MULTI-PIECE RIM MATCHING CHART

WARNING

TIRE AND RIM SERVICING CAN BE DANGEROUS AND MUST ONLY BE PERFORMED BY TRAINED PERSONNEL USING PROPER PROCEDURES AND TOOLS.

FAILURE TO READ AND COMPLY WITH ALL OF THESE PROCEDURES MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU AND OTHERS.

WARNING

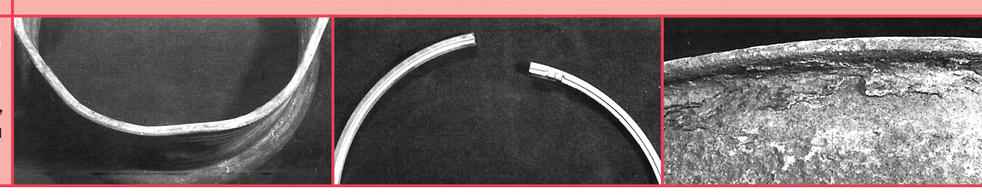
PLEASE NOTE: THIS IS CHART 3 OF A 3-CHART SET. BE SURE TO ALSO READ, UNDERSTAND AND COMPLY WITH CHARTS 1 AND 2 RE: DEMOUNTING AND MOUNTING PROCEDURES FOR TRUCK AND BUS TIRES (TUBELESS/TUBE-TYPE)

DISCONTINUED PARTS

RIM REPLACEMENT PARTS THAT ARE OBSOLETE, DISCONTINUED OR NO LONGER IN PRODUCTION ARE SHADED IN RED.

If you are working on a rim/wheel assembly of discontinued parts that are cracked, bent, worn, pitted by corrosion, or unserviceable in any way, for whatever reason — **STOP!** You must discard all damaged components.

EXAMPLES OF UNSERVICEABLE PARTS



RIM PARTS NOT SHOWN IN CHART

THIS CHART IS NOT ALL-INCLUSIVE. Rim parts marked with **EXACTLY** the same size and type identification stamps may be used together even though they are not shown on this chart. Rim parts marked with different size and type identification stamps should **NEVER** be used together. Just because components come in together, does not mean they are matched. See WARNINGS.

WARNING

ALWAYS comply with the procedures on this chart and in the wheel manufacturers' catalogs, instruction manuals or other industry and government instruction materials. Failure to do so may cause serious injury or death for you and others.

WARNING

Any inflated tire mounted on a wheel contains explosive energy. The use of damaged, mismatched or improperly assembled tire and wheel components can cause the assembly to separate with explosive force. If struck by an exploding tire, wheel component, or the air blast, you or someone else may be seriously injured or killed.

WARNING

Re-assembly and inflation of mismatched components on multi-piece tire and wheel assemblies can result in serious injury or death. Just because the components come in together does not mean they are matched. Check identification stamps for proper matching of all rim parts before assembling a multi-piece tire and wheel.

WARNING

Mismatching tire and rim diameters is dangerous. A mismatched tire and rim assembly may separate and can result in serious injury or death. This warning applies to 16" and 16.5" tire and rim assemblies as well as other sized assemblies. **NEVER** assemble a tire and rim unless you have positively identified and correctly matched the tire and rim diameter.

WARNING

Completely deflate any tire by removing the valve core before removing the tire/wheel assembly from the axle if there is known or suspected damage to the tire or wheel or if the tire has been operated at 80% or less of its recommended operating pressure. Demount, inspect and match all tire and rim parts before re-inflating in a restraining device.

WARNING

NEVER use starter fluid, ether, gasoline, or other flammable materials and/or accelerants to lubricate the beads of a tire. This practice can cause the explosive separation of the tire/wheel during servicing or during highway use, which may result in serious injury or death.

HOW TO USE THESE TABLES

HOW TO MATCH RIM PARTS

1. Find the stamped identification on the rim base and ring(s). Refer to the pictures (see pictures bottom right) to help find the locations of the stamps. Identify the parts based on the stamps themselves—**DO NOT** identify the parts based only on the way they look.
2. If you cannot find the identification stamp—**STOP!** **NEVER** use a rim part that you cannot identify from the stamp.
3. Match the markings found on the rim base with those shown in the "Rim Base Identification Stamping" column in the tables below.
4. Continue reading the same line across the table to find the proper markings for the matching side ring (or lock ring and flange).
5. **NEVER** assemble mismatched rim parts (see WARNINGS above). If the identification stamps on the parts do not match—**STOP!** Select serviceable replacement parts from stock or obtain them from a rim supplier.
6. If you are working on a rim/wheel assembly of discontinued parts that are cracked, bent, worn, pitted by corrosion, or unserviceable in any way, for whatever reason—**STOP!** You must replace the entire discontinued assembly with one that is in current production. Examples of unserviceable parts are shown in the photos above.

