

BRAKE COMPLIANCE GUIDELINES

(OCTOBER 2018)

FUSO HD

Fuso New Zealand confirms that the following FUSO HD trucks sold new in New Zealand will continue to meet the specified brake standard within the allowed wheelbase range and tyre size stipulated below. Please note the following limitations:

- Trailer brake valves of rigid trucks are located at the 2nd crossmember and shall not be repositioned in case of the wheelbase modification.
- The trailer brake valve for FV54SJ tractor is located at the rear of the chassis and shall not be repositioned when doing a wheelbase modification.

FACTORY MODEL CODE	LOCAL MODEL CODE	BRAKE STANDARD	WHEELBASE (MM) (first axle to centreline of rear axle/s)		TYRE SIZE		APPLICATION
			STANDARD	MODIFICATION RANGE	STANDARD RANGE	MODIFICATION RANGE	
FP54SG	FP1641, FP410G	ADR35/01	3800	N/A	295/80R22.5 11R22.5 - 275/70R22.5	295/80R22.5 - 275/70R22.5	Rigid & Tractor
FV51SK	FV2541, FV2547, FV410K, FV470K		4300	4300 - 6380			
FV54SK	FV2447, FV470K		6380				
FV54ST	FV2441, FV410T		3860	3860 - 4640			
FV54SJ	FV2447, FV470J		5870	5870			
FS52SS	FS3141, FS3147, FS410S, FS470S		5900	N/A			
FS54SS	FS3147, FS470S						



Ian Porter
Product Planning Manager
Fuso New Zealand Limited

NZ SERVICE BRAKE OUTPUT DATA

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[Calculation Condition]
 - Service Brake Air Pressure: 8 kgf/cm²
 - Service Brake Actual Efficiency: 0.7
 [Service Brake Power Data]

This information is applicable for
 FUSO HD trucks sold in New Zealand

FACTORY MODEL CODE		FP54SGR	FV54SJ	FV51SK, FV54SK, FV54ST			FS52SS, FS54SS		
LOCAL MODEL CODE		FP1641, FP410G	FV2447, FV470J	FV2547, FV2447, FV2541, FV470K, FV410K, FV410T			FS3147, FS3141, FS470S, FS410S		
EMISSION STANDARD		EURO 5							
AXLE FORMULA		4x2	6x4	6x4			8x4		
GVW (KG)		16500	24000	24000 /25400			30800		
Service Brake Air Pressure (kgf/cm ²)		8	8	8			8		
Service Brake Actual Efficiency		0.7	0.7	0.7			0.7		
Brake Drum Dia. (mm)		410	410	410			410		
Front 1st	Service Brake Chamber Size	#20	#20	#20			#20		
	Brake Torque Coefficient (kgfm)/(kg/cm ²)	266.2	266.2	266.2			266.2		
	Tyre Size	275/70R22.5	275/70R22.5	11R22.5	295/80R22.5	275/70R22.5	11R22.5	295/80R22.5	275/70R22.5
	Tyre Dynamic Radius (m)	0.464	0.464	0.507	0.504	0.464	0.507	0.504	0.464
	Brake Power per Axle (kgf/axle)	6425	6425	5880	5915	6425	5880	5915	6425
Front 2nd	Service Brake Chamber Size	-	-	-			#20		
	Brake Torque Coefficient (kgfm)/(kg/cm ²)	-	-	-			266.2		
	Tyre Size	-	-	-			11R22.5	295/80R22.5	275/70R22.5
	Tyre Dynamic Radius (m)	-	-	-			0.507	0.504	0.464
	Brake Power per Axle (kgf/axle)	-	-	-			5880	5915	6425
Rear 1st	Service Brake Chamber Size	#24	#24	#24			#24		
	Brake Torque Coefficient (kgfm)/(kg/cm ²)	314.6	314.6	314.6			314.6		
	Tyre Size	275/70R22.5	275/70R22.5	11R22.5	11R22.5	275/70R22.5	11R22.5	11R22.5	275/70R22.5
	Tyre Dynamic Radius (m)	0.465	0.465	0.508	0.508	0.465	0.508	0.508	0.465
	Brake Power per Axle (kgf/axle)	7577	7577	6936	6936	7577	6936	6936	7577
Rear 2nd	Service Brake Chamber Size (Wheel cylinder size)	-	#24	#24			#24		
	Brake Torque Coefficient (kgfm)/(kg/cm ²)	-	314.6	314.6			314.6		
	Tyre Size	-	275/70R22.5	11R22.5	11R22.5	275/70R22.5	11R22.5	11R22.5	275/70R22.5
	Tyre Dynamic Radius (m)	-	0.465	0.508	0.508	0.465	0.508	0.508	0.465
	Brake Power per Axle (kgf/axle)	-	7577	6936	6936	7577	6936	6936	7577
Service Brake Power per Vehicle (kgf/Vehicle)		14002	21579	19752	19787	21579	25632	25702	28004
Brake Efficiency against GVW (%)		85	89	78	78	85	83	83	90



Ian Porter
 Product Planning Manager
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