

# SERVICE BULLETIN



M-962

MAY 6, 1988

## TIRE AND RIM IDENTIFICATION

### Purpose

This bulletin gives information on tire and rim marking, approved rim contours and contains charts showing the proper Dunlop tires to install on 1980 - 1988 Harley-Davidson motorcycles.

#### WARNING

Always check size of the tire being replaced - an after market rim or cast wheel of different size could have been installed. Attempting to install a tire that is incompatible with the rim could cause injury to the person installing the tire and/or instability of the motorcycle.

### Verifying That Motorcycle Has "Stock" Rims

If the size of the tire being replaced differs from the recommended size given in the attached charts, check the Certification or VIN Label. Figure 1 shows a Certification Label and the Original Equipment Manufacturer (OEM) tire sizes and matching rims. Next check the rim marking. See Figure 2 for an illustrated sample of rim marking. Federal Motor Vehicle Safety Standard No. 120 has required rim marking since 1977. If the rim marking is different from that given on the Certification Label and in the appropriate tire chart, an after market rim or cast wheel may have been installed. See Table 1 to select the proper size tire. Table 1 is from The Tire And Rim Association, Inc. Yearbook and lists tire sizes and the recommended rims. The "TIRE SIZE" column of Table 1 has been revised to include the three different methods of specifying tire sizes. See Figure 3 for a comparison of the three tire sizing methods.

### Tire Inflation Pressures

#### WARNING

Make certain that the latest inflation pressures, given in the Charts attached to this Bulletin, are given to your tire customers. Warn them not to use the inflation pressures that may be listed in their old Owner's Manuals or on the Certification Label. Improper inflation pressures may cause rapid tire wear and possible tire failure. Sudden tire failure may result in loss of control and possible injury.

MFD BY: HARLEY-DAVIDSON, INC.

DATE MANUFACTURED

GVWR : 1085 LB (493 KG.)

GAWR : F-390 LB (177 KG.) WITH MH 90-21 (B) TIRE

21 x 2.15 TLA RIM

AT 30 PSI COLD

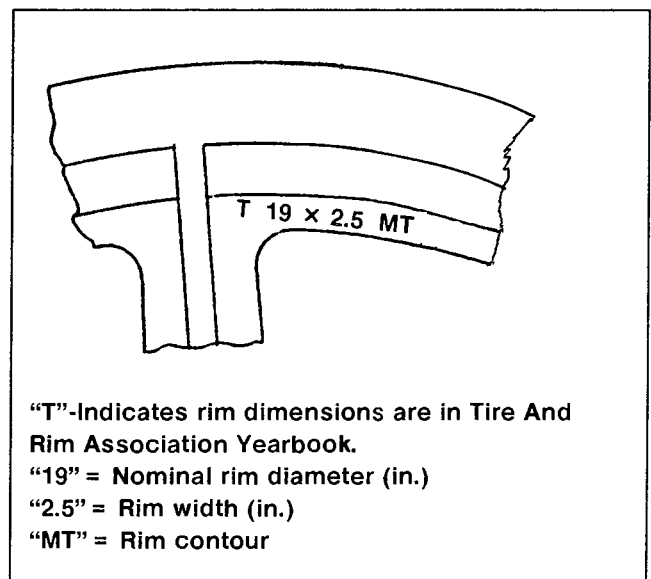
GAWR : R-695 LB (316 KG.) WITH MT 90S-16 (C) TIRE

16 x 3.00 D RIM

AT 40 PSI COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE  
FEDERAL MOTOR VEHICLE SAFETY STANDARDS  
IN EFFECT ON THE DATE OF MANUFACTURE  
SHOWN ABOVE.

Figure 1. Certification Label



"T"-Indicates rim dimensions are in Tire And Rim Association Yearbook.

"19" = Nominal rim diameter (in.)

"2.5" = Rim width (in.)