HOW TO READ THESE TABLES

Example A – Two-Piece Rim/Side Ring Assembly

1. The rim base and side ring to be assembled have identification stamps like the ones shown to the right.
2. Find 20 x 7.5 rim size in the "Rim Size" column in the tables below. Locate 20 x 7.5 FL in the "Rim Base Identification Stamping" column.
3. Continue reading the same line across the table. Find the matching side ring markings in the "Side Ring Identification Stamping" column.
4. One of the proper markings is: 20 x 7.5 FL. This matches the stamp of the side ring shown in the photo. These parts are matched and will make a proper assembly.

Example B – Three-Piece Rim/Side Ring Assembly

1. Follow Steps 1 and 2 in Example A – Two-Piece Assembly.
2. Read across the table in the same row to find the proper match in the "Lock Ring Identification Stamping" and "Flange Identification Stamping" columns.

MULTI-PIECE RIM MATCHING TABLES CURRENT PRODUCTION

2-PIECE

RIM SIZE	RIM BASE IDENTIFICATION STAMPING	SIDE RING IDENTIFICATION STAMPING
15 X 6.5	15 X 6.5 LW	R15 X 6.5-7.0 LB-LW
15 X 7.5	15 X 7.5 LW	R15 X 7.5-8.0 LB-LW
20 X 6.5	20 X 6.5 LW	R20 X 6.5-7.0 LB-LW
20 X 7.5	20 X 7.5 FL	R20 X 7.5 FL
	20 X 7.5 LW	R20 X 7.5-8.0-9.0 LB-LW
20 X 8.0	20 X 8.0 LW	R20 X 7.5-8.0-9.0 LB-LW
20 X 9.0	20 X 9.0 LW	R20 X 7.5-8.0-9.0 LB-LW
24 X 8.0	24 X 8.0 LW	R24 X 7.5-8.0-9.0 LB-LW
24 X 9.0	24 X 9.0 LW	R24 X 7.5-8.0-9.0 LB-LW

3-PIECE

RIM SIZE	RIM BASE IDENTIFICATION STAMPING	LOCK RING IDENTIFICATION STAMPING	FLANGE IDENTIFICATION STAMPING
20 X 7.5	20 X 7.5 M	LR 20 X 7.5-8.5-10.0 M	F 20 X 7.5-8.5 M
	20 X 7.5-5°	20 X 7.0-7.5-8.0-5°	20 X 7.5-8.05°-7.5 FL
20 X 8.0	20 X 8.0-5°	20 X 7.0-7.5-8.0-5°	20 X 7.5-8.05°-7.5 FL
20 X 8.5	20 X 8.5 M	LR 20 X 7.5-8.5-10.0 M	F 20 X 7.5-8.5 M
20 X 10.0	20 X 10.0 M	LR 20 X 7.5-8.5-10.0 M	F 20 X 10.0 M
22 X 8.0	22 X 8.0-5°	22 X 7.0-7.5-8.0-5°	22 X 8.0-5°
24 X 7.5	24 X 7.5 M	LR 24 X 7.5-8.5-10.0 M	F 24 X 7.5-8.5 M
24 X 8.0	24 X 8.0-5°	24 X 7.0-7.5-8.0-5°	24 X 8.0-5°
24 X 8.5	24 X 8.5M	LR 24 X 7.5-8.5-10.0 M	F 24 X 7.5-8.5 M
	24 X 8.5-5°	24 X 8.5-5°	24 X 8.5-5°
24 X 10.0	24 X 10.0 M	LR 24 X 7.5-8.5-10.0 M	F 24 X 10.0 M

MULTI-PIECE RIM MATCHING TABLES OUT-OF-PRODUCTION (OBSOLETE)

