

Date: March 2016

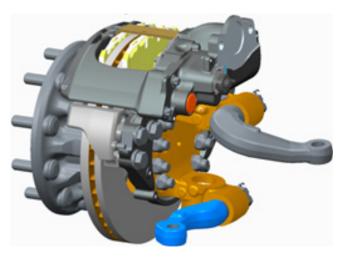
Subject: Introduction of EX225 disc brakes and discontinuation of DX195 disc brakes on Meritor Non-Drive Front Steer Axles

Models: FG-941, FG-943, TFG-941, TFG-943, MFS-66-122, MFS-66-124, TMFS-66-122 and TMFS-66-124

Dear Customer,

In an effort to continually improve and expand its product line offerings, Meritor Australia is pleased to introduce EX225 disc brakes on the locally assembled non-drive front steer axles listed above. This will replace the existing DX195 disc brakes which will be discontinued starting from March 2016.

The introduction of EX225 disc brakes on these axles is possible with the release of the enhanced knuckles (Refer to PIL 16-003).



Features of the new front axle with EX225 brakes:

- 6,622 KG (14,600 pounds) nominal Gross Axle Weight Rating (GAWR).
- Enhanced knuckle allows for packaging EX225 brakes at 12 o'clock position, which permits a wheel cut of up to 55 degrees
- Same brake caliper part numbers as specified on the Meritor rear drive axles
- Same brake pads (Friction material MA761) as specified on the Meritor rear drive axles
- Same 434mm rotor as specified on the Meritor rear drive axles
- 285mm PCD ductile hubs including ABS pole rings and Timken bearing cups
- Compatible with existing Meritor beam, steering arm and tie rod assemblies

*Note: Certain vehicle characteristics can impact an axle's performance and durability. Proper application analysis must be performed prior to axle installation to ensure acceptable operating parameters.



For installation of EX225 brakes, the enhanced knuckles with the associated king-pins and king-pin caps are required.

Component Description	FG-94* knuckles for DX195 brakes	Enhanced knuckles for EX225 brakes
Knuckle Left Hand	A1-3111-D-3514	A1-3111-K-4613
Knuckle Right Hand	A1-3111-G-7A	A1-3111-E-4633
King-Pin	3101-D-1070	3101-T-1086
King-Pin Cap Top	2297-T-4752	3280-B-9830
King-Pin Cap Bottom	2297-T-4752	3280-C-9831

The enhanced knuckle is not directly interchangeable with existing FG-94* knuckles. Service components for in-service FG-94* axles with DX195 disc brakes will continue to be available through standard Meritor aftermarket channels.

For new axles with enhanced knuckles, the king pin kit part number for service is R201608, which includes the new king-pins, king-pin caps and associated hardware items.

The EX225 pad replacement kit part number is MDP EX225 and the rotor part number is 23123642002.

For service procedures, please refer to maintenance manual MM-2 and MM-0467, which is available from the Literature on Demand section at www.meritor.com.

For the introduction of these new front axles, Meritor Australia will create new axle specification numbers with MFS66 nomenclature in place of the current FG-94* nomenclature. Please refer to page 3 and 4 for the MFS66 axle nomenclature charts.

Current Axle Nomenclature	Equivalent New Axle with Enhanced Knuckles
FG-941	MFS-66-122
FG-943	MFS-66-124
T-FG-941	T-MFS-66-122
T-FG-943	T-MFS-66-124
T-FG-94X	T-MFS-66-12X

For any questions relating to the above, please contact a Meritor® Australia representative on +613-9300-5200. Additional product and service information for Meritor axles is available from the Literature on Demand section at www.meritor.com