"MT" = Rim contour

Figure 2. Rim Marking

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO:
INITIAL HERE									

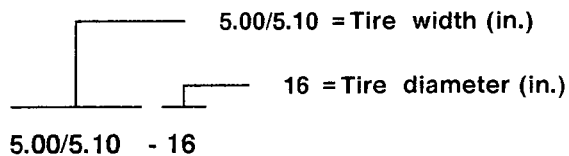
**TABLE 1**

TIRE SIZE (WIDTH)			RECOMMENDED RIM CONTOUR & WIDTH	ALTERNATE RIMS (See Notes below.)
INCH	ALPHA	METRIC		
2.50/2.75	MH90	80/90	WM2/1.85	WM1/1.60, 1.85 MT, WM3/2.15, 2.15 MT
2.75/3.00	MJ90	90/90	WM3/2.15	WM2/1.85, 1.85 MT, 2.15 MT, 2.50 MT
3.00/3.25	ML90	95/90	WM3/2.15	WM2/1.85, 1.85 MT, 2.15 MT, 2.50 MT
3.50/3.75	MM90	100/90	WM3/2.15	WM2/1.85, 1.85 MT, 2.15 MT, 2.50 MT
4.00/4.10	MN90	110/90	WM3/2.15	2.15 MT, 2.50 MT, 2.75 MT, 3.00 MT
4.20/4.25	MP85	120/85	WM3/2.15	2.15 MT, 2.50 MT, 2.75 MT, 3.00 MT
4.50	MR90	120/90	WM3/2.15	2.15 MT, 2.50 MT, 2.75 MT, 3.00 MT
4.75	MS90	120/90	2.50 MT	2.75 MT, 3.00 MT, 3.50 MT
5.00/5.10	MT90	130/90	3.00 MT	2.50 MT, 2.75 MT, 3.00D (16"ONLY), 3.50 MT
5.50/6.00	MU90	140/90	3.50 MT	2.50 MT, 2.75 MT, 3.00 MT

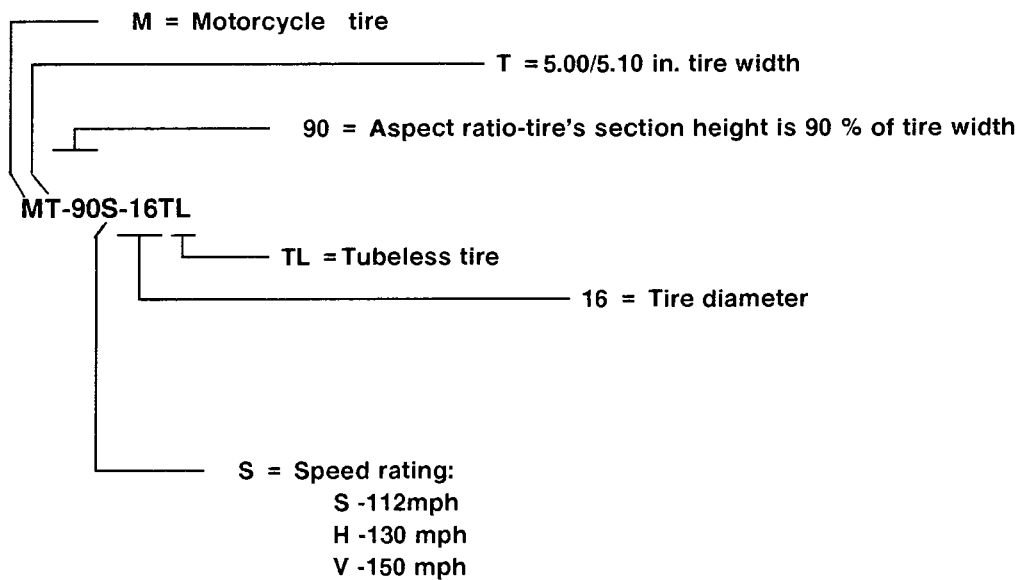
**NOTES:**

1. "TL" contour rims may be used where "MT" contour rims are specified in Table 1.
2. 2.15 TLA contour (21 in. only) and 2.50 TLA contour (19 in. only) may be used wherever 2.15 MT and 2.50 MT, respectively, are shown in Table 1.
3. "WM" is the code for cylindrical bead seat drop center rim contours; e. g., "WM2/1.85" is a rim with a cylindrical bead seat, a drop center rim contour and a bead seat width of 1.85 in.

