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WFP
UNIQUE FUNCTIONAL PRODUCTS

PRODUCT CATALOG



MAKERS OF **TRAILER**
Buddy[®]
PRODUCTS



UFP 2.5K NON-BRAKE PARTS LIST

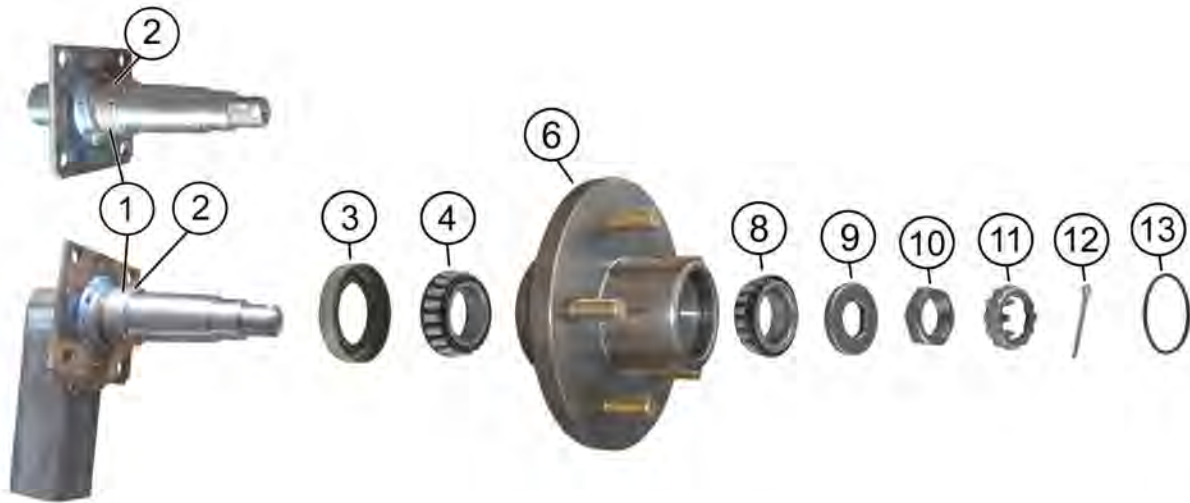
KEY NO.	PART NO.	DESCRIPTION	QTY.
1a	33521	STAINLESS STEEL L-RING WHERE SEAL RIDES, 1.38" O.D.	1
1b	34721	STAINLESS STEEL L-RING WHERE SEAL RIDES, 1.50" O.D.	1
2a	32364	GREASE SEAL, 1.38" I.D. - 1.98" O.D.	1
2b	07123	GREASE SEAL, 1.50" I.D. - 1.98" O.D.	1
3	32350	BEARING CONE, L44649	2
4	32359	BEARING CUP, L44610 (NOT SHOWN)	2
5a	45279	HUB, BT150, 5 on 4-1/2" BOLT PATTERN, RAW	1
5b	45280	HUB, BT150, 5 on 4-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
5c	45263	HUB, BT150, 5 on 4-1/2" BOLT PATTERN, BLACK PAINTED (NOT SHOWN)	1
5d	33889	HUB, H1062-1, 5 on 4-1/2" BOLT PATTERN, BLACK PAINTED (NOT SHOWN)	1
5e	obsolete	HUB, H1062-3 (REPLACE WITH BT150 HUB)	1
6	32402	SPINDLE D-WASHER, 1-5/8" O.D. x 3/32" THICK (HEAT TREATED)	1
7	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
8	32418	SPINDLE NUT RETAINER	1
9	32415	COTTER PIN, 1/8 x 1-1/4"	1
10	32742	O-RING, HUB NOSE, 2" x 2-1/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-9/16"
- NOMINAL HUB FLANGE DIAMETER: 5-11/16"
- MAXIMUM WHEEL SIZE: 13"
- DISH (OFFSET): 0" TO +5/8"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONSULT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED
IN A TANDEM AXLE APPLICATION



UFP 3.7K NON-BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32736	O-RING, 1-1/2" x 1-5/8" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33522	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33517	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
3	32373	GREASE SEAL, 1.68" I.D. - 2.56" O.D.	1
4	32351	BEARING CONE, LM68149	1
5	32358	BEARING CUP, L68110 (NOT SHOWN)	1
6a	33693	HUB, 5 on 4-1/2" BOLT PATTERN, RAW	1
6b	41125	HUB, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
6c	41047	HUB, 5 on 4-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
7	32359	BEARING CUP, L44610 (NOT SHOWN)	1
8	32350	BEARING CONE, L44649	1
9	32402	SPINDLE D-WASHER, 1-5/8" O.D. x 3/32" THICK (HEAT TREATED)	1
10	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
11	32418	SPINDLE NUT RETAINER	1
12	32415	COTTER PIN, 1/8 x 1-1/4"	1
13	32742	O-RING, HUB NOSE, 2" x 2-1/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-9/16"
- NOMINAL HUB FLANGE DIAMETER: 6-1/2"
- MAXIMUM WHEEL SIZE: 15"
- DISH (OFFSET): +5/8" TO -1/4"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONSULT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 3.7K DB-35 DISC BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32736	O-RING, 1-1/2" x 1-5/8" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33522	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33517	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
3	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2
4a	41050L or R	CALIPER BODY ASSEMBLY, ZINC PLATED (LEFT or RIGHT)	1
4b	42015L or R	CALIPER BODY ASSEMBLY, ALUMINUM (LEFT or RIGHT) (NOT SHOWN)	1
4c	41056L or R	CALIPER BODY ASSEMBLY, STAINLESS STEEL (LEFT or RIGHT) (NOT SHOWN)	1
5	32373	GREASE SEAL, 1.68" I.D. - 2.56" O.D.	1
6	32351	BEARING CONE, L68149	1
7	32358	BEARING CUP, L68110 (NOT SHOWN)	1
8a	41071	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, RAW	1
8b	41019	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
8c	41041	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
8d	32487	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED HUB / STAINLESS STEEL ROTOR (NOT SHOWN)	1
9	32359	BEARING CUP, L44610 (NOT SHOWN)	1
10	32350	BEARING CONE, LM44649	1
11	32402	SPINDLE D-WASHER, 1-5/8" O.D. x 3/32" THICK (HEAT TREATED)	1
12	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
13	32418	SPINDLE NUT RETAINER	1
14	32415	COTTER PIN, 1/8 x 1-1/4"	1
15	32742	O-RING, HUB NOSE, 2" x 2-1/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-9/16"
- NOMINAL HUB FLANGE DIAMETER: 6-1/2"
- MAXIMUM WHEEL SIZE: 15"
- DISH (OFFSET): +5/8" TO -1/4"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONSULT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 3.7K HYDRAULIC DRUM BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32736	O-RING, 1-1/2" x 1-5/8" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33522	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33517	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
3	32409	7/16"-20 x 1" HEX HEAD MOUNTING BOLT	4
4	32410	7/16" LOCK WASHER	4
5	32411	7/16" HEX NUT	4
6	32434L or R	10" x 2-1/4" BLACK MARINE HYDRAULIC BRAKE ASSEMBLY *	1
—	—	* SEE BRAKE ASSEMBLY PAGES FOR ADDITIONAL OPTIONS	—
7	32373	GREASE SEAL, 1.68" I.D. - 2.56" O.D.	1
8	32351	BEARING CONE, LM68149	1
9	32358	BEARING CUP, L68110 (NOT SHOWN)	1
10a	33647	HUB/DRUM ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, RAW	1
10b	41126	HUB/DRUM ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
10c	41048	HUB/DRUM ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
11	32359	BEARING CUP, L44610 (NOT SHOWN)	1
12	32350	BEARING CONE, L44649	1
13	32402	SPINDLE D-WASHER, 1-5/8" O.D. x 3/32" THICK (HEAT TREATED)	1
14	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
15	32418	SPINDLE NUT RETAINER	1
16	32415	COTTER PIN, 1/8 x 1-1/4"	1
17	32742	O-RING, HUB NOSE, 2" x 2-1/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-9/16"
- NOMINAL HUB FLANGE DIAMETER: 7"
- MAXIMUM WHEEL SIZE: 15"
- DISH (OFFSET): +5/8" TO -1/4"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONSULT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 4.2K NON-BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32736	O-RING, 1-1/2" x 1-5/8" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33522	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33517	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32372	GREASE SEAL, 1.68" I.D. - 2.33" O.D.	1
4	32351	BEARING CONE, LM68149	2
5	32358	BEARING CUP, L68110 (NOT SHOWN)	2
6a	36161	HUB, 5 on 4-1/2" BOLT PATTERN, RAW	1
6b	41174	HUB, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
7	34456	SPINDLE D-WASHER, 3/16" THICK, 2" DIAMETER	1
8	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
9	32418	SPINDLE NUT RETAINER	1
10	32415	COTTER PIN, 1/8 x 1-1/4"	1
11	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-7/8"
- NOMINAL HUB FLANGE DIAMETER: 6-1/2"
- MAXIMUM WHEEL SIZE: 15"
- DISH (OFFSET): +5/8" TO -1/4"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 4.2K DB-35 DISC BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32736	O-RING, 1-1/2" x 1-5/8" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33522	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33517	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2
4a	41050L or R	CALIPER BODY ASSEMBLY, ZINC PLATED (LEFT or RIGHT)	1
4b	42015L or R	CALIPER BODY ASSEMBLY, ALUMINUM (LEFT or RIGHT) (NOT SHOWN)	1
4c	41056L or R	CALIPER BODY ASSEMBLY, STAINLESS STEEL (LEFT or RIGHT) (NOT SHOWN)	1
5	32372	GREASE SEAL, 1.68" I.D. - 2.33" O.D.	1
6	32351	BEARING CONE, LM68149	2
7	32358	BEARING CUP, L68110 (NOT SHOWN)	2
8a	36162	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, RAW	1
8b	36248	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
8c	36268	HUB/ROTOR, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED HUB / STAINLESS STEEL ROTOR (NOT SHOWN)	1
9	34456	SPINDLE D-WASHER, 2" O.D. x 3/16" THICK, 2" DIAMETER	1
10	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
11	32418	SPINDLE NUT RETAINER	1
12	32415	COTTER PIN, 1/8 x 1-1/4"	1
13	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 2-7/8"
- NOMINAL HUB FLANGE DIAMETER: 6-1/2"
- MAXIMUM WHEEL SIZE: 15"
- DISH (OFFSET): +5/8" TO -1/4"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONSULT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 5.2K NON-BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32375	GREASE SEAL, 2 13" I.D. - 3.38" O.D.	1
4	32352	BEARING CONE, 25580	1
5	32356	BEARING CUP, L25520 (NOT SHOWN)	1
6a	33800	HUB, 6 on 5-1/2" BOLT PATTERN, RAW	1
6b	41120	HUB, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
6c	32215	HUB, 6 on 5-1/2" BOLT PATTERN, BLACK PAINTED (NOT SHOWN)	1
7	32357	BEARING CUP, L67010 (NOT SHOWN)	1
8	32353	BEARING CONE, LM67048	1
9	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
10	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
11	32418	SPINDLE NUT RETAINER	1
12	32415	COTTER PIN, 1/8 x 1-1/4"	1
13	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 5.2K DB-35 DISC BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" X 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
2b	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE (NOT SHOWN)	1
3	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2
4a	41050L or R	CALIPER BODY ASSEMBLY, ZINC PLATED (LEFT or RIGHT)	1
4b	42015L or R	CALIPER BODY ASSEMBLY, ALUMINUM (LEFT or RIGHT) (NOT SHOWN)	1
4c	41056L or R	CALIPER BODY ASSEMBLY, STAINLESS STEEL (LEFT or RIGHT) (NOT SHOWN)	1
5	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
6	32352	BEARING CONE, 25580	1
7	32356	BEARING CUP, L25520 (NOT SHOWN)	1
8a	44210	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, RAW	1
8b	44216	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
8c	44214	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
8d	41998	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED HUB / STAINLESS STEEL ROTOR (NOT SHOWN)	1
9	32357	BEARING CUP, L67010 (NOT SHOWN)	1
10	32353	BEARING CONE, LM67048	1
11	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
12	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
13	32418	SPINDLE NUT RETAINER	1
14	32415	COTTER PIN, 1/8 x 1-1/4"	1
15	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1
16	37110	BRAKE FLANGE ADAPTER (USED TO CONVERT DRUM BRAKE AXLE TO DISC BRAKE.)	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 5.2K HYDRAULIC DRUM BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" X 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32423	3/8"-24 x 1" HEX HEAD MOUNTING BOLT	5
4	32422	3/8" LOCK WASHER	5
5	32421	3/8" HEX NUT	5
6	32659L or R	12" x 2" HYDRAULIC BRAKE ASSEMBLY W/ ALUMINUM WHEEL CYLINDER *	1
--	--	* SEE BRAKE ASSEMBLY PAGES FOR ADDITIONAL OPTIONS	--
7	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
8	32352	BEARING CONE, 25580	1
9	32356	BEARING CUP, L25520 (NOT SHOWN)	1
10a	32218	HUB/DRUM ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, RAW	1
10b	41116	HUB/DRUM ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
10c	41127	HUB/DRUM ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
11	32357	BEARING CUP, L67010 (NOT SHOWN)	1
12	32353	BEARING CONE, LM67048	1
13	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
14	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
15	32418	SPINDLE NUT RETAINER	1
16	32415	COTTER PIN, 1/8 x 1-1/4"	1
17	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED
IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED
IN A TRIPLE AXLE APPLICATION.