Issued by Product Engineering Meritor HVSA Ltd



MFS - FRONT	MERITOR / HVS AUSTRALIA S - FRONT STEER AXLE IDENTIFICATION CHART			
	Coptional fields per Customer requirements	uirements		
MFS 2? 1 ?? A A ? XX	i i)	2		
lal Knuckle le:	Option Hub / Steerin Refer to Bill of	nclude: Rod & Arms M) for correct		
N - No Brakes Composition P - 'S' Cam Brake (sequential L - 'Q' Plus Cam Brake number C - Disc Brake from database) Z - Non Mertior Disc Brake	tial designation designation ase)			
	Hub Type (see NOTE)		Steeri	Steering Arms
Axle Type	N- No Hubs		MFS73	MFS66
73 = 16,060 pounds - Nominal Axle Load Rating (GAWR)	E- 285mm 10 Stud Hub w/X30 Drum for Alum Wheels	um Wheels	H - 3133N6956	E - 3133E7545F
66 = 14,600 pounds - Nominal Axle Load Rating (GAWR)	F- 285mm 10 Stud Hub w/X30 Drum for Steel Wheels	eel Wheels	J - 3133F6922	F - 3133A7333F
1 = Straight Kingpins - Easy Steer Bushing	G- Spoke Hub		L - 3133E7623	G - 3133A8269F
22 = 69.0" King Pin Intersection & 3.5" Drop	H- Same Hub option on BOM		M - 3133X7356	K - 3133S6545F
24 = 69.0" King Pin Intersection & 5.0" Drop	J- 285mm 10 Stud Alum Hub w/Cast Drum for Alum Wheels	for Alum Wheels	N - 3133T7326	L - 3133Q6543F
MFS 73 equivalent in the US is MFS 16	K- 285mm 10 Stud Alum Hub w/X30 Drum for Alum Wheels	for Alum Wheels	P - 3133J7446 & 3133T7326	N - 3133Y6461F & 3133S6545F
MFS 66 (New Nomenclature) equivalent to FG94* & MFS 14 in US	L- 285mm 10 Stud Alum Hub w/X30 Drum for Steel Wheels	for Steel Wheels	Q - 3133J7446 & 3133E7623	R - 3133Y6811F
	P- 335 mm 10 Stud Hub/Drum for Alum Wheels	heels	R - 3133X7356	S - 3133A7359F
	Q- 335mm 10 Stud Hub/Drum for Steel Wheels	reels		T - 3133T9302F
	Y- 285mm 10 Stud Hub/Drum for Steel Wheels	seels		
	Z- 285mm 10 Stud Hub/Drum for Alum Wheels	leels		
NOTE: for Disc Brake and Hub combination		<u> Fie Rod Arms</u>		
CY= EX225 disc brake with 285mm 10 Stud Hub for Steel Wheels	MFS73		MFS66	
CZ= EX225 disc brake with 285mm 10 Stud Hub for Alum Wheels	U - 3133J8148 & 3133K8149	T - 3133D7336 & 3133E7337	& 3133E7337	
CH= DX195 disc brake with 285mm 10 Stud Hub for Alum Wheels	V - 3133L8150 & 3133M8151	U - 3133H7340 & 3133J7342	& 3133J7342	
	W - 3133N8152 & 3133P8154	V - 3133R7350 & 3133S7351	& 3133S7351	



