANCER W/CUSTOM CABLE WITH WIRE ROPE CLAMPS/ INSULATED THIMBLE & BULLARD HOOK	SEE SHEET 4

IMPORTANT

- ALL BALANCERS WITH CUSTOM CABLE ASSEMBLIES SHARE SAME PARTS AS BASE MODELS FROM THE BILL OF MATERIALS EXCEPT CABLE ASSEMBLY.
- 9 FT [2.7 M] CABLE ASSEMBLIES ARE SUITABLE WITH 9FT BALANCER (EXAMPLE: 9060JA, 9070JA ETC.)

QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	ECN DESCRIPTION: NEW RELEASE				DIMENSION UNITS INCH / MM		SCALE NTS		Aero-Motive® DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS			
	ECN NUMBER: AM2021-0023				mm		INCH					
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	CHECKED: MCHOJECKI		2021-10-21		3 PLACE ± --- ± ---							
	APPROVED: RHOTCA		2021-10-21		2 PLACE ± --- ± ---							
	INITIAL REVISION:				1 PLACE ± --- ± ---				CUSTOMER GENERAL MARKET SHEET NUMBER 3 of 7			
	DRAWN: MCHOJECKI		2021-05-21		0 PLACE ± --- ± ---							
	APPROVED: RHOTCA		2021-05-21		ANGULAR TOL. ± 0.5°							
	OLD MAT. NUMBER N/A		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B-SIZE		THIRD ANGLE PROJECTION					

4

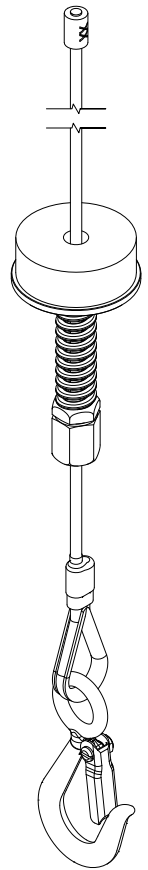
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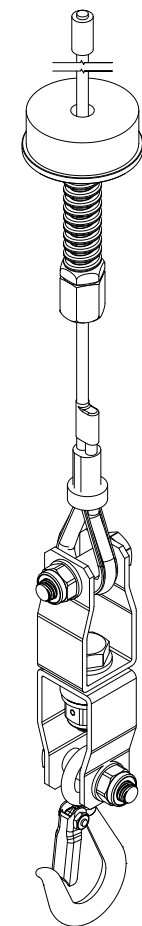
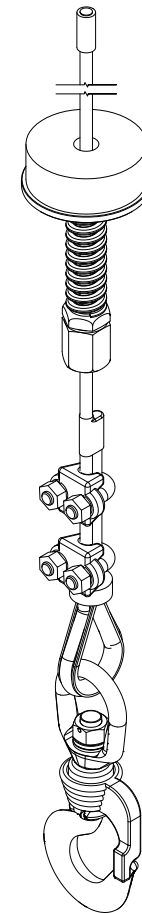
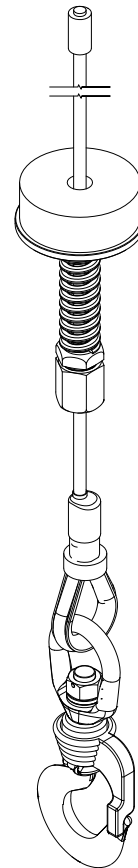
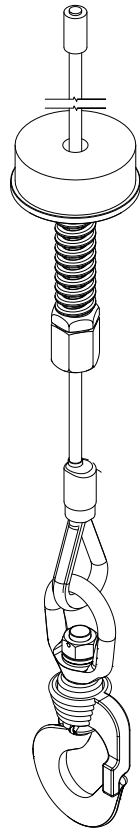
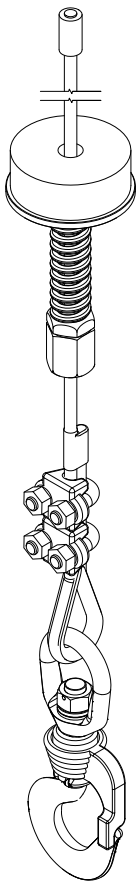
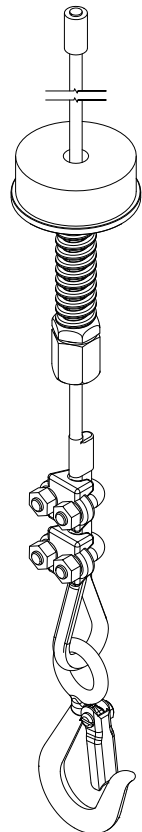
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REFERENCE TABLE TO PROVIDE CUSTOMIZED BALANCERS (W/SUFFIX) IDENTIFICATION (SEE NOTE 9)