2-PIECE

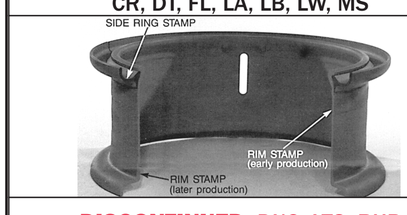
RIM SIZE	RIM BASE IDENTIFICATION STAMPING	SIDE RING IDENTIFICATION STAMPING
15 X 5.5	15 X 5.5 LTS; B5515 TS	R15 X 5.5 LTS; R5515 TS
	15 X 5.5 LW; B5515 LW	R15 X 5.5-6.0 LB-LW; R5515 LW; R5015 L
	15 X 5.50 F RHP	15 X 5.00 F RHP; 15 X 4.50E-5.50 F RIP
15 X 6.0	15 X 6.0 LTS; B6015 TS	R15 X 6.0 LTS; R6015 TS
	15 X 6.0 LW; B6015 LW	R15 X 5.5-6.0 LB-LW; R5515 LW
15 X 6.5	B6515 LW	R15 X 6.5-7.0 LB-LW ①; R6515 LW; R6015 L
15 X 7.0	15 X 7.0 LW; B7015 LW	R15 X 6.5-7.0 LB-LW ①; R6515 LW
	1715 15-7.0	1715 RC15-7.0
15 X 7.5	1115 15-7.5	1115 RC15-7.5
	B7515 LW	R15 X 7.5-8.0 LB-LW ①; R8015 LW
	B7515 LB	R8015 LW
16 X 5.5	16 X 5.5 LTS; 16 X 5.50 F-LTS; B5516 TS	R16 X 5.5 LTS; R5516 TS; 16 X 5.50 F-LTS
	16 X 5.50 F RHP	16 X 5.50 F RHP; 16 X 4.50E-5.50 F RIP
	16 X 5.50 F-DUO ①	R5516 LTS ①; 16X5.50F LTS ①; DUO 16X5.5 F
16 X 6.0	16 X 6.0 LTS; B6016 TS	R16 X 6.0 LTS; R6016 TS
	16 X 6.00 G RHP	16 X 6.00 G RHP; 16 X 6.00 G RIP
16 X 6.5	16 X 6.5 LTS; B6516 TS	R16 X 6.5 LTS; R6516 TS
20 X 5.0	B5020 LW	R5020 LW
	B5020 KW	R5020 KW
20 X 5.5	B5520 LW	20 X 5.5-6.0DT-LB-LW ③; R5520 LW
	20 X 5.50 F RHP	20 X 5.50 RHP; 20 X 5.50F RIP
	B5520 KW	R5520 KW
20 X 6.0	20 X 6.0 FL	20 X 6.0 FL
	20 X 6.0 LB; B6020 LB; 20 X 6.0 DT-LB ③	R20 X 5.5-6.0 LB-LW; R5520 LW; 20 X 5.5-6.0DT-LB-LW ③
	20 X 6.0 LW; B6020 LW	R20 X 5.5-6.0 LB-LW; R5520 LW; 20 X 5.5-6.0DT-LB-LW ③
	20 X 6.0 RH5°; 20 X 6.0 -RH5°	20 X 6.0 RH5°
	20 X 6.0 XL	20 X 6.0 XL; 20 X 6.0-6.5 XL
	B6020 KW	R5520 KW
	BW-5 20 X 6.0	BW-5 20 X 6.0
20 X 6.5	20 X 6.5 CR; B6520 CR	20 X 6.5-7.0 CR; R6520 -CR; R20 X 6.5-7.0 CR
	20 X 6.5 LB; B6520 LB; 20 X 6.5 DT-LB ③	R20 X 6.5-7.0 LB-LW ③; R6520 LW; 20 X 6.5-7.0 DT-LB-LW ③
	B6520 LW	R20 X 6.5-7.0 LB-LW ③; R6520 LW; 20 X 6.5-7.0DT-LB-LW ③
	20 X 6.5 RH5°; 20 X 6.5 -RH5°	20 X 6.5 RH5°
	20 X 6.5 XL	20 X 6.5 XL; 20 X 6.0-6.5 XL
	B6520 KW	R6020 K; R6520 K
	BW-5 20 X 6.5	BW-5 20 X 6.5-7.0 T
20 X 7.0	20 X 7.0 CR; B7020 CR	20 X 6.5-7.0 CR; R20 X 6.5-7.0 CR; R6520 CR