## INCH



## ALPHA



## METRIC

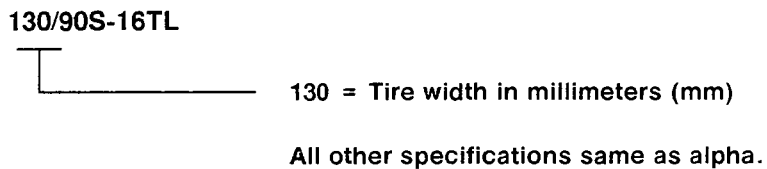


Figure 3. Three Tire Size Designations

# 1980 & 1981 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH & XLS ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	30	32
						36	40
All FL's & FLT ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
LE, CLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
ALL FX's except FXWG ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
FXWG	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
ALL FX's	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

# 1982 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, XLS, FXR, & FXRS ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	30	32
						36	40
All FL's & FLT ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
LE & CLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
ALL FX's except FXWG ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
FXWG	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
ALL FX's	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

# 1983 TIRE CHART

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MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH,XLS, XLX, FXR, FXRS, FXRT, FXRP & XR-1000 ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T XR-1000 only: K391 FXRP only: K181PT	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
					100/90V-19	30	30
					MM90S-19	30	N/A
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T XR-1000 only: K391 FXRP only: K181PT	MT90-16	30	32
						36	40
					130/90V-16	32	32
					MT90S-16	32	N/A
All FL's & FLT ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
CLE &TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
ALL FX's except FXWG&FXDG ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
FXWG & FXDG	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
ALL FX's	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

# 1984 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, XLS, XLX FXR, FXRS, FXRT, FXRDG, FXRP & XR-1000 ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
					MM90-19	30	30
		Cast	T19 X 2.15 TL	K181 or K291T XR-1000 only: K391 FXRP only: K181PT	MJ90-19	26	26
					MM90-19	30	30
					100/90V-19	30	30
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T XR-1000 only: K391 FXRP only: K181PT	MM90S-19	30	N/A
					MT90-16	30 36	32 40
					130/90V-16	32	32
					MT90S-16	32	N/A
All FL's & FLT ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
CLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
ALL FX's except FXWG&FXST ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
↓	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MJ90-19	26	26
					MM90-19	30	30
FXWG & FXST	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
ALL FX's	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

## 1985 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, XLS, XLX FXR, FXRS, FXRT, FXRDG, & FXRP ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T FXRP only: K181PT	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
					MM90S-19	30	N/A
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T FXRP only: K181PT	MT90-16	30	32
						36	40
					MT90S-16	32	N/A
All FLT's ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
CLE RLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
ALL FX's except FXWG&FXST ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
FXWG & FXST	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
ALL FX's	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40



# 1986 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, FXR, FXRS, FXRT, FXRD & FXRP ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T FXRP only: K181PT	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
					MM90S-19	30	N/A
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T FXRP only: K181PT	MT90-16	30	32
						36	40
					MT90S-16	32	N/A
All FLT's & FLST ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
RLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
FXWG & FXST	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
FXWG & FXST	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

# 1987 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, FXR, FXRS, FXRT, FXRD & FXRP ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T FXRP only: K181PT	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T FXRP only: K181PT	MM90S-19	30	N/A
					MT90-16	30	32
						36	40
					MT90S-16	32	N/A
All FLT's & FLST ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
RLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
FXST & FXLR	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40

# 1988 TIRE CHART

MODEL	WHEEL SIZE & POSITION	WHEEL TYPE	RIM SIZE & CONTOUR	DUNLOP TIRE DESIGNATION	TIRE SIZE	INFLATION PRESSURE PSI (COLD)	
						SOLO	RIDER & PASSENGER
XLH, FXR, FXRS, FXRT & FXRP ↓	19 inch front	Laced	T19 X 2.50 TLA	K181 or K291T	MJ90-19	26	26
		Cast	T19 X 2.15 TL	K181 or K291T FXRP only: K181PT	MM90-19	30	30
					MJ90-19	26	26
					MM90-19	30	30
					MM90S-19	30	N/A
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T FXRP only: K181PT	MT90-16	30	32
						36	40
					MT90S-16	32	N/A
All FLT's & FLST ↓	16 inch front	Laced or cast	T16 X 3.00D	K291T Front, Ribbed	MT90-16	36	36
↓	16 inch rear	Laced or cast	T16 X 3.00D	K291T	MT90-16	36	40
RLE & TLE SIDECARS	16 inch	Laced or cast	T16 X 3.00D	K291T	MT90-16	28	28
FXST & FXLR	21 inch front	Laced	T21 X 2.15 TLA	Front Rib	MH90-21	30	30
↓	16 inch rear	Laced or cast	T16 X 3.00D	K181 or K291T	MT90-16	32	32
						36	40