STANDARD CABLE ASSEMBLY USED ON XXXJA SERIES OF BALANCERS (EXAMPLE: 60JA, 100JA ETC.)			CABLE ASSEMBLY USED ON XXXJAC SERIES OF BALANCERS (EXAMPLE: 160JAC, 100JAC ETC.)			CABLE ASSEMBLY USED ON XXXJABC SERIES OF BALANCERS (EXAMPLE: 60JABC, 100JABC ETC.)			CABLE ASSEMBLY USED ON XXXJAB SERIES OF BALANCER (EXAMPLE: 60JAB, 100JAB ETC.)			CABLE ASSEMBLY USED ON XXXJABX SERIES OF BALANCERS (EXAMPLE: 60JABX, 100JABX ETC.)			CABLE ASSEMBLY USED ON XXXJABCX SERIES OF BALANCERS (EXAMPLE: 60JABCX, 100JABCX ETC.)			CABLE ASSEMBLY USED ON XXXJAE SERIES OF BALANCERS (EXAMPLE: 60JAE, 100JAE ETC.)		
CABLE ASSEMBLY WITH EYE HOOK & CLIP HARD SWAGE:			CABLE ASSEMBLY WITH EYE HOOK & CLIP ADJUSTABLE CLAMPS:			CABLE ASSEMBLY WITH BULLARD HOOK & ADJUSTABLE CLAMPS:			CABLE ASSEMBLY WITH BULLARD HOOK & HARD SWAGE:			CABLE ASSEMBLY WITH BULLARD HOOK, HARD SWAGE & INSULATED THIMBLE:			CABLE ASSEMBLY WITH BULLARD HOOK, ADJUSTABLE CLAMPS & INSULATED THIMBLE:			CABLE ASSEMBLY W/SWIVEL& EYE HOOK & INSULATED; SWAGED:		
PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL		PART NUMBER	CABLE TRAVEL	
	FT	M		FT	M		FT	M		FT	M		FT	M		FT	M		FT	M
CBALT7	7	2.1	CBALTC7	7	2.1	CBALBC7	7	2.1	CBALB7	7	2.1	CBALBX7	7	2.1	CBALBCX7	7	2.1	CBALSX7	7	2.1
CBALT9	9	2.7	CBALTC9	9	2.7	CBALBC7	9	2.7	CBALB9	9	2.7	CBALBX9	9	2.7	CBALBCX9	9	2.7	CBALSX9	9	2.7



SEE NOTE 10

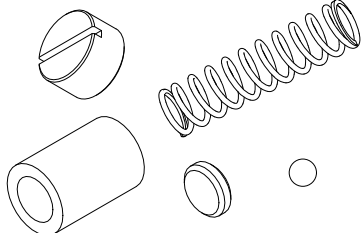
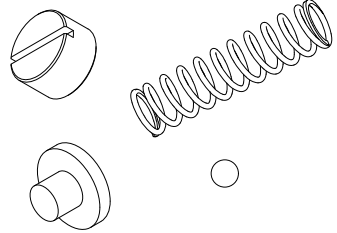
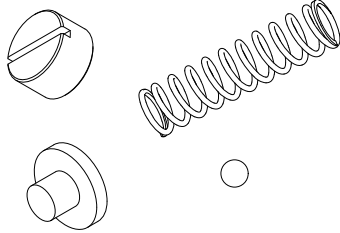