	1720 20-7.0; K-H 20 X 7.0	1720 RC20-7.0
	20 X 7.0 LB; B7020 LB; 20 X 7.0 DT-LB ③	R20 X 6.5-7.0 LB-LW ③ R6520 LW; 20 X 6.5-7.0 DT-LB-LW ③
	20 X 7.0 LW; B7020 LW	R20 X 6.5-7.0 LB-LW ③ R6520 LW; 20 X 6.5-7.0 DT-LB-LW ③
	B7020 KB	R6520 KW
	B7020 KW	R6520 KW
	B7020 KWX	R6520 KW
	20 X 7.0 BW5°	BW-5 20 X 6.5-7.0 T
20 X 7.5	B7520 FL	20 X 7.5 FL; R20 X 7.5 FL ①; R7520 FL
	1020 20-7.5; T/M 20-7.5 8-A3-190	1020 RC 20-7.5; T/M 2.0-7.5 8-A3-190
	1120 20-7.5; D-13520 20-7.5; A-AA 2951 20-7.5; K-H 20 X	1120 RC 20-7.5; D 2.0-7.5 D 13520 SR; F20-7.5 A-AA
	20 X 7.5 LA; 20 X 7.5 MS; B7520 LA	R20 X 7.5 LA; 20 X 7.5 MS; R7520 LA
	20 X 7.5 LB; 20 X 7.5DT-LB ①; B7520LB; G20750B ②	R20 X 7.5-8.0-9.0 LB-LW ①; 20 X 7.5-8.0 DT-LB-LW ③; R8020
	20 X 7.50 LW; B7520 LW; G20750B ②	R20 X 7.5-8.0-9.0 LB-LW ①; 20 X 7.5-8.0 DT-LB-LW ③; R8020
	B7520 KB	R8020 KW
	B7520 KW	R8020 KW
	B7520 KWX	R8020 KW
	BW-5 20 X 7.5	BW-5 20 X 7.5
20 X 8.0	20 X 8.00 LW; B8020 LW; G20800B ②	R20 X 7.5-8.0-9.0 LB-LW ①; 20 X 7.5-8.0 DT-LB-LW ③; R8020
	B8020 KW	R7520 K
20 X 9.0	B9020 M	R20 X 7.5-8.0-9.0 LB-LW ①; R8020 LW; R7520 L
20 X 10.0	20 X 10.0 LA; B1020 LA	R20 X 10.0 LA; R1020 LA
22 X 7.5	1022 22-7.5; T/M 22-7.5 8-A3-191	1022 RC22-7.5; T/M 22-7.5 8-A3-191
	1122 22-7.5; D-13522 22-7.5; A-AA2952 22-7.5	1122 RC22-7.5; D 22-7.5D 13522-SR; F 22-7.5 A-AA2952-1
	22 X 7.5 FL; B7522 FL	22 X 7.5 FL; R22 X 7.5 FL; R7522 FL
	22 X 7.5 LB; 22 X 7.5DT-LB ①; B7522 LB; G22750B ②	R22 X 7.5-8.0-9.0 LB-LW; 22 X 7.5-8.0 DT-LB-LW ①; R8022
	22 X 7.5 LW; 22 X 7.50 LW; B7522 LW; G22750B ②	R22 X 7.5-8.0-9.0 LB-LW; 22 X 7.5-8.0 DT-LB-LW ①; R8022
	B7522 KB	R8022 KW
	B7522 KW	R8022 KW
	B7522 KWX	R8022 KW
	BW-5 22 X 7.5	BW-5 22 X 7.5
22 X 8.0	22 X 8.0 LW; 22 X 8.00 LW; B8022 LW; G22800B ②	R22 X 7.5-8.0-9.0 LB-LW; 22 X 7.5-8.0 DT-LB-LW ①; R8022
	B8022 KW	R7522 KW
24 X 8.0	B8024 LW	R24 X 7.5-8.0-9.0 LB-LW ①; R8024 LW; R7524 L
	B8024 KW	R7524 K
24 X 9.0	B9024 M	R24 X 7.5-8.0-9.0 LB-LW ①; R8024 LW; R7524 L
24 X 10.0	24 X 10.0 LA; B1024 LA	R24 X 10.0 LA; R1024 LA