UFP 6K 6-BOLT NON-BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
4	32352	BEARING CONE, 25580	1
5	32356	BEARING CUP, L25520 (NOT SHOWN)	1
6a	41271	HUB, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED	1
6b	32331	HUB, 6 on 5-1/2" BOLT PATTERN, E-COAT (NOT SHOWN)	1
7	32368	BEARING CUP, L15245 (NOT SHOWN)	1
8	32349	BEARING CONE, LM15123	1
9	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
10	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
11	32418	SPINDLE NUT RETAINER	1
12	32415	COTTER PIN, 1/8 x 1-1/4"	1
13	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 6K 6-BOLT DB-35 DISC BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" X 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
2b	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE (NOT SHOWN)	1
3	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2
4a	41050L or R	CALIPER BODY ASSEMBLY, ZINC PLATED (LEFT or RIGHT)	1
4b	42015L or R	CALIPER BODY ASSEMBLY, ALUMINUM (LEFT or RIGHT) (NOT SHOWN)	1
4c	41056L or R	CALIPER BODY ASSEMBLY, STAINLESS STEEL (LEFT or RIGHT) (NOT SHOWN)	1
5	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
6	32352	BEARING CONE, 25580	1
7	32356	BEARING CUP, L25520 (NOT SHOWN)	1
8a	44260	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, RAW	1
8b	44266	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
8c	44264	HUB/ROTOR, 6 on 5-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
9	32368	BEARING CUP, L15245 (NOT SHOWN)	1
10	32349	BEARING CONE, LM15123	1
11	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
12	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
13	32418	SPINDLE NUT RETAINER	1
14	32415	COTTER PIN, 1/8 x 1-1/4"	1
15	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1
16	37110	BRAKE FLANGE ADAPTER (USED TO CONVERT DRUM BRAKE AXLE TO DISC BRAKE.)	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 6K 6-BOLT HYDRAULIC DRUM BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" X 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32423	3/8"-24 x 1" HEX HEAD MOUNTING BOLT	5
4	32422	3/8" LOCK WASHER	5
5	32421	3/8" HEX NUT	5
6	32659L or R	12" x 2" HYDRAULIC BRAKE ASSEMBLY W/ ALUMINUM WHEEL CYLINDER *	1
--	--	* SEE BRAKE ASSEMBLY PAGES FOR ADDITIONAL OPTIONS	--
7	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
8	32352	BEARING CONE, 25580	1
9	32356	BEARING CUP, L25520 (NOT SHOWN)	1
10	32329	HUB/DRUM ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, BLACK E-COAT	1
11	32368	BEARING CUP, L15245 (NOT SHOWN)	1
12	32349	BEARING CONE, LM15123	1
13	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
14	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
15	32418	SPINDLE NUT RETAINER	1
16	32415	COTTER PIN, 1/8 x 1-1/4"	1
17	32741	O-RING, HUB NOSE, 2-3/8" x 2-1/2" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 3-1/2"
- NOMINAL HUB FLANGE DIAMETER: 7-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLE 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLE 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 7K 8-BOLT NON-BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32737	O-RING, 1-7/8" x 2" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
4	32352	BEARING CONE, 25580	1
5	32356	BEARING CUP, L25520 (NOT SHOWN)	1
6a	41064	HUB, 8 on 6-1/2" BOLT PATTERN, RAW	1
6b	32636	HUB, 8 on 6-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
6c	42209	HUB, 8 on 6-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
7	32888	BEARING CUP, L14276 (NOT SHOWN)	1
8	32354	BEARING CONE, 14125A	1
9	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
10	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
11	32418	SPINDLE NUT RETAINER	1
12	32415	COTTER PIN, 1/8 x 1-1/4"	1
13	32743	O-RING, HUB NOSE, 2-3/4" x 2-7/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 4-1/2"
- NOMINAL HUB FLANGE DIAMETER: 8-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 7K 8-BOLT DB-35 DISC BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE	1
2b	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE (NOT SHOWN)	1
3	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2
4a	41050L or R	CALIPER BODY ASSEMBLY, ZINC PLATED (LEFT or RIGHT)	1
4b	42015L or R	CALIPER BODY ASSEMBLY, ALUMINUM (LEFT or RIGHT)	1
4c	42056L or R	CALIPER BODY ASSEMBLY, STAINLESS STEEL (LEFT or RIGHT)	1
5	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
6	32352	BEARING CONE, 25580	1
7	32356	BEARING CUP, L25520 (NOT SHOWN)	1
8a	44220	HUB/ROTOR, 8 on 6-1/2" BOLT PATTERN, RAW	1
8b	44226	HUB/ROTOR, 8 on 6-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
8c	44224	HUB/ROTOR, 8 on 6-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
8d	42050	HUB/ROTOR, 8 on 6-1/2" BOLT PATTERN, ZINC PLATED HUB / STAINLESS STEEL ROTOR (NOT SHOWN)	1
9	32888	BEARING CUP, L14276 (NOT SHOWN)	1
10	32354	BEARING CONE, 14125A	1
11	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
12	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
13	32418	SPINDLE NUT RETAINER	1
14	32415	COTTER PIN, 1/8 x 1-1/4"	1
15	32743	O-RING, HUB NOSE, 2-3/4" x 2-7/8" x -1/16"	1
16	37110	BRAKE FLANGE ADAPTER (USED TO CONVERT DRUM BRAKE AXLE TO DISC BRAKE.)	1

WHEEL INTERFACE & SPECIFICATIONS:

- HUB NOSE DIAMETER: 4-1/2"
- NOMINAL HUB FLANGE DIAMETER: 8-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP 7K 8-BOLT HYDRAULIC DRUM BRAKE PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	32738	O-RING, 1-7/8" x 2" x 1/16", LOCATED UNDER L-RING (NOT SHOWN)	1
2a	33523	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITHOUT GREASE OUTLET HOLE	1
2b	33304	STAINLESS STEEL L-RING WHERE SEAL RIDES, WITH GREASE OUTLET HOLE (NOT SHOWN)	1
3	32423	3/8"-24 x 1" HEX HEAD MOUNTING BOLT	5
4	32422	3/8" LOCK WASHER	5
5	32421	3/8" HEX NUT	5
6	32659L or R	12" x 2" HYDRAULIC BRAKE ASSEMBLY W/ ALUMINUM WHEEL CYLINDER *	1
—	—	* SEE BRAKE ASSEMBLY PAGES FOR ADDITIONAL OPTIONS	—
7	32375	GREASE SEAL, 2.13" I.D. - 3.38" O.D.	1
8	32352	BEARING CONE, 25580	1
9	32356	BEARING CUP, L25520 (NOT SHOWN)	1
10a	32583	HUB/DRUM ASSEMBLY, 8 on 6-1/2" BOLT PATTERN, RAW	1
10b	60031	HUB/DRUM ASSEMBLY, 8 on 6-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
10c	41128	HUB/DRUM ASSEMBLY, 8 on 6-1/2" BOLT PATTERN, BLACK E-COAT (NOT SHOWN)	1
11	32888	BEARING CUP, L14276 (NOT SHOWN)	1
12	32354	BEARING CONE, 14125A	1
13	33509	SPINDLE D-WASHER, 1-5/8" O.D. x 3/16" THICK	1
14	32414	SPINDLE NUT, 13/16"-20 x 5/16" THICK	1
15	32418	SPINDLE NUT RETAINER	1
16	32415	COTTER PIN, 1/8 x 1-1/4"	1
17	32743	O-RING, HUB NOSE, 2-3/4" x 2-7/8" x 1/16"	1

WHEEL INTERFACE & SPECIFICATIONS:

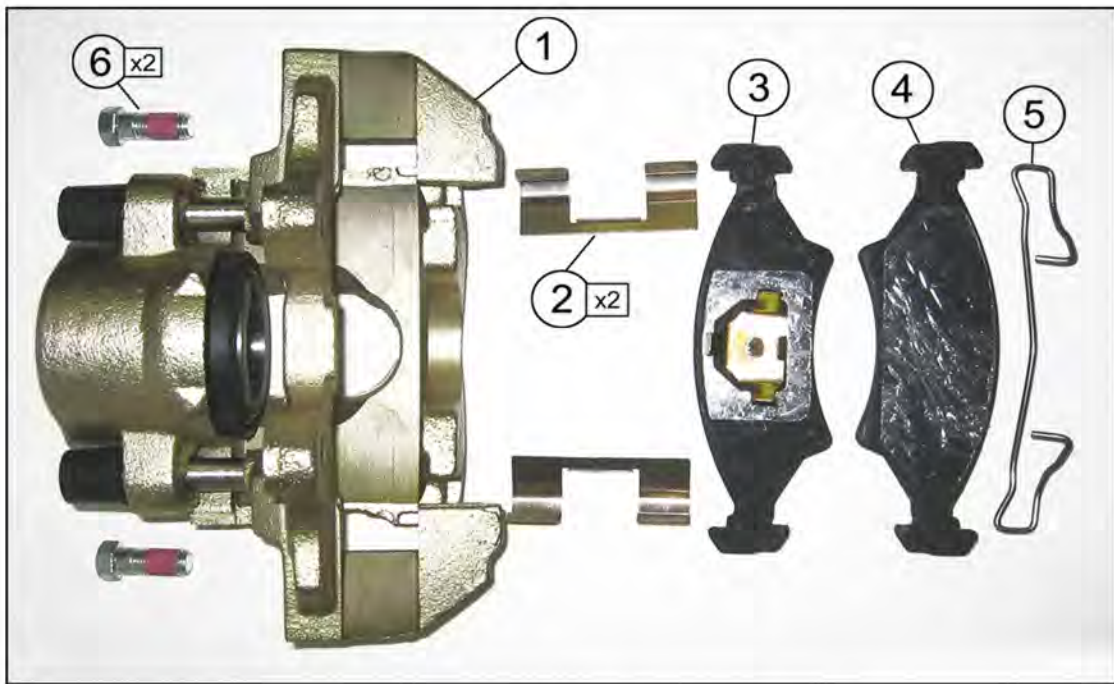
- HUB NOSE DIAMETER: 4-1/2"
- NOMINAL HUB FLANGE DIAMETER: 8-1/16"
- MAXIMUM WHEEL SIZE: 16"
- DISH (OFFSET): +3/16" TO 0"
- WHEN USING WHEELS WITH DISH OUTSIDE THIS RANGE, HUB AND BEARING LOAD CAPACITY WILL DECREASE. CONTACT FACTORY.

NOTE:

DERATE AXLES 10% WHEN USED IN A TANDEM AXLE APPLICATION.

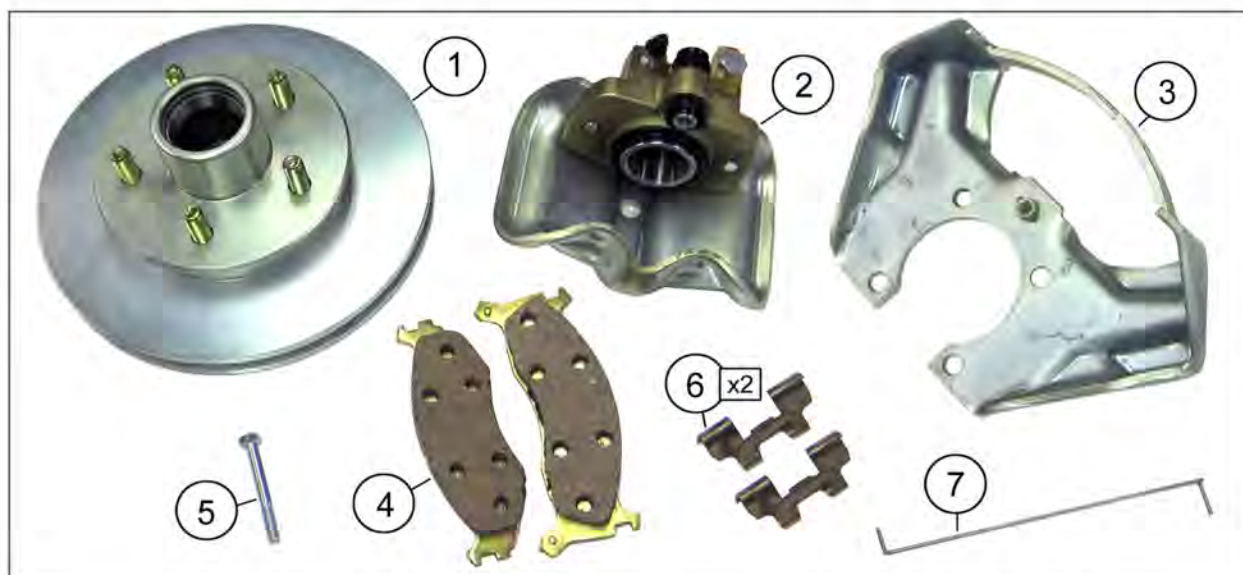
NOTE:

DERATE AXLES 15% WHEN USED IN A TRIPLE AXLE APPLICATION.



UFP DB-35 DISC BRAKE CALIPER PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.	PRICE
1	41050L or R	CALIPER BODY COMPLETE ASSEMBLY (INCLUDES ITEMS 2, 3, 4 & 5)	1	
2	33003	STAINLESS STEEL PAD SEAT	2	
3	33008	INNER BRAKE PAD (NON-METALLIC)	1	
4	33009	OUTER BRAKE PAD (NON-METALLIC)	1	
5	33006	STAINLES STEEL WIRE RETAINER	1	
6	33090	7/16"-20 x 1-1/8" MOUNTING BOLT W/ LOCTITE	2	
N/A	42015L or R	DB-35 ALUMINUM CALIPER	1	
N/A	41056L or R	DB-35 STAINLESS STEEL CALIPER	1	
N/A	32565	45° BANJO FITTING	1	
N/A	32307	BOLT, BANJO, 7/16"-20x1", ZINC PLATE	1	
N/A	32323	BOLT, BANJO, 7/16"-20x1", STAINLESS STEEL	1	
N/A	32230	COPPER WASHER	2	
N/A	33007	SLIDER PIN BOLT	1	
N/A	33305	SLIDER PIN BOOT	1	
N/A	33306	SLIDER PIN PLUG	1	
N/A	33308	PISTON, STAINLESS STEEL FOR ALUMINUM CALIPER	1	
N/A	33005	PISTON, HARD CHROME PLATED STEEL STANDARD	1	
N/A	33004	SEAL, PISTON, SQUARE O-RING	1	
N/A	33307	DUST BOOT	1	
N/A	33061	BLEEDER SCREW, STAINLESS STEEL	1	



UFP DB-42 DISC BRAKE CALIPER PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1a	41038	H1377, HUB/ROTOR ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, RAW (NOT SHOWN)	1
1b	41035	H1377, HUB/ROTOR ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED	1
1c	36159	H1377X2, HUB/ROTOR ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, RAW (NOT SHOWN)	1
1d	41020	H1377X2, HUB/ROTOR ASSEMBLY, 5 on 4-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
1e	36198	H1750-65, HUB/ROTOR ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, RAW (NOT SHOWN)	1
1f	36239	H1750-65, HUB/ROTOR ASSEMBLY, 6 on 5-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
1g	36225	H1750-85, HUB/ROTOR ASSEMBLY, 8 on 6-1/2" BOLT PATTERN, RAW (NOT SHOWN)	1
1h	36228	H1750-85, HUB/ROTOR ASSEMBLY, 8 on 6-1/2" BOLT PATTERN, ZINC PLATED (NOT SHOWN)	1
2	36020L or R	CALIPER BODY COMPLETE ASSEMBLY	1
3	36045	CALIPER MOUNTING BRACKET	1
4	33016	BRAKE PAD SET (INCLUDES 1 INNER PAD AND 1 OUTER PAD)	1
5	33020	CALIPER MOUNTING BOLT	1
6	36075	SPRING CLIPS	2
7	33155	WIRE RETAINER	1
N/A	33010	PISTON, HARD CHROME PLATED STEEL, STANDARD	1
N/A	33025	SLIDER PIN	1
N/A	33030	SLIDER PIN BOOT	1
N/A	33035	DUST BOOT	1
N/A	33040	SEAL, PISTON, SQUARE O-RING	1
N/A	33061	BLEEDER SCREW, STAINLESS STEEL	1
N/A	32565	45° BANJO FITTING	1
N/A	32307	BOLT, BANJO, 7/16"-20x1", ZINC PLATE	1
N/A	32323	BOLT, BANJO, 7/16"-20x1", STAINLESS STEEL	1
N/A	32230	COPPER WASHER	1