- NOTES:**
- CONTACT AERO-MOTIVE SALES REPRESENTATIVE FOR CABLE ASSEMBLIES NOT SHOWN IN THIS SHEET.
 - CABLE SHOWN REPRESENTS ALSO BALANCERS WITH SUFFIX "-SS" (STAINLESS STEEL).

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	ECN DESCRIPTION: NEW RELEASE			DIMENSION UNITS INCH / MM		SCALE NTS					DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS	
▽ = 0 ▼ = 0 ▽ = 0	ECN NUMBER: AM2021-0023			GENERAL TOLERANCES (UNLESS SPECIFIED) <small>Applicable Standards ASME Y14.5M ISO 1660</small>		mm						
OLD MAT. NUMBER	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B-SIZE		THIRD ANGLE PROJECTION		SALES DRAWING		DOCUMENT NO. SD-XXXJA-001		REVISION A	
N/A							CUSTOMER GENERAL MARKET		SHEET NUMBER 4 of 7			

REPAIR KITS

DROP STOP ACTUATOR REPAIR KITS:

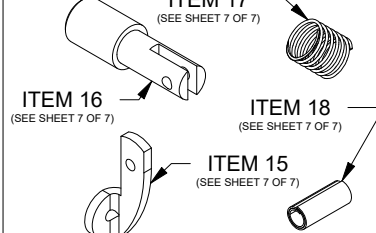
REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER
DSAJA	DSAJB	DSAJC
		
USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBERS	MODEL NUMBERS	MODEL NUMBERS
20JA, & VARIATIONS 9020JA, & VARIATIONS	30JA, & VARIATIONS 40JA, & VARIATIONS 50JA, & VARIATIONS 60JA, & VARIATIONS 9030JA, & VARIATIONS 9040JA, & VARIATIONS 9050JA, & VARIATIONS 9060JA, & VARIATIONS	70JA, & VARIATIONS 80JA, & VARIATIONS 90JA, & VARIATIONS 100JA, & VARIATIONS 9070JA, & VARIATIONS

DROP STOP LEVER REPAIR KIT:

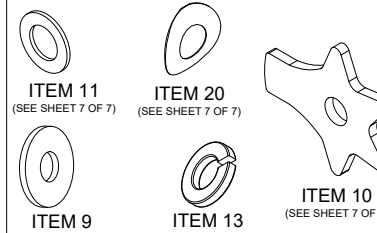
REPAIR KIT PART NUMBER
DSLK

USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBER
ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE DROP STOP ASSEMBLY
FOR ALL P/N PLEASE SEE TABLE ON SHEET 7.

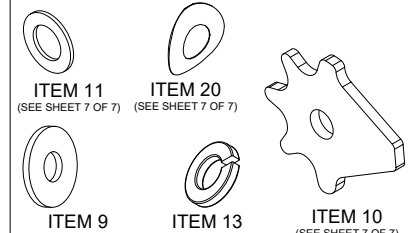
DRUM LOCK REPAIR KIT:

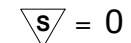

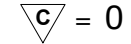
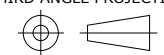
REPAIR KIT PART NUMBER
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USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBER
ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE DRUM LOCK ASSEMBLY
FOR ALL P/N PLEASE SEE TABLE ON SHEET 7.