3-PIECE

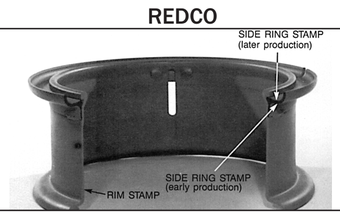
RIM SIZE	RIM BASE IDENTIFICATION STAMPING	LOCK RING IDENTIFICATION STAMPING	FLANGE IDENTIFICATION STAMPING
15 X 7.0	15 X 7.0-5°	15 X 7.0-7.5-8.0-5°	15 X 7.0-5°
15 X 7.5	15 X 7.5-5°	15 X 7.0-7.5-8.0-5°	15 X 7.5-5°
20 X 5.0	20 X 5.0	20 DIA	20 X 5
20 X 6.0	20 X 6.0-5°	20 X 6.0-5°	20 X 6.0-5°-FL
	20 X 6.0 FL	20 X 6.0 FL	20 X 6.0-5°-FL
	20 X 6.0	20 DIA	20 X 6
	BW-5 20 X 6.0	BW-5 20 X 6.5-7.0 T	BW-5 20 X 6.0
20 X 6.5	20 X 6.5-5°	20 X 6.5-5°	20 X 6.5-5°-CR; F6520 CR
	20 X 6.5 CR; B6520 CR	20 X 6.5-7.0 CR; LR6520 CR; LR20 X 6.5-7.0 CR	20 X 6.5-5°-FL-CR; F6520 CR; F20X6.5 CR
	20 X 6.5	20 DIA	20 X 6.5
	BW-5 20 X 6.5	BW-5 20 X 6.5-7.0 T	BW-5 20 X 6.5-7.0 T
20 X 7.0	20 X 7.0 CR; B7020 CR	20 X 6.5-7.0 CR; LR6520 CR; LR20 X 6.5-7.0 CR	20 X 7.0-5°-FL-CR; F7020 CR; F20 X 7.0 CR; 20 X 7.0-5°-FL-CR-8.00
	20 X 7.0-5°	20 X 7.0-7.5-8.0-5°	20 X 7.0-5°-FL-CR-8.00 RTH; F7020 CR; 20 X 7.0-5°-FL-
	20 X 7.0 BW5°	BW-5 20 X 6.5-7.0 T	BW-5 20 X 6.5-7.0 T
20 X 7.5	B7520 FL	20 X 7.5 FL; LR20 X 7.5 FL; LR7520 FL	20 X 7.5-5°-FL; 20 X 7.5-8.05°-7.5 FL; F20 X 7.5 FL; F7520
	20 X 7.5 M ④	LR20 X 7.5-8.5-10.0 M ④; LR20 M	F20 X 7.5-8.5 M ④; F7520 M
	20 X 7.50-5°; F20750 B ②	20 X 7.0-7.5-8.0-5° ④	20 X 7.5-5°-FL; 20 X 7.5-8.05°-7.5 FL ①; F7520 FL
	BW-5 20 X 7.5	BW-5 20 X 7.5-8.0V-8.5V	B-5° 20 X 7.5
20 X 8.0	20 X 8.00-5°; F20800 B ②	20 X 7.0-7.5-8.0-5°	20 X 8.0-5°; 20 X 7.5-8.05°-7.5 FL ④
	BW-5 20 X 8.0	BW-5 20 X 7.5-8.0V-8.5V	BW-5 20 X 8.0V-8.5V
20 X 8.5	20 X 8.5-5°	20 X 8.5-5°	20 X 8.5-5°
	20 X 8.5 M ④	LR20 X 7.5-8.5-10.0 M ④; LR20 M	F20 X 7.5-8.5 M ④; F7520 M
20 X 10.0	B1020 M	LR20 X 7.5-8.5-10.0 M ④; LR20 M	F20 X 10.0 M ④; F1020 M
22 X 7.5	22 X 7.5-5°; 22 X 7.50-5°; F22750 B ②	22 X 7.0-7.5-8.0-5°	22 X 7.5-5°-FL; 22 X 7.5-8.05°-FL; F22 X 7.5 FL; F7522 FL; 22 X 7.5-8.05°-7.5 FL
	22 X 7.5 FL; B7522 FL	22 X 7.5FL; LR22 X 7.5 FL; LR7522 FL	22 X 7.5-5°-FL; 22 X 7.5-8.05°-FL; F22 X 7.5 FL; F7522 FL; 22 X 7.5-8.05°-7.5 FL
	22 X 7.5 M	LR22 M; LR22 X 7.5-8.5-10 M	F7522 M
	BW-5 22 X 7.5	BW-5 22 X 7.5-8.0V-8.5V	B-5° 22 X 7.5
22 X 8.0	22 X 8.00-5°; F22800 B ②	22 X 7.0-7.5-8.0-5° ④	22 X 8.0-5° ④
	BW-5 22 X 8.0	BW-5 22 X 7.5-8.0V-8.5V	BW5 22 X 8.0V-8.5V
24 X 7.5	24 X 7.5 M ④	LR24 X 7.5-8.5-10.0 M ④; LR24 M	F24 X 7.5-8.5 M ④; F7524 M
	24 X 7.5-5°	24 X 7.0-7.5-8.0-5° ④	24 X 7.5-5°; 24 X 7.5-8.0-5°; 24 X 8.0-5° ④
24 X 8.0	24 X 8.0-5° ④	24 X 7.0-7.5-8.0-5° ④	24 X 7.5-8.0-5°; 24 X 8.0-5° ④
24 X 8.5	24 X 8.5 M	LR24 X 7.5-8.5-10.0 M ④; LR24 M	F24 X 7.5-8.5 M ④; F7524 M
20 X 10.0	B1024 M	LR24 X 7.5-8.5-10.0 M ④; LR24 M	F24 X 10.0 M ④; F1024 M