TBG (TRAILER BUDDY GOLD)			
KEY NO.	PART NO.	DESCRIPTION	QTY.
1a	35041-1	HUB, H1377, 1875#, 5 on 4-1/2", STUDDED, RAW, TBG	1
1b	41125-1	HUB, H1377, 1875#, 5 on 4-1/2", STUDDED, ZINC PLATED, TBG	1
1c	41047-1	HUB, H1377, 1875#, 5 on 4-1/2", STUDDED, E-COATED, TBG	1
2a	35705-1	HUB/ROTOR, HVR1377, 1875#, 5 on 4-1/2", STUDDED, RAW, THIN, TBG	1
2b	35042-1	HUB/ROTOR, HVR1377, 1875#, 5 on 4-1/2", STUDDED, ZINC PLATED, THIN, TBG	1
2c	41038-1	HUB/ROTOR, HVR1377, 1875#, 5 on 4-1/2", STUDDED, RAW, THICK, TBG	1
2d	41035-1	HUB/ROTOR, HVR1377, 1875#, 5 on 4-1/2", STUDDED, ZINC PLATED, THIN, TBG	1
3a	36161-1	HUB, H1377X2, 2100#, 5 on 4-1/2", STUDDED, RAW, TBG	1
3b	41174-1	HUB, H1377X2, 2100#, 5 on 4-1/2", STUDDED, ZINC PLATED, TBG	1
4a	36162-1	HUB/ROTOR, HVR1377, 2100#, 5 on 4-1/2", STUDDED, RAW, THIN, TBG (NOT SHOWN)	1
4b	36248-1	HUB/ROTOR, HVR1377, 2100#, 5 on 4-1/2", STUDDED, ZINC PLATED, THIN, TBG (NOT SHOWN)	1
4c	36159-1	HUB/ROTOR, HVR1377, 2100#, 5 on 4-1/2", STUDDED, RAW, THICK, TBG (NOT SHOWN)	1
5a	33800-1	HUB, H1750, 2600#, 6 on 5-1/2", STUDDED, RAW, TBG	1
5b	41120-1	HUB, H1750, 2600#, 6 on 5-1/2", STUDDED, ZINC PLATED, TBG	1
6a	36219-1	HUB/ROTOR, HVR1750, 2600#, 6 on 5-1/2", STUDDED, RAW, THIN, TBG	1
6b	36224-1	HUB/ROTOR, HVR1750, 2600#, 6 on 5-1/2", STUDDED, ZINC PLATED, THIN, TBG	1
6c	36213	HUB/ROTOR, HVR1750, 2600#, 6 on 5-1/2", STUDDED, RAW, THICK, TBG	1
7a	41064-1	HUB, H1750, 3500#, 8 on 6-1/2", STUDDED, RAW, TBG	1
7b	32636-1	HUB, H1750, 3500#, 8 on 6-1/2", STUDDED, ZINC PLATED, TBG	1
8a	36251-1	HUB/ROTOR, HVR1750, 3500#, 8 on 6-1/2", STUDDED, RAW, THIN, TBG	1
8b	36263-1	HUB/ROTOR, HVR1750, 3500#, 8 on 6-1/2", STUDDED, ZINC PLATED, THIN, TBG	1
8c	36225-1	HUB/ROTOR, HVR1750, 3500#, 8 on 6-1/2", STUDDED, RAW, THICK, TBG	1
9	32326	DRAIN PLUG, STAINLESS STEEL. 1/4-28 NPT (NOT SHOWN)	1



10" x 2-1/4" HYDRAULIC BRAKE ASSEMBLIES

KEY NO.	PART NO.	DESCRIPTION
1	32434L & R	10" x 2-1/4" BLACK MARINE BRAKE ASSEMBLY (LEFT or RIGHT)
2	32518L & R	10" x 2-1/4" SILVER MARINE BRAKE ASSEMBLY (LEFT or RIGHT)
3	32681L & R	10" x 2-1/4" SILVER MARINE FREE-BACKING BRAKE ASSEMBLY (LEFT or RIGHT)
N/A	37202	LEFT HAND ALUMINUM MARINE WHEEL CYLINDER REPLACEMENT PARTS
N/A	37203	RIGHT HAND ALUMINUM MARINE WHEEL CYLINDER REPLACEMENT PARTS

10" BLACK MARINE DRUM BRAKE FEATURES:

- UFP DESIGNED ALUMINUM MARINE WHEEL CYLINDER
- BLACK E-COAT BACKING PLATE
- COPPER RIVETED PADS WITH BLACK SHOES
- ★ FREE-BACKING AVAILABLE - CONTACT UFP SALES DEPARTMENT

10" SILVER MARINE DRUM BRAKE FEATURES:

- UFP DESIGNED ALUMINUM MARINE WHEEL CYLINDER
- DACROMET WITH SILVER POWDER-COAT BACKING PLATE
- COPPER RIVETED PADS WITH 2-PART EPOXY SHOES
- STAINLESS STEEL SPRINGS AND DACROMET HARDWARE



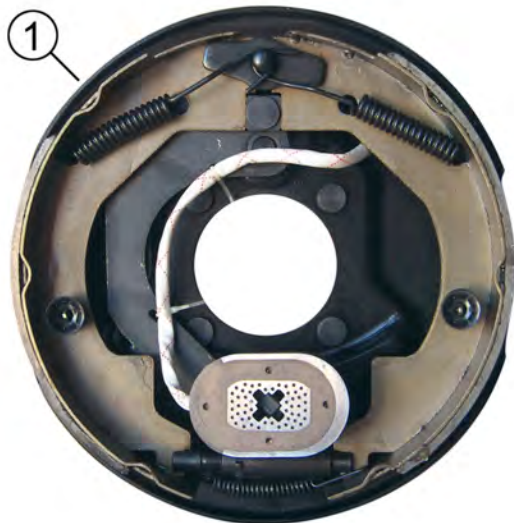
12" x 2" HYDRAULIC BRAKE ASSEMBLIES		
KEY NO.	PART NO.	DESCRIPTION
1	32659L or R	12" x 2" BLACK MARINE BRAKE ASSEMBLY (LEFT or RIGHT)
2	32815L or R	12" x 2" SILVER MARINE BRAKE ASSEMBLY (LEFT or RIGHT)
3	32682L or R	12" x 2" SILVER MARINE FREE-BACKING BRAKE ASSEMBLY (LEFT or RIGHT)
N/A	37202	LEFT HAND ALUMINUM WHEEL CYLINDER REPLACEMENT PARTS
N/A	37203	RIGHT HAND ALUMINUM WHEEL CYLINDER REPLACEMENT PARTS

12" BLACK MARINE DRUM BRAKE FEATURES:

- UFP DESIGNED ALUMINUM MARINE WHEEL CYLINDER
- BLACK E-COAT BACKING PLATE
- COPPER RIVETED PADS WITH BLACK SHOES
- * FREE-BACKING AVAILABLE - CONTACT UFP SALES DEPARTMENT

12" SILVER MARINE DRUM BRAKE FEATURES:

- UFP DESIGNED ALUMINUM MARINE WHEEL CYLINDER
- DACROMET WITH SILVER POWDER-COAT BACKING PLATE
- COPPER RIVETED PADS WITH 2-PART EPOXY SHOES
- STAINLESS STEEL SPRINGS AND DACROMET HARDWARE



ELECTRIC BRAKE ASSEMBLIES

KEY NO.	PART NO.	DESCRIPTION
1	32654L & R	10" x 2-1/4" ELECTRIC BRAKE ASSEMBLY, BLACK PAINTED *
2	32655L & R	12" x 2" ELECTRIC BRAKE ASSEMBLY, BLACK PAINTED *
3	32008L & R	10" x 2-1/4" ELECTRIC BRAKE ASSEMBLY, SILVER, MARINE GRADE
4	32003L & R	12" x 2" ELECTRIC BRAKE ASSEMBLY, SILVER, MARINE GRADE

* BRAKE ASSEMBLIES WITH PARKING-BRAKE FEATURE AVAILABLE UPON SPECIAL REQUEST

TRAILER BRAKE RECOMMENDATIONS

Trailer Gross Vehicle Weight Rating (GVWR)

Recommended Trailer Brakes

Up to 1,500#

Brakes not required in most states. Check your local state's laws and Comply with tow vehicle manufacturer's requirements. One set of brakes may be helpful for loads over 1,000 # depending on weight and braking ability of tow vehicle.

1,500 # - 2,999#

One set of brake should be considered.

One set of brakes can help prevent sway and jack-knifing that can occur during hard stops. Tow vehicles with unit body construction can flex if the trailer pushes hard against it during stopping. The resulting forces can transfer loads onto one or two wheels giving uneven braking. Stopping capability is reduced and tire or vehicle damage can occur in a panic emergency stop. Trailer brakes will help keep vehicles under control and reduce stopping distance.

3,000 # - 4,200 #

One set of brakes.

4,201 # - 5,000 #

One set of 10" brakes minimum. Two sets of 10" brakes highly advisable. Two sets of 10" brakes can make a big difference in stopping distance and vehicle control. Two sets of brakes can decrease trailer sway when braking from high speeds and reduce the potential for brake lockup (skidding) as well as eliminating overheating and premature brake lining wear.

5,001 # - 7,500 #

Two sets of 10" brakes on a tandem axle trailer. One set of 12" brakes (up to 6,000 #) on a single axle trailer.

7,501 # - 12,000 #

Three sets of 10" brakes. Two sets of 12" brakes.

12,001 # - 18,000 #

Three sets of 12" brakes.

*Braking capacity on "UFP Disc Brake Axles" is as follows:

10" Rotor= 4200 lbs per axle

12" Rotor= 6000 lbs per

axle



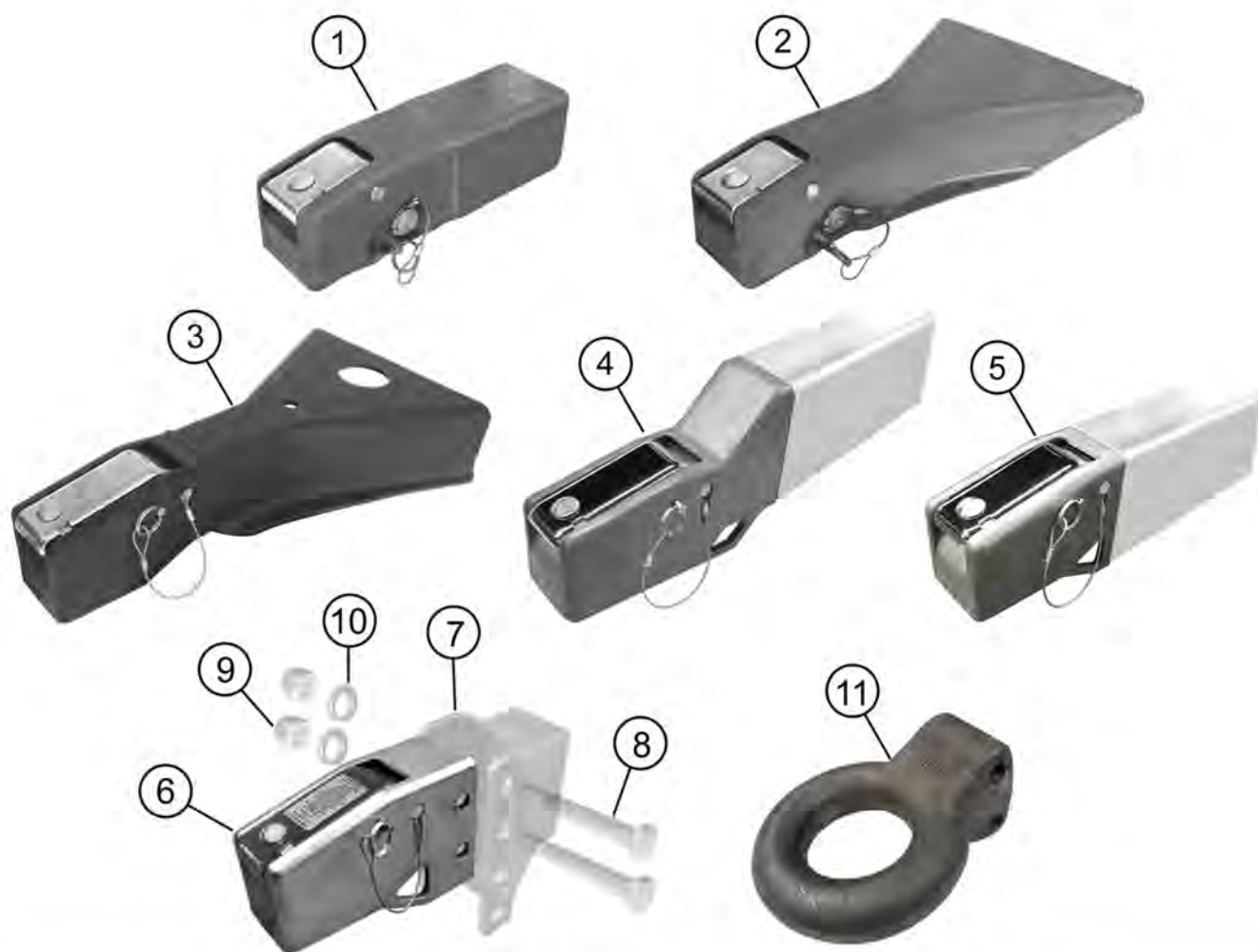
San Marcos, CA * Winchester, TN

TRAILER BRAKE RECOMMENDATIONS (continued)

1. Safety considerations, especially emergency stopping capability must be carefully considered when selecting brakes. Surviving one emergency situation without damage to trailer or tow vehicle or incurring personal injury is well worth the cost of the brakes.
2. Recommendations given above are guidelines. Consideration must be given to the various tow vehicles and brake systems that may be used with the trailer. The tow vehicle and trailer combination should be capable of stopping in 200 feet (worst case), preferably less from the point at which brakes are applied from an initial speed of 55 m.p.h. (deceleration of 16 ft./ sec.). Shorter distances (150 ft. or less) are strongly recommended for safety. Federal law mandates that all tow vehicle/trailer combinations must stop within 40 feet from a speed of 20 m.p.h.
3. Be sure to comply with state laws. Realize that compliance generally results in minimum braking capability.
4. Do not exceed tow vehicle manufacturer's maximum ratings for trailer towing, including Gross Combined Vehicle Weight Rating (GCWR).
5. Consider your towing conditions – heavy mountain travel, tow vehicle size in relation to the load, etc.
6. Whenever the tow vehicle is lighter than the trailer, additional brakes are advisable.
7. Pickup trucks with light loads over the rear wheels are susceptible to jack-knifing during panic stops if trailer brakes are inadequate.
8. Weight distribution hitches are recommended in certain circumstances. They provide level ride and improve braking and steering control. If you use such a hitch, make sure that it does not interfere with proper actuator operation. The actuator must compress to energize the brakes and fully extend to release brakes. Please consult the trailer manufacturer.
9. Check drum brake adjustment after the first 300 miles of travel and periodically thereafter. Improper brake adjustment increases stopping distance. Disc brakes are self-adjusting. Keep brakes and actuator in proper working condition so they will perform by competent persons. Flush brakes and actuator with fresh water after exposure with salt water.
10. Failure to follow these brake recommendations will void warranty for damages due to brake over-heating and premature brake lining wear.