STAR WHEEL FOR 7FT TRAVEL - REPAIR KIT:

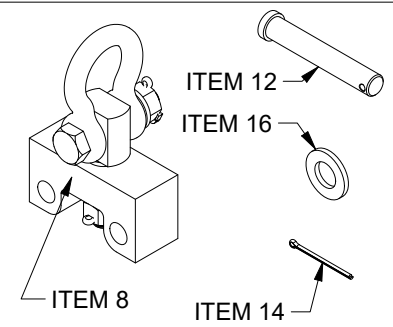
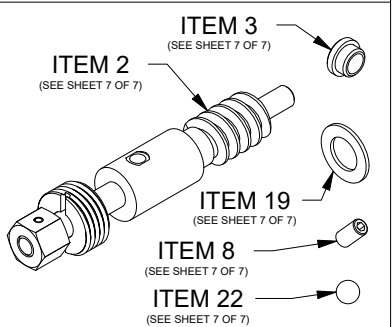
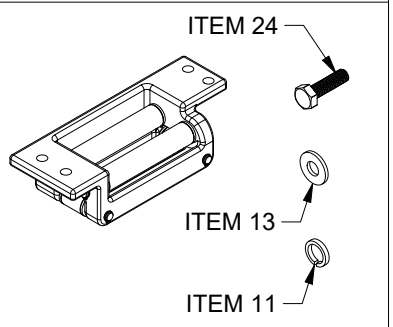
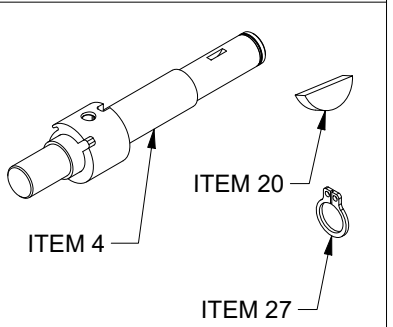
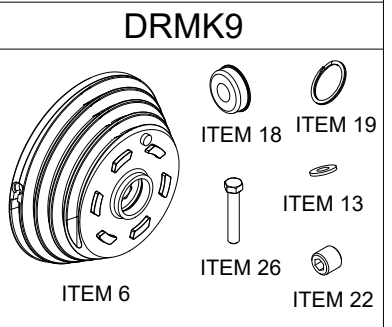
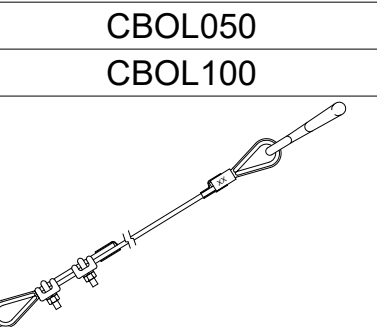
REPAIR KIT PART NUMBER
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USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBER
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FOR ALL P/N PLEASE SEE TABLE ON SHEET 7.

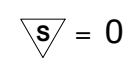

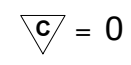
STAR WHEEL FOR 9FT TRAVEL - REPAIR KIT:

REPAIR KIT PART NUMBER
STAL9

USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBER
ALL JA MODELS WITH A 9 FT TRAVEL WILL BE USING THIS REPAIR KIT TO REPLACE THE STAR WHEEL ASSEMBLY
FOR ALL P/N PLEASE SEE TABLE ON SHEET 7.

QUALITY SYMBOLS  = 0  = 0  = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	ECN DESCRIPTION: NEW RELEASE				DIMENSION UNITS INCH / MM		SCALE NTS		Aero-Motive® DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS			
	ECN NUMBER: AM2021-0023				mm		INCH					
	DRAWN: MCHOJECKI		2021-10-21		4 PLACE ± --- ± ---		3 PLACE ± --- ± ---		SALES DRAWING DOCUMENT NO. SD-XXXJA-001			
	CHECKED: MCHOJECKI		2021-10-21		2 PLACE ± --- ± ---		2 PLACE ± --- ± ---					
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	INITIAL REVISION:				ANGULAR TOL. ± 0.5°		REVISION A					
	DRAWN: MCHOJECKI		2021-05-21		0 PLACE ± --- ± ---		0 PLACE ± --- ± ---		DOCUMENT NO. SD-XXXJA-001			
	APPROVED: RHOTCA		2021-05-21		ANGULAR TOL. ± 0.5°		ANGULAR TOL. ± 0.5°		REVISION A			
	OLD MAT. NUMBER N/A		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B-SIZE		THIRD ANGLE PROJECTION 		CUSTOMER GENERAL MARKET			
								SHEET NUMBER 5 of 7				