		TMFS- FRONT		MERITOR / HVS AUSTRALIA <u>TWIN</u> STEER AXLE IDENTIFICATION CHART	ON CHART				
Base Model					tional fields per Cu	Optional fields per Customer requirements			
7? TMFS	? A	د.	ХХХ	ċ	ć	6	5		
	<u>A- Australia</u> with Brake Type:	Type:		Hub / Steering Arn	Options available include: ns 1st Axle / Tie Rod & Arms 1s	Options available include: Hub / Steering Arms 1st Axie / Tie Rod & Arms 1st Axie / Variation to 2nd	ariation to 2nd		
	N- No Brakes P- 'S' Cam Brake	es Brake		Refer to	Axle Bill of Material (BOM)	$\frac{\Delta X \mathbf{e}}{\mathbf{H} \mathbf{e} \mathbf{f} \mathbf{e} \mathbf{r} \mathbf{t} \mathbf{o} \text{ Bill of Material (BOM) for correct designation}$	ation		
Twin Meritor Front Steer Axle	L- 'Q' Plus Car C- Disc Brake Z- Non Meritor	L- 'Q' Plus Cam Brake C- Disc Brake Z- Non Meritor Disc Brake	Axle Composition (sequential number from database)						
		Ī			Hub Type (see NOTE)	IOTE)		Steerin	Steering Arms
Axle Type	/pe			No Hubs				MFS73	MFS66
73 = 16,060 pounds - Nominal Axle Load Rating (GAWR)	inal Axle Load Rating	g (GAWR)		E- 285mm 10 Stud	E- 285mm 10 Stud Hub w/X30 Drum for Alum Wheels	for Alum Wheels	H- 313	H - 3133N6956	E - 3133E7545F
66 = 14,600 pounds - Nominal Axle Load Rating (GAWR)	inal Axle Load Rating	g (GAWR)		F- 285mm 10 Stud	F- 285mm 10 Stud Hub w/X30 Drum for Steel Wheels	or Steel Wheels	J- 313	J - 3133F6922	F - 3133A7333F
MFS 73 equivalent in the US is MFS 16	e US is MFS 16			G- Spoke Hub			L- 313	L - 3133E7623	G - 3133A8269F
MFS 66 (New Nomenclature) equivalent to FG94* & MFS 14 in	re) equivalent to <u>FG</u>	<u>94*</u> & MFS 14 in		H- Same Hub option on BOM	on on BOM		M - 313	M - 3133X7356	K - 3133S6545F
		•		J- 285mm 10 Stud	Alum Hub w/Cast	J- 285mm 10 Stud Alum Hub w/Cast Drum for Alum Wheels		N - 3133T7326	L - 3133Q6543F
				K- 285mm 10 Stud	I Alum Hub w/X30 I	K- 285mm 10 Stud Alum Hub w/X30 Drum for Alum Wheels		P - 3133J7446 & 3133T7326	N - 3133Y6461F & 3133S6545F
				L- 285mm 10 Stud	Alum Hub w/X30 [L- 285mm 10 Stud Alum Hub w/X30 Drum for Steel Wheels		Q - 3133J7446 & 3133E7623	R-3133Y6811F
NOTE: for Disc Brake and Hub combination	Hub combination			P- 335 mm 10 Stuc	P- 335 mm 10 Stud Hub/Drum for Alum Wheels	m Wheels	R-313	R - 3133X7356	S - 3133A7359F
CY = EX225 disc brake with 285mm 10 Stud Hub for Steel Wheels	vith 285mm 10 Stud H	Hub for Steel Whe	els	Q- 335mm 10 Stud	Q- 335mm 10 Stud Hub/Drum for Steel Wheels	el Wheels			T - 3133T9302F
CZ= EX225 disc brake with 285mm 10 Stud Hub for Alum Wheels	vith 285mm 10 Stud H	Hub for Alum Whe	els	Y- 285mm 10 Stud	Y- 285mm 10 Stud Hub/Drum for Steel Wheels	el Wheels			
CH= DX195 disc brake with 285mm 10 Stud Hub for Alum Wheels	vith 285mm 10 Stud I	Hub for Alum Whe	els	Z- 285mm 10 Stud	Z- 285mm 10 Stud Hub/Drum for Alum Wheels Tie Rod Arms	or Alum Wheels ie Rod Arms	_		
				MFS	MFS73	MFS66			
				U - 3133J814	U - 3133J8148 & 3133K8149	T - 3133D7336 & 3133E7337	& 3133E7337		
				V - 3133L815	V - 3133L8150 & 3133M8151	U - 3133H7340 & 3133J7342	§ 3133J7342		
				W - 3133N81	W - 3133N8152 & 3133P8154	V - 3133R7350 & 3133S7351	& 3133S7351		
				X - 3133C79	X - 3133C7933 & 3133D7934	W - 3133M7345 & 3133N7346	& 3133N7346		