San Marcos, CA * Winchester, TN



UFP 2" AND 2-5/16" BALL NON-BRAKE COUPLERS

KEY NO.	PART NO.	DESCRIPTION
1a	34099	COUPLER, CS-50, 5K, 2" BALL, STRAIGHT, WELD-ON
1b	34318	COUPLER, CS-50-075, 5K, 2" BALL, STRAIGHT, PLATED, BOLT-ON WITH MOUNTING HOLES (NOT SHOWN)
2a	34304	COUPLER, CA-50, 5K, 2" BALL, A-FRAME, WELD-ON
2b	34100	COUPLER, CA-50H, 5K, 2" BALL, A-FRAME, WELD-ON, WITH JACK MOUNTING HOLES (NOT SHOWN)
3	40548	COUPLER, CA-140, 14K, 2-5/16" BALL, A-FRAME, WELD-ON
4	40565	COUPLER, CD-200, 20K, 2-5/16" BALL, DROP, WELD-ON, FOR 3" x 5" x .180" TUBING
5	40564	COUPLER, CS-200, 20K, 2-5/16" BALL, STRAIGHT, WELD-ON, FOR 3" x 5" x .180" TUBING
6	40563	COUPLER, CB-200, 20K, 2-5/16" BALL, BOLT-ON, PLATED, FOR USE WITH CHANNEL BRACKET
7a	19054	CHANNEL, 20K, 4 HOLE
7b	19119	CHANNEL, 20K, 6 HOLE (NOT SHOWN)
8	30008	BOLT, 5/8"-11 x 4-3/4" GRADE 8, ZINC PLATE
9	33186	NUT, 5/8"-11, NYLOCK
10	33189	WASHER, FLAT, 5/8"
11	19120	LUNETTE, LR-200, 20K

①



②



③



④



UFP A-60, A-75, A-84 & XR-84 ACTUATOR INNER MEMBER ASSEMBLIES

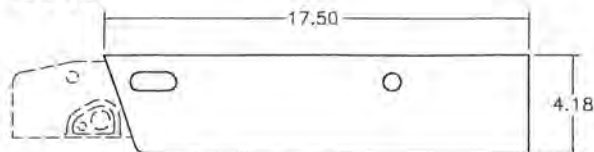
KEY NO.	PART NO.	DESCRIPTION
1a	34039	A-60, INNER MEMBER, 7500LB., DRUM BRAKE, 2" BALL
1b	34043	A-60, INNER MEMBER, 7500LB., SINGLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
1c	34044	A-60, INNER MEMBER, 7500LB., TANDEM AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
2a	47729	A-75, INNER MEMBER, 7500LB., DRUM BRAKE, 2" BALL
2b	47723	A-75, INNER MEMBER, 7500LB., SINGLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
2c	47724	A-75, INNER MEMBER, 7500LB., TANDEM AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
3a	40300	A-84, INNER MEMBER, 8400LB., DRUM BRAKE, 2-5/16" BALL
3b	40310	A-84, INNER MEMBER, 8400LB., SINGLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2-5/16" BALL
3c	40320	A-84, INNER MEMBER, 8400LB., TANDEM AXLE DISC BRAKE WITH SOLENOID VALVE, 2-5/16" BALL
3d	40330	A-84, INNER MEMBER, 8400LB., TRIPLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2-5/16" BALL
4a	40201	XR-84, INNER MEMBER, SINGLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
4b	40202	XR-84, INNER MEMBER, TANDEM AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
4c	40203	XR-84, INNER MEMBER, TRIPLE AXLE DISC BRAKE WITH SOLENOID VALVE, 2" BALL
4d	40204	XR-84, INNER MEMBER, DRUM BRAKE, 2" BALL

UFP MODEL A-60, A-75, A-84 & XR-84 PARTS BREAKDOWN



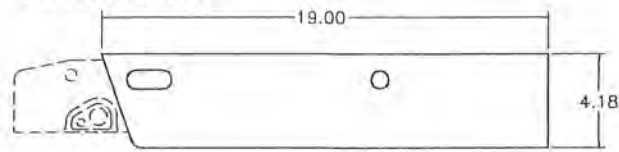
KEY #	PART #	DESCRIPTION	QTY.
1	34021	A-60 INNER MEMBER, PRIMARY HOUSING	1
2	47720	A-75 INNER MEMBER, PRIMARY HOUSING	1
3	40100	A-84 INNER MEMBER, PRIMARY HOUSING	1
4	40200	XR-84 INNER MEMBER, PRIMARY HOUSING	1
5	35154	MASTER CYLINDER ASSEMBLY	1
6	34762	MASTER CYLINDER FOR USE W/ SOLENOID	1
7	34300	RESERVOIR COVER PLATE	1
8	32288	RESERVOIR DIAPHRAGM	1
9	32286	RESERVOIR PLUG	1
10	34500	SOLENOID VALVE ASSEMBLY	1
11	34508	SOLENOID VALVE DRAIN TUBE	1
12	32269	NYLON CABLE TIE	2
13	32570	MINI BARB FITTING	1
14	34371	FRONT ROLLER (A-60 ONLY)	2
15	32310	REAR ROLLER	2
16	34079	ROLLER PIN	2
17	32554	ROLLER PIN WASHER	4
18	32262	RETAINING RING	4
19	32306	SHOCK ABSORBER	1
20	32291	BOLT, 3/8"-16 X 7/8", PLATED	1
21	34301	SHOCK ABSORBER BUSHING	1
22	35112	PUSHROD ASSEMBLY (DRUM & SINGLE DISC)	1
23a	35114	PUSHROD ASSEMBLY (TANDEM DISC)	1
23b	35113	PUSHROD ASSEMBLY (TRIPLE DISC) (NOT SHOWN)	1
24	34378	PUSHROD RELEASE BRACKET	1
25	32546	PUSHROD RELEASE BRACKET SPRING	1
26	34422	BREAKAWAY CABLE ASSEMBLY	1
27	34355	BREAKAWAY CABLE CLIP	1
28a	34380	BREAKAWAY CABLE ATTACHMENT PLATE	1
28b	47882	BREAKAWAY CABLE ATTACHMENT PLATE "Z" (NOT SHOWN)	1
29	32592	TOP WEAR PAD (A-60)	1
30	47710	TOP WEAR PAD (A-75 & A-84)	1
31	32260	WEAR PAD, THIN (SIDES)	6
32	32263	WEAR PAD, THICK (TOP & BOTTOM)	3
33	32547	PLASTIC OUTER MEMBER CAP	1
34	34557	SIDE LOCKOUT BRACKET	1
35	34359	BRAKE LOCKOUT CAP	1
36a	34566	HITCH PIN KIT-SHORT PIN & LANYARD (A-75)	1
36b	19128	HITCH PIN KIT-LONG PIN, SHORT LANYARD (A-60)	1
36c	19041	HITCH PIN KIT-LONG PIN & LANYARD (A-84, XR-84, A-160)	1
37	40006	LATCH REPLACEMENT KIT (XR-84)	1
38	36360	LATCH REPLACEMENT KIT (A-60)	1
39	36369	LATCH REPLACEMENT KIT (A-75)	1
40	40120	LATCH REPLACEMENT KIT (A-84)	1

① A-60L, A-75L, XR-84L
LONG



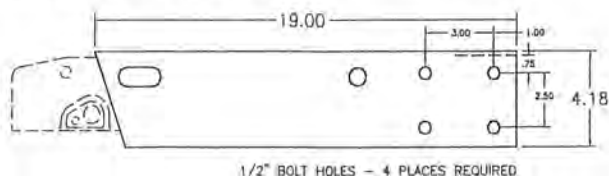
DESIGNED FOR WELDING TO 3" x 3" OR 3" x 4"
STRAIGHT TONGUE

② A-60XL, A-75XL, XR-84XL
EXTRA LONG



DESIGNED FOR WELDING TO 3" x 3" OR 3" x 4"
STRAIGHT TONGUE

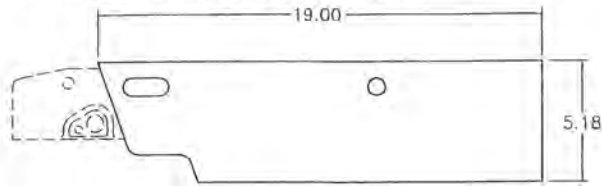
③ A-60XL/MTG, A-75XL/MTG, XR-84XL/MTG
EXTRA LONG BOLT-ON



1/2" BOLT HOLES - 4 PLACES REQUIRED

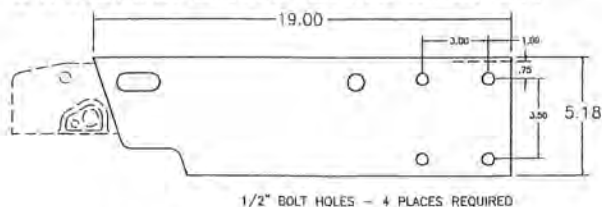
DESIGNED FOR BOLTING ON TO 3" x 4"
STRAIGHT TONGUE

④ A-60SXL, A-75SXL, XR-84SXL
STANDARD EXTRA LONG



DESIGNED FOR WELDING TO 3" x 5"
STRAIGHT TONGUE

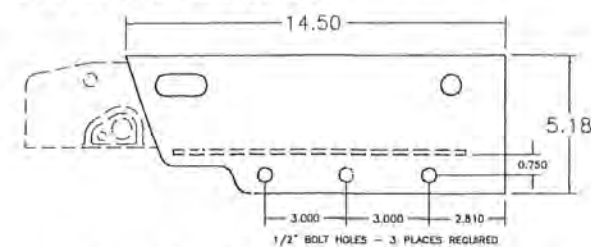
⑤ A-60SXL/MTG, A-75SXL/MTG, XR-84SXL/MTG
STANDARD EXTRA LONG BOLT-ON



1/2" BOLT HOLES - 4 PLACES REQUIRED

DESIGNED FOR BOLTING ON TO 3" x 5"
STRAIGHT TONGUE

⑥ A-60S/MTG, A-75S/MTG, XR-84S/MTG
STANDARD BOLT-ON



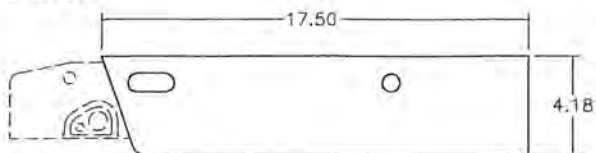
1/2" BOLT HOLES - 3 PLACES REQUIRED

3 HOLES, 3" APART, 3/4" BELOW TOP OF BEAM
DESIGNED FOR BOLT-ON MOUNTING

A-60, A-75 & XR-84 ACTUATOR OUTER MEMBER LIST

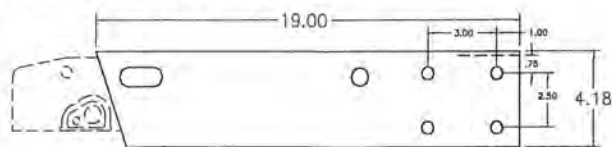
KEY NO.	PART NO.	DESCRIPTION
1a	34066	MEMBER, OUTER, (A-60L, A-75L, XR-84L) WELD-ON, RAW
1b	34083	MEMBER, OUTER, (A-60L, A-75L, XR-84L) WELD-ON, PRIMED
2a	34701	MEMBER, OUTER, (A-60XL, A-75XL, XR-84XL) WELD-ON, RAW
2b	34702	MEMBER, OUTER, (A-60XL, A-75XL, XR-84XL) WELD-ON, PRIMED
3a	35692	MEMBER, OUTER, (A-60XL/MTG, A-75XL/MTG, XR-84XL/MTG) BOLT-ON, RAW
3b	35693	MEMBER, OUTER, (A-60XL/MTG, A-75XL/MTG, XR-84XL/MTG) BOLT-ON, PLATED
4a	36109	MEMBER, OUTER, (A-60SXL, A-75SXL, XR-84SXL) WELD-ON, RAW
4b	36110	MEMBER, OUTER, (A-60SXL, A-75SXL, XR-84SXL) WELD-ON, PRIMED
5a	36105	MEMBER, OUTER, (A-60SXL/MTG, A-75SXL/MTG, XR-84SXL/MTG) BOLT-ON, RAW
5b	36107	MEMBER, OUTER, (A-60SXL/MTG, A-75SXL/MTG, XR-84SXL/MTG) BOLT-ON, PRIMED
5c	36104	MEMBER, OUTER, (A-60SXL/MTG, A-75SXL/MTG, XR-84SXL/MTG) BOLT-ON, PLATED
6a	34067	MEMBER, OUTER, (A-60S/MTG, A-75S/MTG, XR-84S/MTG) BOLT-ON, RAW
6b	34086	MEMBER, OUTER, (A-60S/MTG, A-75S/MTG, XR-84S/MTG) BOLT-ON, PRIMED
6c	34375	MEMBER, OUTER, (A-60S/MTG, A-75S/MTG, XR-84S/MTG) BOLT-ON, PLATED