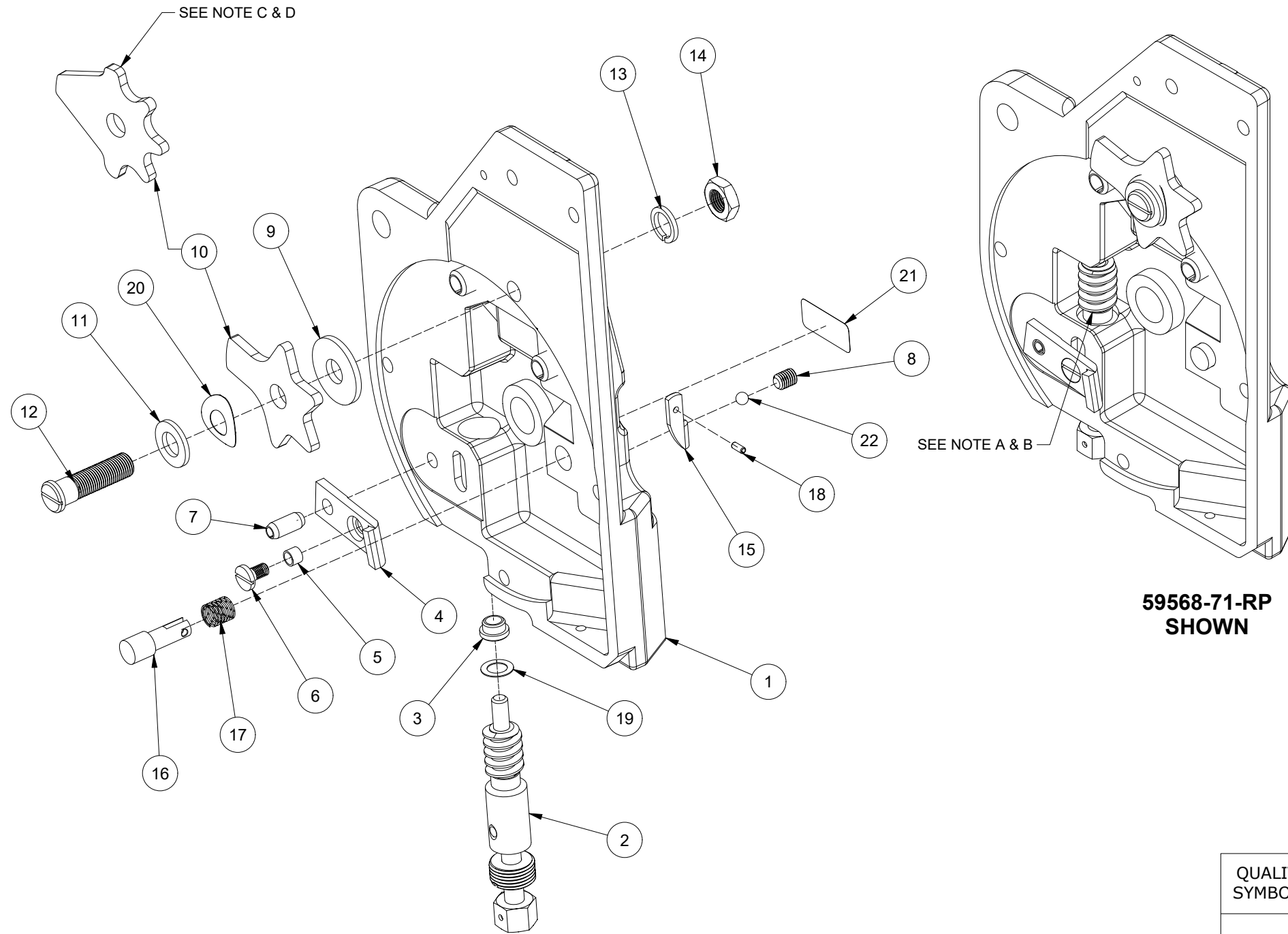
REPAIR KITS

UPPER SHACKLE ASSY FOR KA - REPAIR KIT:	WORK GEAR SHAFT ASSY FOR KA - REPAIR KIT:	CABLE GUIDE ASSEMBLY FOR KA - REPAIR KIT:	MAIN SHAFT ASSEMBLY FOR KA - REPAIR KIT:	KA DRUM FOR 7FT & 9FT TRAVEL - REPAIR KIT:	OVERHANG CABLE EXTENSIONS FOR KA:
REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER	REPAIR KIT PART NUMBER
UHKKS	WRMK	CBGK	SHFJ	DRMK7 DRMK9	CBOL020 CBOL050 CBOL100
					
USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:	USED FOR REPAIRS ON FOLLOWING MODELS:
MODEL NUMBER	MODEL NUMBER	MODEL NUMBER	MODEL NUMBER	MODEL NUMBER	MODEL NUMBER
<p>ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE UPPER SHACKLE ASSEMBLY</p> <p>FOR ALL P/N PLEASE SEE MATERIALS TABLE ON SHEETS 2 AND 3.</p>	<p>ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE WORM SHAFT ASSEMBLY</p> <p>FOR ALL P/N PLEASE SEE TABLE ON SHEET 7.</p>	<p>ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE CABLE GUIDE ASSEMBLY</p> <p>FOR ALL P/N PLEASE SEE MATERIALS TABLE ON SHEETS 2 AND 3.</p>	<p>ALL JA MODELS WILL BE USING THIS REPAIR KIT TO REPLACE THE MAIN SHAFT ASSEMBLY</p> <p>FOR ALL P/N PLEASE SEE MATERIALS TABLE ON SHEETS 2 AND 3.