EXAMPLES OF TYPICAL RIM CONTOURS AND IDENTIFICATION STAMP LOCATIONS

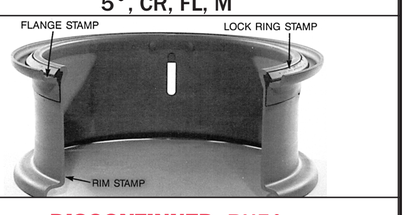
2-PIECE CURRENT PRODUCTION: CR, DT, FL, LA, LB, LW, MS



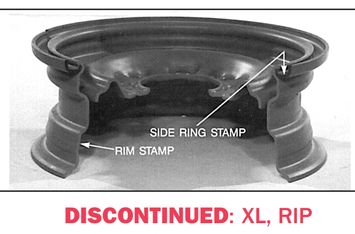
2-PIECE CURRENT PRODUCTION: REDCO



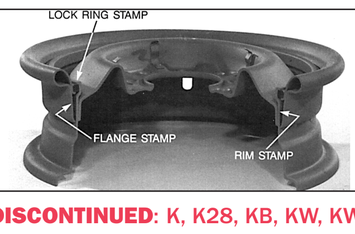
3-PIECE CURRENT PRODUCTION: 5°, CR, FL, M



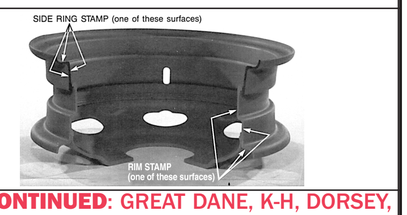
DISCONTINUED: DUO, LTS, RHP



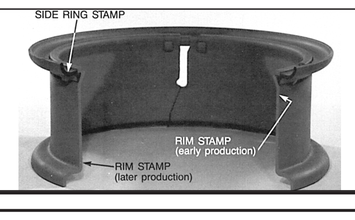
DISCONTINUED: AR



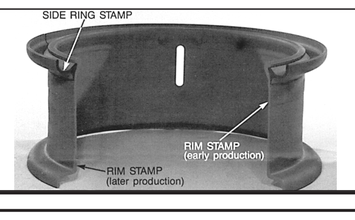
DISCONTINUED: RH5°



DISCONTINUED: XL, RIP



DISCONTINUED: K, K28, KB, KW, KWX



DISCONTINUED: GREAT DANE, K-H, DORSEY, TRAILMOBILE, STRICK CORP., FRUEHAUF

NOTES:

① Wheel numbers 86130, 86140, 86680, 86940, 87160, 87430, 87440, 87500, 87510, 87560, 87740, 88540, 88630 associated with the 16 x 5.50 F Duo rim use LTS rings. All other DUO rims use "C" section side rings (DUO 16 x 5.50 F).

② Some aluminum wheel stampings are followed by a character (X-T-N-B) which indicates a finished surface condition. This does not affect the interchangeability of the parts as shown on this table.

③ "DT", "LB", "LW" and "DT-LB-LW" are interchangable components.

④ This product is still being manufactured for use with other components.

THIS CHART MUST BE PRINTED AT LEAST 2' x 3' MINIMUM SIZE.

OSHA® Occupational Safety and Health Administration
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