① A-84L
LONG



DESIGNED FOR WELDING TO 3" x 3" OR 3" x 4"
STRAIGHT TONGUE

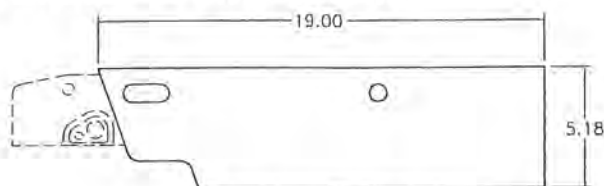
② A-84XL/MTG
EXTRA LONG BOLT-ON



1/2" BOLT HOLES - 4 PLACES REQUIRED

DESIGNED FOR BOLTING ON TO 3" x 4"
STRAIGHT TONGUE

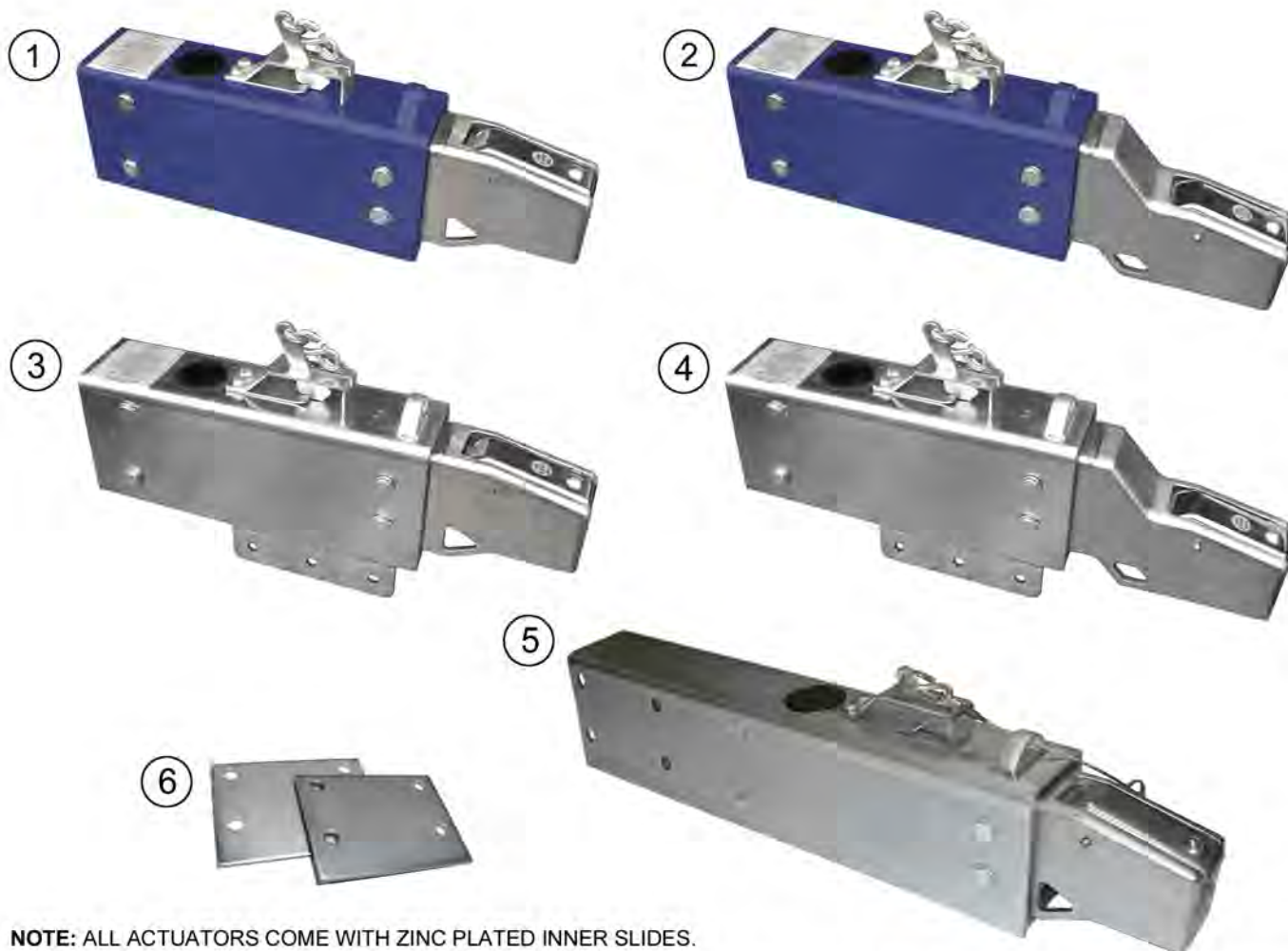
③ A-84SXL
STANDARD EXTRA LONG



DESIGNED FOR WELDING TO 3" x 5"
STRAIGHT TONGUE

A-84 ACTUATOR OUTER MEMBER LIST

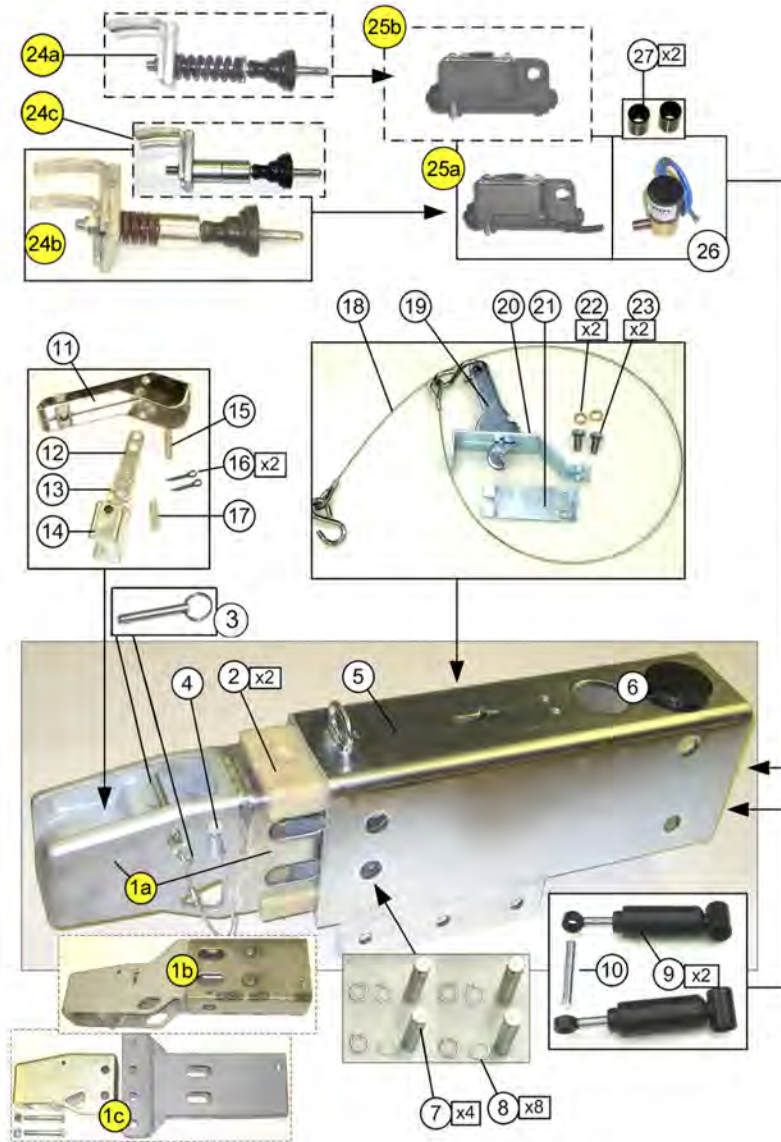
KEY NO.	PART NO.	DESCRIPTION
1a	34066-8	MEMBER, OUTER, A-84L, WELD-ON, RAW
1b	34083-8	MEMBER, OUTER, A-84L, WELD-ON, PRIMED
2a	35692-8	MEMBER, OUTER, A-84XL/MTG, BOLT-ON, RAW
2b	35693-8	MEMBER, OUTER, A-84XL/MTG, BOLT-ON, PLATED
3a	36109-8	MEMBER, OUTER, A-84SXL, WELD-ON, RAW
3b	36110-8	MEMBER, OUTER, A-84SXL, WELD-ON, PRIMED



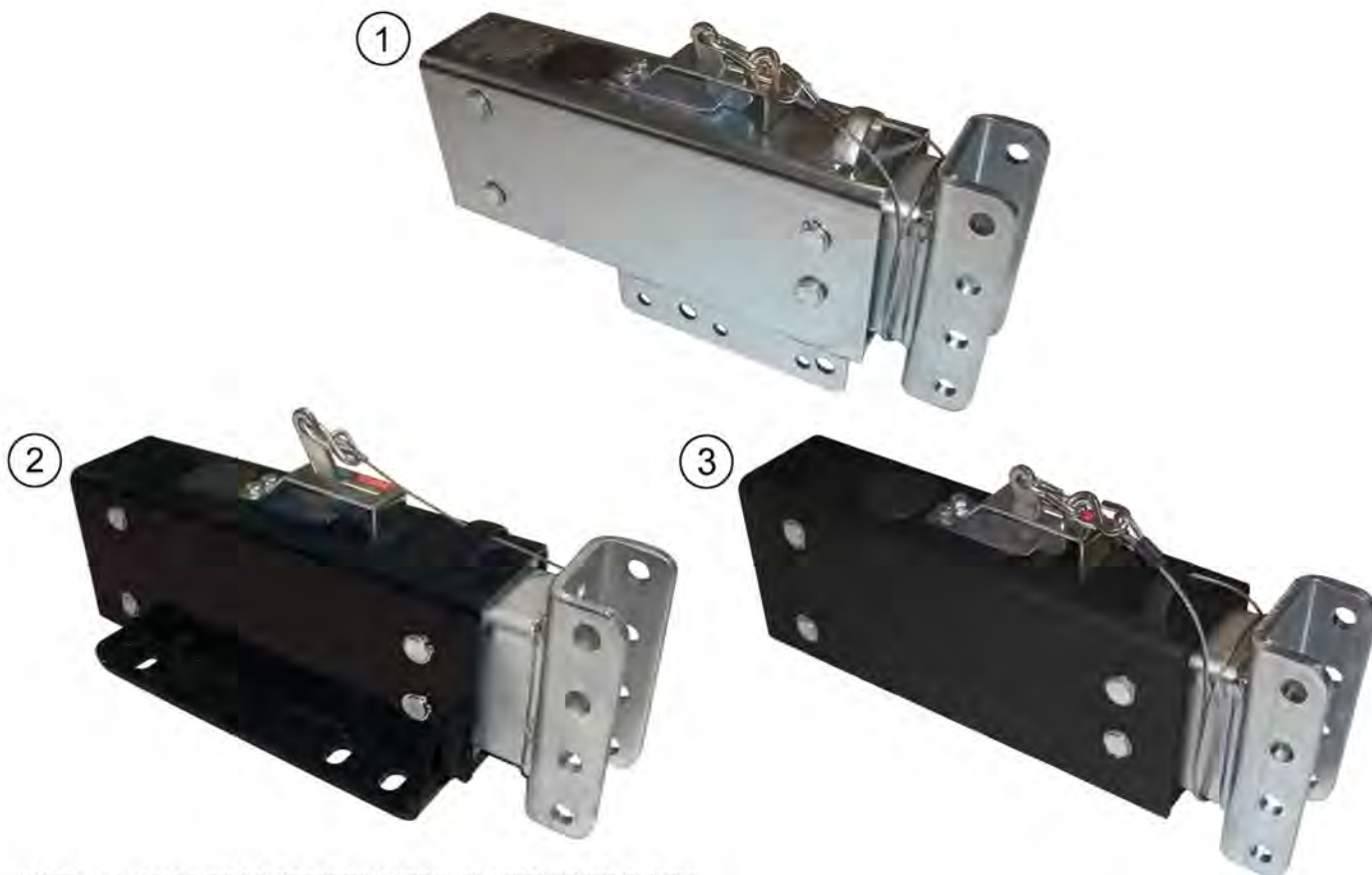
NOTE: ALL ACTUATORS COME WITH ZINC PLATED INNER SLIDES.

UFP A-160 2-5/16" BALL ACTUATORS		
KEY NO.	PART NO.	DESCRIPTION
1a	40030	A-160 ACTUATOR, 16,000LB., DRUM BRAKE, STRAIGHT, WELD-ON, PRIMED, 2-5/16" BALL
1b	40031	A-160 ACTUATOR, 16,000LB., TANDEM DISC BRAKE, STRAIGHT, WELD-ON, PRIMED, 2-5/16" BALL (NOT SHOWN)
1c	40032	A-160 ACTUATOR, 16,000LB., TRIPLE DISC BRAKE, STRAIGHT, WELD-ON, PRIMED, 2-5/16" BALL (NOT SHOWN)
2a	40033	A-160 ACTUATOR, 16,000LB., DRUM BRAKE, DROP, WELD-ON, PRIMED, 2-5/16" BALL
2b	40034	A-160 ACTUATOR, 16,000LB., TANDEM DISC BRAKE, DROP, WELD-ON, PRIMED, 2-5/16" BALL (NOT SHOWN)
2c	40035	A-160 ACTUATOR, 16,000LB., TRIPLE DISC BRAKE, DROP, WELD-ON, PRIMED, 2-5/16" BALL (NOT SHOWN)
3a	40070	A-160 ACTUATOR, 16,000LB., DRUM BRAKE, STRAIGHT, BOLT-ON, PLATED, 2-5/16" BALL
3b	40071	A-160 ACTUATOR, 16,000LB., TANDEM DISC BRAKE, STRAIGHT, BOLT-ON, PLATED, 2-5/16" BALL (NOT SHOWN)
3c	40072	A-160 ACTUATOR, 16,000LB., TRIPLE DISC BRAKE, STRAIGHT, BOLT-ON, PLATED, 2-5/16" BALL (NOT SHOWN)
4a	40073	A-160 ACTUATOR, 16,000LB., DRUM BRAKE, DROP, BOLT-ON, PLATED, 2-5/16" BALL
4b	40074	A-160 ACTUATOR, 16,000LB., TANDEM DISC BRAKE, DROP, BOLT-ON, PLATED, 2-5/16" BALL (NOT SHOWN)
4c	40075	A-160 ACTUATOR, 16,000LB., TRIPLE DISC BRAKE, DROP, BOLT-ON, PLATED, 2-5/16" BALL (NOT SHOWN)
5a	40020	A-160 ACTUATOR, 16,000LB., DRUM BRAKE, STRAIGHT, IN-LINE, BOLT-ON, PLATED, 2-5/16" BALL
5b	40021	A-160 ACTUATOR, 16,000LB., TANDEM DISC BRAKE, STRAIGHT, IN-LINE, BOLT-ON, PLATED, 2-5/16" BALL
5c	40022	A-160 ACTUATOR, 16,000LB., TRIPLE DISC BRAKE, IN-LINE, BOLT-ON, PLATED, 2-5/16" BALL
6	19117	SPACER PLATE, 1/4" THICK, PLATED (2 REQUIRED)