</p>	<p>ALL JA MODELS W/ 7FT TRAVEL WILL USE THE DRMK7.</p> <p>ALL JA MODELS W/ 9FT TRAVEL WILL USE THE DRMK9.</p> <p>FOR ALL P/N PLEASE SEE MATERIALS TABLE ON SHEETS 2 AND 3.</p>	<p>ALL JA MODELS CAN USE THESE OVERHANG CABLES TO EXTEND THE TOOL OR LOAD REACH. THE OVERHANG CABLES WILL NOT INCREASE LOAD TRAVEL.</p>

QUALITY SYMBOLS  = 0  = 0  = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	ECN DESCRIPTION: NEW RELEASE				DIMENSION UNITS INCH / MM		SCALE NTS		Aero-Motive® DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS			
	ECN NUMBER: AM2021-0023				mm		INCH					
	DRAWN: MCHOJECKI		2021-10-21		4 PLACE ± --- ± ---		3 PLACE ± --- ± ---		SALES DRAWING DOCUMENT NO. SD-XXXJA-001 REVISION A			
	CHECKED: MCHOJECKI		2021-10-21		2 PLACE ± --- ± ---		1 PLACE ± --- ± ---					
	APPROVED: RHOTCA		2021-10-21		0 PLACE ± --- ± ---		ANGULAR TOL. ± 0.5°					
	DRAWN: MCHOJECKI		2021-05-21		0 PLACE ± --- ± ---		ANGULAR TOL. ± 0.5°		CUSTOMER GENERAL MARKET		SHEET NUMBER 6 of 7	
	APPROVED: RHOTCA		2021-05-21		ANGULAR TOL. ± 0.5°		THIRD ANGLE PROJECTION					
	OLD MAT. NUMBER N/A		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B-SIZE		THIRD ANGLE PROJECTION					