UFP MODEL A-160 / A-200 ACTUATOR PARTS BREAKDOWN

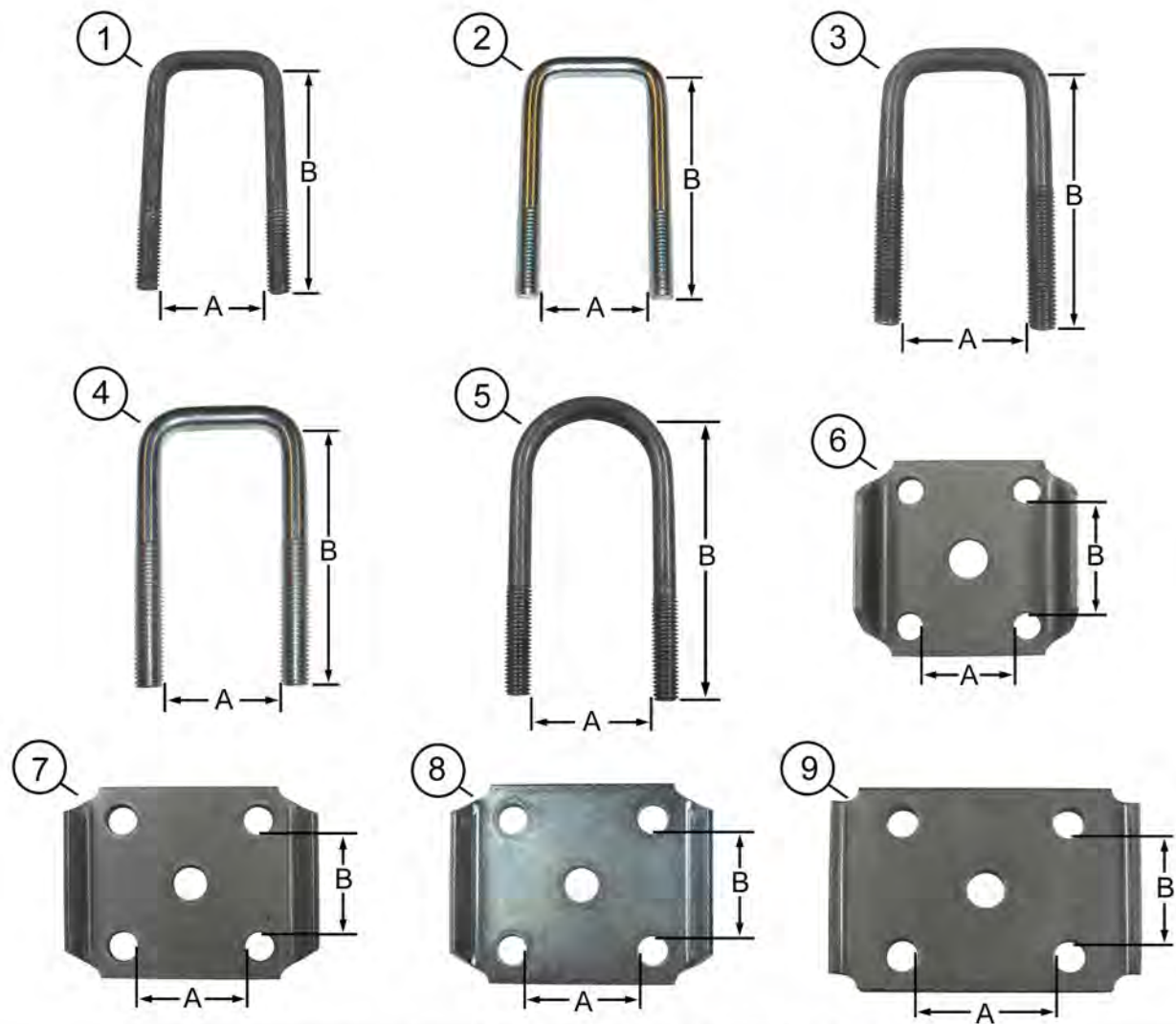


KEY #	PART #	DESCRIPTION	QTY.
1a	19050S	IM, STRAIGHT, PLATED	1
1b	19050D	IM, DROP, PLATED	1
1c	19050B	IM, BOLT-ON W/ COUPLER, PLATED	1
2	19023	SLIDE BEARING	2
3	19041	HITCH PIN W/ LANYARD, A-160 & C-200	1
4	19059	RIVET, POP, LANYARD	1
5	19034	OUTER CASE ASSEMBLY, BOLT-ON	1
6	19010	CAP, PLASTIC	1
7	19014	PIN, SHOCK ABSORBER, REAR	4
8	32262	RETAINING RING	8
9	32306	SHOCK ABSORBER	2
10	19003	PIN, SHOCK ASORBER, FRONT	1
11	19066	LATCH HANDLE W/ DEAD BOLT	1
12	19067	LINK, BALL LOCK / LATCH	1
13	19068	SPRING LINK, LATCH HANDLE	1
14	19069	BALL LOCK SUPPORT	1
15	19092	PIN, LATCH HANDLE	1
16	19091	COTTER PIN, LATCH PIN	2
17	19072	PIN, BALL LOCK SUPPORT	1
18	19005	BREAKAWAY CABLE ASSEMBLY	1
19	19006	BREAKAWAY LEVER	1
20	19011	LEVER GUIDE	1
21	19012	SAFETY STOP PLATE	1
22	19009	TOOTH WASHER	2
23	19008	BOLT, HEX 5/16"	2
24a	19075	DRUM BRAKE PUSHROD ASSY	1
24b	19073	TANDEM DISC PUSHROD ASSY	1
24c	19074	TRIPLE DISC PUSHROD ASSY	1
25a	34762	MASTER CYLINDER, FOR USE W/ SOLENOID	1
25b	35154	MASTER CYLINDER ASSEMBLY	1
26	34500	SOLENOID VALVE ASSEMBLY	1
27	19018	SPACER, M/C, A-160	2

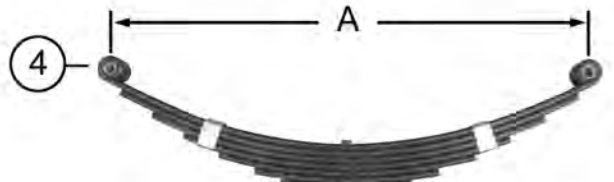
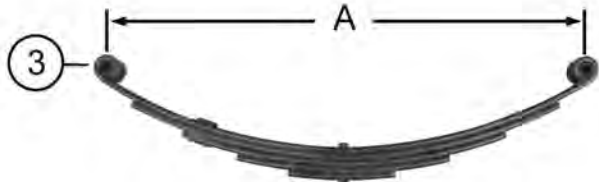
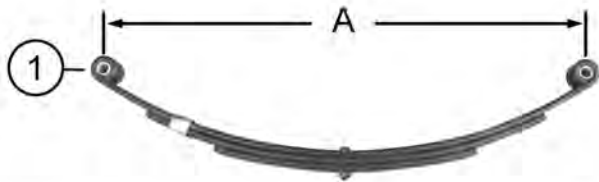


NOTE: ALL ACTUATORS COME WITH ZINC PLATED INNER SLIDES.

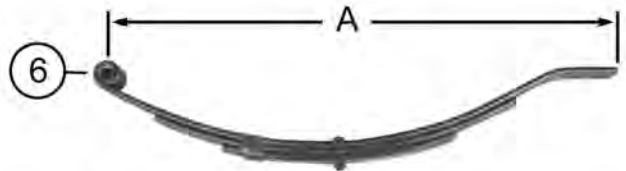
UFP A-200 ADJUSTABLE CHANNEL ACTUATORS		
KEY NO.	PART NO.	DESCRIPTION
1a	40121	A-200 ACTUATOR, DRUM BRAKE, 4-CHANNEL, BOLT-ON, PLATED
1b	40122	A-200 ACTUATOR, TANDEM DISC BRAKE, 4-CHANNEL, BOLT-ON, PLATED
1c	40088	A-200 ACTUATOR, TRIPLE DISC BRAKE, 4-CHANNEL, BOLT-ON, PLATED
1d	40086	A-200 ACTUATOR, DRUM BRAKE, 6-CHANNEL, BOLT-ON, PLATED (NOT SHOWN)
1e	40087	A-200 ACTUATOR, TANDEM DISC BRAKE, 6-CHANNEL, BOLT-ON, PLATED (NOT SHOWN)
1f	40123	A-200 ACTUATOR, TRIPLE DISC BRAKE, 6-CHANNEL, BOLT-ON, PLATED (NOT SHOWN)
2a	40090	A-200 ACTUATOR, DRUM BRAKE, 4-CHANNEL, BASE MOUNT, PRIME
2b	40092	A-200 ACTUATOR, TANDEM DISC BRAKE, 4-CHANNEL, BASE MOUNT, PRIME
2c	40094	A-200 ACTUATOR, TRIPLE DISC BRAKE, 4-CHANNEL, BASE MOUNT, PRIME
2d	40091	A-200 ACTUATOR, DRUM BRAKE, 6-CHANNEL, BASE MOUNT, PRIME (NOT SHOWN)
2e	40093	A-200 ACTUATOR, TANDEM DISC BRAKE, 6-CHANNEL, BASE MOUNT, PRIME (NOT SHOWN)
2f	40095	A-200 ACTUATOR, TRIPLE DISC BRAKE, 6-CHANNEL, BASE MOUNT, PRIME (NOT SHOWN)
3a	40124	A-200 ACTUATOR, DRUM BRAKE, 4-CHANNEL, PRIME
3b	40126	A-200 ACTUATOR, TANDEM DISC BRAKE, 4-CHANNEL, PRIME
3c	40128	A-200 ACTUATOR, TRIPLE DISC BRAKE, 4-CHANNEL, PRIME
3d	40125	A-200 ACTUATOR, DRUM BRAKE, 6-CHANNEL, PRIME (NOT SHOWN)
3e	40127	A-200 ACTUATOR, TANDEM DISC BRAKE, 6-CHANNEL, PRIME (NOT SHOWN)
3f	40129	A-200 ACTUATOR, TRIPLE DISC BRAKE, 6-CHANNEL, PRIME (NOT SHOWN)



SUSPENSION U-BOLTS AND PLATES				
KEY NO.	PART NO.	DESCRIPTION	A	B
1	32330	U-BOLT, 3/8-16 x 3.562", RAW (FOR 1-1/2" SQUARE AXLES)	1-9/16"	3-9/16"
2	34150	U-BOLT, 3/8-16 x 3.562", PLATED (FOR 1-1/2" SQUARE AXLES)	1-9/16"	3-9/16"
3a	32439	U-BOLT, 1/2-13 x 4.562", RAW (FOR 2" WIDE SQUARE AXLES)	2-3/16"	4-9/16"
3b	32443	U-BOLT, 1/2-13 x 5.312", RAW (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	5-5/16"
3c	32441	U-BOLT, 1/2-13 x 6.500", RAW (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	6-1/2"
3d	32438	U-BOLT, 1/2-13 x 7.250", RAW (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	7-1/4"
4a	34146	U-BOLT, 1/2-13 x 4.562", PLATED (FOR 2" WIDE SQUARE AXLES)	2-3/16"	4-9/16"
4b	34144	U-BOLT, 1/2-13 x 5.312", PLATED (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	5-5/16"
4c	34143	U-BOLT, 1/2-13 x 6.500", PLATED (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	6-1/2"
4d	34145	U-BOLT, 1/2-13 x 7.250", PLATED (FOR 2" WIDE SQUARE AXLES) (NOT SHOWN)	2-3/16"	7-1/4"
5	32677	U-BOLT, 1/2-13 x 5.000", 2-3/8" ROUND, RAW (FOR 2-3/8" ROUND AXLES)	2-3/8"	5"
6a	33720	PLATE, 5-HOLE, 1-1/2" WIDE BEAM, RAW	1-1/2"	1-3/4"
6b	34151	PLATE, 5-HOLE, 1-1/2" WIDE BEAM, PLATED (NOT SHOWN)	1-1/2"	1-3/4"
7	32491	PLATE, 5-HOLE, 2" WIDE BEAM, RAW	2-1/8"	1-3/4"
8	34148	PLATE, 5-HOLE, 2" WIDE BEAM, PLATED	2-1/8"	1-3/4"
9	32669	PLATE, 5-HOLE, 2-3/8" ROUND BEAM, RAW	2-3/8"	1-3/4"

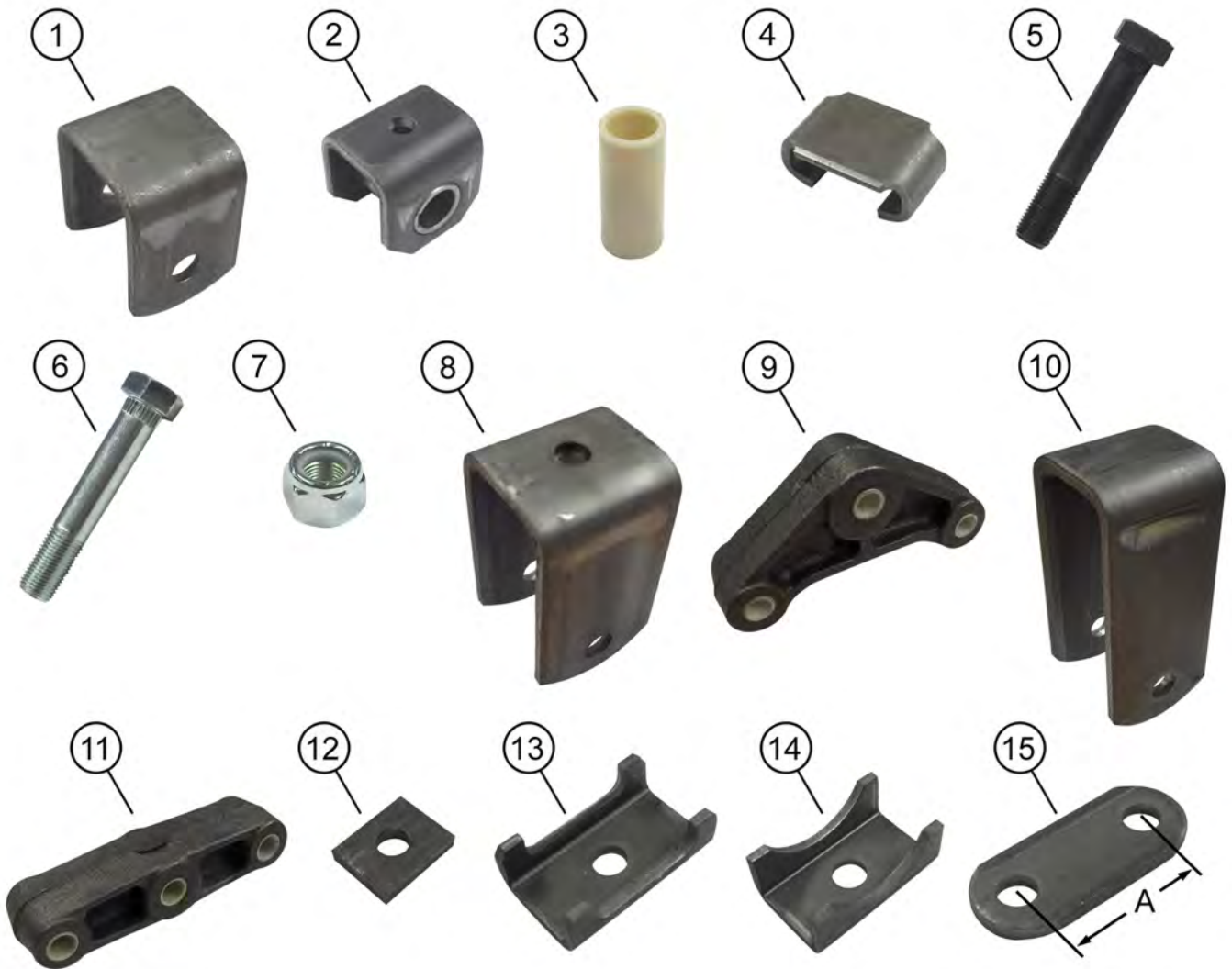


DOUBLE-EYE LEAF SPRINGS			
KEY NO.	PART NO.	DESCRIPTION	A
1	32466	SPRING, DOUBLE-EYE, 3-LEAF, 2,250LB. CAPACITY PER PAIR	26"
2	32467	SPRING, DOUBLE-EYE, 4-LEAF, 3,000LB. CAPACITY PER PAIR	26"
3	32468	SPRING, DOUBLE-EYE, 5-LEAF, 3,750LB. CAPACITY PER PAIR	26"
4	32469	SPRING, DOUBLE-EYE, 7-LEAF, 5,200LB. CAPACITY PER PAIR	26"



SLIPPER LEAF SPRINGS			
KEY NO.	PART NO.	DESCRIPTION	A
1	32477	SPRING, SLIPPER, 3-LEAF, 1,200LB. CAPACITY PER PAIR	25"
2	32459	SPRING, SLIPPER, 3-LEAF, 1,800LB. CAPACITY PER PAIR	25"
3	32488	SPRING, SLIPPER, 3-LEAF, 2,600LB. CAPACITY PER PAIR	25"
4	30001	SPRING, SLIPPER, 4-LEAF, 2,800LB. CAPACITY PER PAIR	25"

SPRING ATTACHMENT COMPONENTS



PLEASE SEE FOLLOWING PAGE FOR PART NUMBERS AND DESCRIPTIONS.

SPRING ATTACHMENT COMPONENTS

KEY NO.	PART NO.	DESCRIPTION
1	32483	HANGER, FRONT, 1.875"
2	33520	HANGER, REAR
3	32481	BUSHING, NYLON, .75" O.D. x 1.75" (FOR USE WITH #33520 REAR HANGER AND ROCKERS)
4	33884	HANGER, REAR (FOR USE WITH SLIPPER SPRING)
5	32419	BOLT, SHACKLE, 9/16"-18 x 3.12", STANDARD
6	34333	BOLT, SHACKLE, 9/16"-18 x 3.12", PLATED
7	32432	NUT, 9/16"-18, NYLOCK (FOR USE WITH #32419 & #34333 SHACKLE BOLTS)
8	32835	HANGER, CENTER, 3.5" (FOR USE WITH #34050 TRIANGULAR ROCKER)
9	34050	ROCKER, TRIANGULAR, 5.5" CENTER TO CENTER (INCLUDES NYLON BUSHINGS)
10	32484	HANGER, CENTER, 4.71" (FOR USE WITH #32492 STRAIGHT ROCKER)
11	32492	ROCKER, STRAIGHT, 5.5" CENTER TO CENTER (INCLUDES NYLON BUSHINGS)
12	33514	PAD, SPRING (FOR USE WITH 1-1/2" SQUARE AXLE)
13	33513	PAD, SPRING, 3" LONG (FOR USE WITH 2" WIDE SQUARE AXLE)
14	32670	PAD, SPRING (FOR USE WITH 2-3/8" ROUND AXLE)
15-A	33516	STRAP, LINK, 2-1/4", UNCOATED
15-A	34332	STRAP, LINK, 2-1/4", PLATED
15-A	35554	STRAP, LINK, 2-1/2", UNCOATED
15-A	35555	STRAP, LINK, 2-1/2", PLATED
15-A	34730	STRAP, LINK, 2-3/4", UNCOATED
15-A	34731	STRAP, LINK, 2-3/4", PLATED
15-A	34732	STRAP, LINK, 3-1/4", UNCOATED
15-A	34349	STRAP, LINK, 3-1/4", PLATED
15-A	34334	STRAP, LINK, 3-3/4", UNCOATED
15-A	34336	STRAP, LINK, 3-3/4", PLATED



SAFETY CABLES		
KEY NO.	PART NO.	DESCRIPTION
1a	32105-36	CABLE, SAFETY, 3.5K, S-HOOK, 36" LONG
1b	32112-36	CABLE, SAFETY, 5K, S-HOOK, 36" LONG
1c	32112-48	CABLE, SAFETY, 5K, S-HOOK, 48" LONG
1d	32112-54	CABLE, SAFETY, 5K, S-HOOK, 54" LONG
1e	32112-60	CABLE, SAFETY, 5K, S-HOOK, 60" LONG
1f	32117-30	CABLE, SAFETY, 7K, S-HOOK, 30" LONG
1g	32117-36	CABLE, SAFETY, 7K, S-HOOK, 36" LONG
1h	32117-48	CABLE, SAFETY, 7K, S-HOOK, 48" LONG
1i	32117-60	CABLE, SAFETY, 7K, S-HOOK, 60" LONG
2a	32110-48	CABLE, SAFETY, 5K, FORGED HOOK, 48" LONG
2b	32115-36	CABLE, SAFETY, 7K, FORGED HOOK, 36" LONG
2c	32115-48	CABLE, SAFETY, 7K, FORGED HOOK, 48" LONG
2d	32115-60	CABLE, SAFETY, 7K, FORGED HOOK, 60" LONG
2e	32120-36	CABLE, SAFETY, 10K, FORGED HOOK, 36" LONG
2f	32120-48	CABLE, SAFETY, 10K, FORGED HOOK, 48" LONG



SUPERIOR MATERIALS:

- BRASS CORROSION-RESISTANT FITTINGS
- FLEXIBLE HOSE FOR ALL APPLICATIONS
- THERMOPLASTIC HOSE FOR RUST RESISTANCE
- WORKING PRESSURE OF 3,000 psi
- MEETS OR EXCEEDS FMVSS STANDARD

THERMOPLASTIC BRAKE LINES	
PART NO.	DESCRIPTION
37204-12	BRAKE LINE, THERMOPLASTIC, 12"
37204-14	BRAKE LINE, THERMOPLASTIC, 14"
37204-18	BRAKE LINE, THERMOPLASTIC, 18"
37204-24	BRAKE LINE, THERMOPLASTIC, 24"
37204-28	BRAKE LINE, THERMOPLASTIC, 28"
37204-30	BRAKE LINE, THERMOPLASTIC, 30"
37204-40	BRAKE LINE, THERMOPLASTIC, 40"
37204-48	BRAKE LINE, THERMOPLASTIC, 48"
37204-54	BRAKE LINE, THERMOPLASTIC, 54"
37204-60	BRAKE LINE, THERMOPLASTIC, 60"
37204-66	BRAKE LINE, THERMOPLASTIC, 66"
37204-68	BRAKE LINE, THERMOPLASTIC, 68"
37204-70	BRAKE LINE, THERMOPLASTIC, 70"
37204-78	BRAKE LINE, THERMOPLASTIC, 78"
37204-80	BRAKE LINE, THERMOPLASTIC, 80"
37204-84	BRAKE LINE, THERMOPLASTIC, 84"
37204-87	BRAKE LINE, THERMOPLASTIC, 87"
37204-90	BRAKE LINE, THERMOPLASTIC, 90"
37204-96	BRAKE LINE, THERMOPLASTIC, 96"

(CONTINUED ON NEXT PAGE)

THERMOPLASTIC BRAKE LINES (CONTINUED)

PART NO.	DESCRIPTION
37204-101	BRAKE LINE, THERMOPLASTIC, 101"
37204-102	BRAKE LINE, THERMOPLASTIC, 102"
37204-110	BRAKE LINE, THERMOPLASTIC, 110"
37204-123	BRAKE LINE, THERMOPLASTIC, 123"
37204-126	BRAKE LINE, THERMOPLASTIC, 126"
37204-141	BRAKE LINE, THERMOPLASTIC, 141"
37204-162	BRAKE LINE, THERMOPLASTIC, 162"
37204-180	BRAKE LINE, THERMOPLASTIC, 180"
37204-192	BRAKE LINE, THERMOPLASTIC, 192"
37204-204	BRAKE LINE, THERMOPLASTIC, 204"
37204-210	BRAKE LINE, THERMOPLASTIC, 210"
37204-216	BRAKE LINE, THERMOPLASTIC, 216"
37204-228	BRAKE LINE, THERMOPLASTIC, 228"
37204-240	BRAKE LINE, THERMOPLASTIC, 240"
37204-246	BRAKE LINE, THERMOPLASTIC, 240"
37204-252	BRAKE LINE, THERMOPLASTIC, 252"
37204-264	BRAKE LINE, THERMOPLASTIC, 264"
37204-276	BRAKE LINE, THERMOPLASTIC, 276"
37204-282	BRAKE LINE, THERMOPLASTIC, 282"
37204-288	BRAKE LINE, THERMOPLASTIC, 288"
37204-300	BRAKE LINE, THERMOPLASTIC, 300"
37204-312	BRAKE LINE, THERMOPLASTIC, 312"
37204-336	BRAKE LINE, THERMOPLASTIC, 336"
37204-360	BRAKE LINE, THERMOPLASTIC, 360"

OTHER LENGTHS AVAILABLE UPON SPECIAL REQUEST



WHEEL BEARING PROTECTORS AND DUST CAPS		
KEY NO.	PART NO.	DESCRIPTION
1	07500	TRAILER BUDDY GREASE PROTECTOR, 1.980", STAINLESS STEEL
2	07509	TRAILER BUDDY COVER CAP
3a	07502	TRAILER BUDDY VAULT PROTECTOR, 1.980", STAINLESS STEEL
3b	05800	TRAILER BUDDY VAULT PROTECTOR, 2.328", STAINLESS STEEL
3c	05801	TRAILER BUDDY VAULT PROTECTOR, 2.441", STAINLESS STEEL
3d	05802	TRAILER BUDDY VAULT PROTECTOR, 2.717", STAINLESS STEEL
4a	07501	TRAILER BUDDY GOLD OIL PROTECTOR, 1.980", STAINLESS STEEL
4b	05830	TRAILER BUDDY GOLD OIL PROTECTOR, 2.328", STAINLESS STEEL
4c	05831	TRAILER BUDDY GOLD OIL PROTECTOR, 2.441", STAINLESS STEEL
4d	05829	TRAILER BUDDY GOLD OIL PROTECTOR, 2.717", STAINLESS STEEL
5a	34751	DUST CAP, BEARING LUBE, 1.980", PLATED
5b	36189	DUST CAP, BEARING LUBE, 2.328", PLATED
5c	36188	DUST CAP, BEARING LUBE, 2.441", PLATED
5d	36309	DUST CAP, BEARING LUBE, 2.717", PLATED
6	32640	PLUG, GREASE (FOR BEARING LUBE DUST CAPS)
7a	32642	DUST CAP, GENERIC, 1.980", GALVANIZED
7b	32405	DUST CAP, GENERIC, 2.328", PLATED
8	35425	DUST CAP, COMMERCIAL, 1.980", GALVANIZED (WITH ZERC FITTING INSTALLED)



STAINLESS STEEL WHEEL BEARING PROTECTORS

PART NO.	DESCRIPTION
07241	STAINLESS STEEL PROTECTOR, 1.781", PACKAGED (2 PER PACKAGE)
07243	STAINLESS STEEL PROTECTOR, 1.810", PACKAGED (2 PER PACKAGE)
07245	STAINLESS STEEL PROTECTOR, 1.938", PACKAGED (2 PER PACKAGE)
07247	STAINLESS STEEL PROTECTOR, 1.968", PACKAGED (2 PER PACKAGE)
07371	STAINLESS STEEL PROTECTOR, 1.980", PACKAGED (2 PER PACKAGE)
07651	STAINLESS STEEL PROTECTOR, 1.980", THREADED, PACKAGED (2 PER PACKAGE)
07251	STAINLESS STEEL PROTECTOR, 2.047", PACKAGED (2 PER PACKAGE)
07253	STAINLESS STEEL PROTECTOR, 2.080", PACKAGED (2 PER PACKAGE)
07255	STAINLESS STEEL PROTECTOR, 2.240", PACKAGED (2 PER PACKAGE)
07257	STAINLESS STEEL PROTECTOR, 2.328", PACKAGED (2 PER PACKAGE)
07656	STAINLESS STEEL PROTECTOR, 2.441", PACKAGED (2 PER PACKAGE)
07666	STAINLESS STEEL PROTECTOR, 2.562", PACKAGED (2 PER PACKAGE)
07671	STAINLESS STEEL PROTECTOR, 2.717", PACKAGED (2 PER PACKAGE)



UFP OIL SYSTEMS		
KEY NO.	PART NO.	DESCRIPTION
1	07036	VAULT HYBRID OIL
2	07032	TBG TRAILER HUB OIL
3	37100	BLEEDER PUMP & CLAMP ASSEMBLY
3a	33075	BLEEDER PUMP - ONLY
3b	34676	CLAMP ASSEMBLY - ONLY
4	07536	VAULT PROTECTOR INSTALLATION TOOL 1.980
5	07537	VAULT PROTECTOR INSTALLATION TOOL 2.328



UFP SWING TONGUE COMPONENTS		
KEY NO.	PART NO.	DESCRIPTION
1	40501	TOP PLATE (USED FOR SWING TONGUE ACTUATORS AND WELDING TO TONGUE TUBES)
2	40502	BOTTOM PLATE (USED FOR SWING TONGUE ACTUATORS ONLY)
3	40510	SHIM, 2.7" x 2.5" X .104" (FOR WELDING TO TONGUE TUBES ONLY)
4a	40503	PIVOT BOX, 3", SWING TONGUE
4b	40504	PIVOT BOX, 4", SWING TONGUE (NOT SHOWN)
4c	40505	PIVOT BOX, 5", SWING TONGUE (NOT SHOWN)
5a	47630	HITCH PIN, 5/8" x 5", PLATED (FOR 3" & 4" SWING TONGUES)
5b	47631	HITCH PIN, 5/8" x 6", PLATED (FOR 5" SWING TONGUES) (NOT SHOWN)
6a	30008	BOLT, 5/8"-11 x 4-3/4", GRADE 8, PLATED (FOR 3" SWING TONGUES)
6b	30009	BOLT, 5/8"-11 x 5-3/4", GRADE 8, PLATED (FOR 4" SWING TONGUES) (NOT SHOWN)
6c	33010	BOLT, 5/8"-11 x 6-3/4", GRADE 8, PLATED (FOR 5" SWING TONGUES) (NOT SHOWN)
7	33229	LOCKNUT, 5/8"-11, GRADE C, PLATED
8	30012	WASHER, FLAT, 5/8", PLATED

The UFP swing tongue is a universal design and can be pivoted in either direction depending on which hole the bolt is inserted into.