ITEM 1 - BASE PLATE ASSEMBLY

(SEE SHEET 2 OF 7 & 3 OF 7)



ITEM 1 BASE PLATE ASSEMBLY PART NUMBER	ITEM 10 STAR WHEEL	NOTES:
59568-71-RP	31071-RP	FOR 7 FT BALANCERS
59570-71-RP	31291-RP	FOR 9 FT BALANCERS

BILL OF MATERIALS - BASE PLATE ASSEMBLY (ITEM 1)		
ITEM	PART NUMBER	DESCRIPTION
1	59076-1-1	PIN & BASE PLATE ASSEMBLY
2	42612-US-RP	WORM SHAFT ASSEMBLY
3	31066-RP	WORM SHAFT BEARING
4	31279-RP	LOCK LEVER
5	59519-RP	LOCK LEVER SPACER
6	59520-RP	LOCK LEVER SCREW
7	230-P-120-RP	PIN ROLL 5/16" x 3/4"
8	AG12167-RP	SOCKET SET SCREW M8 x 1.25 - 10LG
9	31171-RP	STAR WHEEL FRICTON-PAD
10	SEE CHART	STAR WHEEL
11	AG10220-RP	M12 PLAIN WASHER 24mm O.D.
12	AG12177-RP	STAR WHEEL SHAFT
13	101-P-16-RP	SPLIT LOCK WASHER
14	AG12165-RP	M12x1.25 NUT, 19mm A/F, 6mm THICK
15	31294-RP	LOCK LEVER FOR E/J/K/L BALANCERS
16	31295-RP	DRUM LOCK SHAFT
17	31643-RP	SPRING FOR DRUM LOCK
18	229-P-10-RP	PIN ROLL
19	AG18769-RP	SHIM WASHER
20	31073UK-RP	STAR WHEEL SPRING FOR J/K BALANCERS
21	N/A	WARNING LABEL FOR J/K/E BALANCERS
22	1256-P-1-RP	LEAD BUCKSHOT

**59568-71-RP
SHOWN**

- NOTES:**
- A) ENSURE THAT WORM SHAFT ROTATES AND MOVES FREELY ALONG ITS LONGITUDINAL AXIS.
 - B) ALWAYS APPLY GREASE ON WORM SHAFT ASSEMBLY BEFORE ASSEMBLY BALANCER TOGETHER.
 - C) IT IS IMPORTANT THAT THE POSITION OF THE 9FT STAR WHEEL TEETH & SHOULDER ARE POSITIONED AS SHOWN WITH FLAT TOOTH ON THE TOP WHEN ASSEMBLING BASE PLATE ASSEMBLY.
 - D) ITEM 10 (STAR WHEEL) MUST ROTATE FREELY BUT NOT TOO LOOSE.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Aero-Motive GmbH AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
QUALITY SYMBOLS	ECN DESCRIPTION: NEW RELEASE			DIMENSION UNITS INCH / MM		SCALE NTS			
	ECN NUMBER: AM2021-0023			mm		INCH			
S = 0	DRAWN: MCHOJECKI 2021-10-21			4 PLACE ± --- ± ---		GENERAL TOLERANCES (UNLESS SPECIFIED) Applicable Standards ASME Y14.5M ISO 1660		DESCRIPTION JA SERIES OF BALANCERS GENERAL SPECIFICATIONS	
▼ = 0	CHECKED: MCHOJECKI 2021-10-21			3 PLACE ± --- ± ---		SALES DRAWING			
C = 0	APPROVED: RHOTCA 2021-10-21			2 PLACE ± --- ± ---		DOCUMENT NO. SD-XXXJA-001			
OLD MAT. NUMBER		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B-SIZE		THIRD ANGLE PROJECTION		CUSTOMER GENERAL MARKET	
N/A						ANGULAR TOL. ± 0.5°		REVISION A	
								SHEET NUMBER 7 of 7	