INSTALL
BOLT

INSTALL
HITCH PIN

WELD PIVOT BOX

- * From the top of the swing tongue, insert a lightly greased (Nev-R-Seize is recommended) 5/8"-11 hex bolt (Grade 8) through the pivot plates and pivot box.
- * Attach a 5/8"-11 Nylock nut to the bolt. Holding the bolt stationary, tighten the Nylock nut just until the swing tongue will not freely pivot.
- * Loosen Nylock nut 1/4 turn.

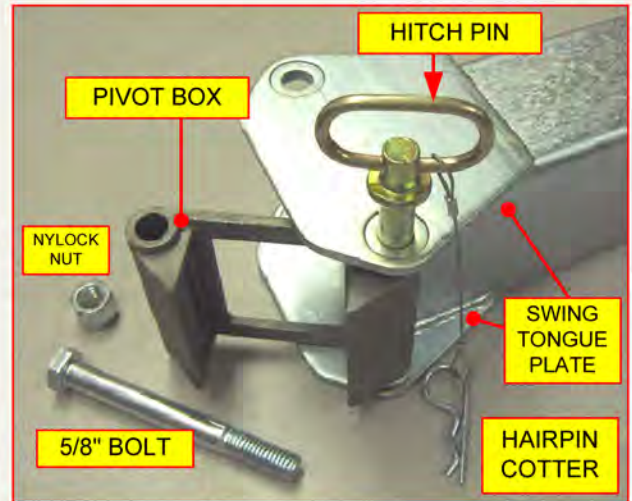
- * Insert 5/8" diameter hitch pin and secure with the attached hairpin cotter.



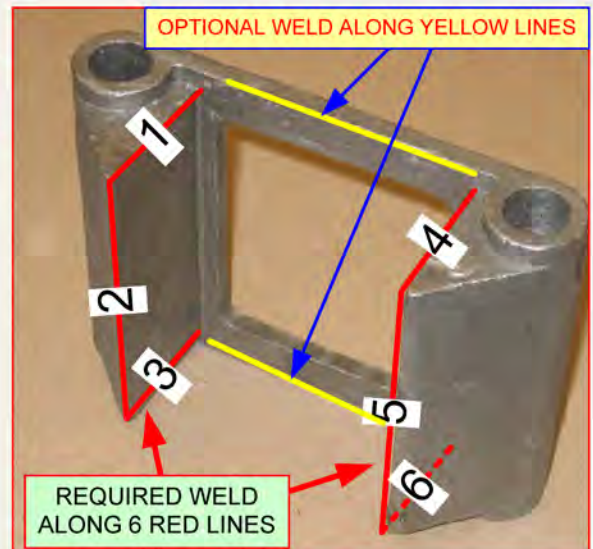
Grade 8 bolt head



Grade 5, replaced

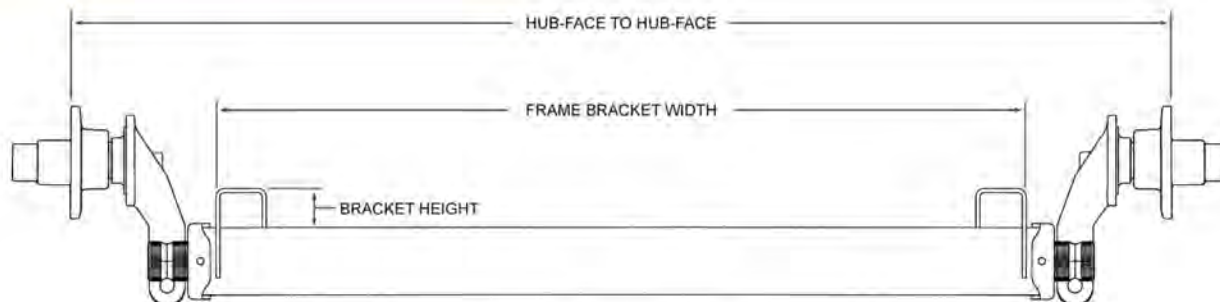


WELD BOTH SIDE





TORSION AXLE ORDER FORM



AXLE CAPACITY **: _____ **HUB FACE:** _____

*Always refer to "Axle Capacity vs. Overhang" section on torsion axle specification sheet to determine actual capacity.

FRAME BRACKET WIDTH **: _____ (Measured from outside of frame bracket to outside of frame bracket.)

** Dimension from hub-face to outside of frame bracket must be a minimum of 7" per side on 5-bolt axles and 9" per side on 6-bolt and 8-bolt axles.

FRAME BRACKET HEIGHT & STYLE (check one):

0" for channel frame: _____ 1.82" for channel frame: _____ 4.32" for channel frame: _____

0" for I-beam frame: _____ 4.32" for I-beam frame: _____

STRAIGHT OR V-BEND BEAM: _____ **RAW OR GALVANIZED BEAM:** _____

HUB BOLT PATTERN: _____ (5 on 4 1/2", 6 on 5 1/2" or 8 on 6 1/2")

HUB COATING: _____ **SPINDLE TRAILING ARM COATING:** Raw _____ or Zinc+ _____

LUBRICATION (check one):

Trailer Buddy Grease: _____ Vault Hybrid Lube: _____ Bearing Lube: _____ Dust Cap: _____

BRAKES (check one):

Non-Brake: _____ Disc Brake: _____ Hydraulic Drum Brake: _____ Electric Drum Brake: _____

INSTALL SPINDLE TRAILING ARMS: Yes _____ or No _____

SPINDLE TRAILING ARM START ANGLE *:** _____ **ABOVE OR BELOW CENTERLINE:** _____

(*** Spindle trailing arms are set at 6 degree increments above or below axle centerline.) **Note: Ride will suffer when start angle is more than 18 degrees above axle centerline, or more than 42 degrees below axle centerline.**

NOTES: _____

CUSTOMER NAME: _____ **CONTACT:** _____

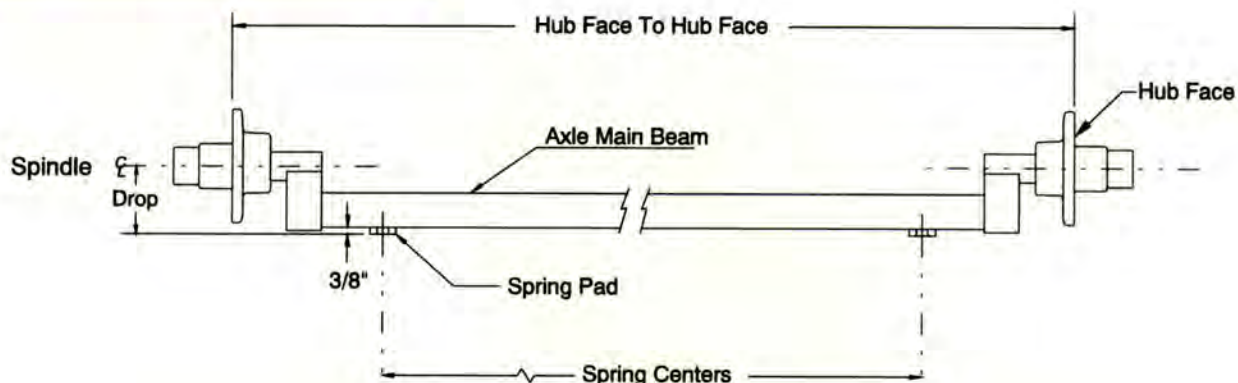
PO#: _____ **TELEPHONE:** _____ **FAX:** _____

SHIP TO ADDRESS: _____

DATE: _____



SPRING AXLE ORDER FORM



AXLE CAPACITY *: _____ **HUB FACE:** _____

*Always reference UFP overhang chart for actual capacity.

DROP: _____ (Measured from bottom of spring pad to centerline of spindle, with spring pads welded to bottom of beam. Drops of 2 1/2", 3 1/2", 4 1/2" and 5 1/2" are available. Note: In straight axles, the spindle centerline and axle main beam centerline are identical if camber is not considered.)

SPRING CENTER: _____ **TOP OR BOTTOM:** _____ **PADS LOOSE:** _____

BEAM MATERIAL: _____ (2"x2", 2"x3", etc.) **STRAIGHT OR V-BEND BEAM:** _____

RAW OR GALVANIZED BEAM: _____

HUB BOLT PATTERN: _____ (5 on 4 1/2", 6 on 5 1/2" or 8 on 6 1/2")

LUBRICATION (check one):

Trailer Buddy Grease: _____ Vault Hybrid Lube: _____ Bearing Lube: _____ Dust Cap: _____

BRAKES (check one):

Non-Brake: _____ Disc Brake: _____ Hydraulic Drum Brake: _____ Electric Drum Brake: _____

HUB COATING: _____

NOTES: _____

CUSTOMER NAME: _____ **CONTACT:** _____

PO#: _____ **TELEPHONE:** _____ **FAX:** _____

SHIP TO ADDRESS: _____

_____ **DATE:** _____

AXLE LOAD RATING VS. OVERHANG

AXLE CODE	AXLE LOAD RATINGS					
	5	6	7	8	9	
	10 OVERHANG (inches)					
SA-12	1500	1215	1040	900		
SA-21	2300	2080	1780	1560		
SA-23 DC-23		2300	2300	2300	2250	2030
SA-25 DC-25		2500	2500	2500	2250	2030
SA-29 DC-29			2900	2540	2250	2030
SA-35 DC-35			3500	3060	2720	2450
			3750	3750	3750	3625
DC-37			4200	4200	4040	3625
				5200	5190	4700
DC-42						
DC-52						

Notes: 1. Overhang is the distance from the center of the tire to the center of the spring mounting pad (spring).

2. For overhang greater than 10" consult factory for axle load rating.

3. See Available Load Rating and Bolt Pattern chart for wheel size limitation.

Derate 10% for tandem axle applications.

Derate 15% for triple axle applications.

TRAILER BUDDY® AXLE ASSEMBLIES

Available Load Ratings and Bolt Patterns

AXLE CODE	MAXIMUM LOAD AT OVERHANG	AXLE CROSS SECTION	INNER		OUTER		HUB BOLT PATTERN	MAXIMUM WHEEL SIZE
			CONE	CUP	CONE	CUP		
			GREASE SEAL					
SA-12	1200# at 6"	1.5" x 1.5" x 0.120" wall square tube	44649	44610	44649	44610	5 on 4-1/2"	13" 1
			198-138-SP-1					
SA-21	2100# at 6"	1.5" x 1.5" x 0.180" wall square tube	44649	44610	44649	44610	5 on 4-1/2"	13" 1
			198-138-SP1-1					
SA-23 DC-23	2300# at 8"	2" x 2" x 0.180" wall square tube	44649	44610	44649	44610	5 on 4-1/2"	13" 1 3 4
			198-138-SP1-1					
SA-25 DC-25	2500# at 8"	2" x 2" x 0.180" wall square tube	44649	44610	44649	44610	5 on 4-1/2"	14" 2 3 4
			198-138-SP1-1					
SA-29 DC-29	2900# at 7"	2" x 2" x 0.180" wall square tube	68149	68110	44649	44610	5 on 4-1/2"	15" 3 4
			233or256 -168-SP2-1					
SA-35 DC-35	3500# at 7"	2" x 2" x 0.250" wall square tube	68149	68110	44649	44610	5 on 4-1/2" or 5 on 5-1/2"	15" 3 4
			233or256 -168-SP2-1					
DC-37	3750# at 7"	2" x 3" x 0.180" wall rectangle tube	68149	68110	44649	44610	5 on 4-1/2" or 5 on 5-1/2"	15" 3 4
			233or256 -168-SP2-1					
DC-42	4200# at 8"	2" x 3" x 0.180" wall rectangle tube	68149	68110	68149	68110	5 on 4-1/2"	15" 3 4
			233-168-SP2-1					
DC-52	5200# at 8"	2" x 3" x 0.250" wall rectangle tube	25580	25520	67048	67010	6 on 5-1/2"	16" 3 4
			338-213-SP2-1					
DC-60	6000# at 8"	2" x 3" x 0.250" wall rectangle tube	25580	25520	14125	14276	8 on 6-1/2"	16" 3 4
			338-213-SP2-1					

Notes:

1 For 13" wheels, maximum. Static loaded tire radius not to exceed 11.0 inches.

2 For 14" wheels, maximum. Static loaded tire radius not to exceed 12.2 inches.

3 For tandem axle trailers derate this axle by 10%.

4 For triple axle trailers derate this axle by 15%.

Note: Loading capacity varies with overhang. Consult the factory for load capacities at other overhang dimensions.