

SECTION **CL**

**MODIFICATION NOTICE:**

Service data and specifications (SDS) have been changed.

**CONTENTS**

<b>SERVICE DATA AND SPECIFICATIONS (SDS) .....</b>	<b>2</b>	<b>Inspection and Adjustment .....</b>	<b>2</b>
General Specifications.....	2		

# SERVICE DATA AND SPECIFICATIONS (SDS)

## General Specifications

Engine model		KA24DE	VG33E	YD25DDTi	TD27	ZD30DDT	QD32
Transmission model		FS5W71C	FS5R30A		FS5W71C	FS5R30A	
Clutch model		240	250		240	250	
Clutch master cylinder							
Inner diameter	mm (in)	15.87 (5/8)					
Clutch operating cylinder							
Inner diameter	LHD mm (in)	17.46 (11/16)	—	19.05 (3/4)	17.46 (11/16)	19.05 (3/4)	17.46 (11/16)
	RHD mm (in)	19.05 (3/4)					
Clutch disc							
Facing size	mm (in) (Outer dia. x inner dia. x thickness)	240 x 150 x 3.5 (9.45 x 5.91 x 0.138)	250 x 160 x 3.8 (9.84 x 6.30 x 0.150)	250 x 160 x 3.5 (9.84 x 6.30 x 0.138)	240 x 160 x 3.5 (9.45 x 6.30 x 0.138)	250 x 160 x 3.5 (9.84 x 6.30 x 0.138)	250 x 160 x 3.5 (9.84 x 6.30 x 0.138)
Thickness of disc assembly		8.1 (0.319)	8.3 (0.327)	8.1 (0.319)	7.8 (0.307)	8.1 (0.319)	
With load	mm (in)	With 4,903 N (500 kg, 1,103 lb)	With 6,472 N (660 kg, 1,455 lb)	With 7,350 N (750 kg, 1,652 lb)	With 4,903 N (500 kg, 1,103 lb)	With 7,350 N (750 kg, 1,652 lb)	With 5,884 N (600 kg, 1,323 lb)
Clutch cover							
Full load	2WD N (kg, lb)	4,903 (500, 1,103)	—	7,360 (751, 1,655)	3,923 (400, 882)	—	—
	4WD N (kg, lb)	4,659 (475, 1,047)	6,472 (660, 1,455)	7,360 (751, 1,655)	—	7,360 (751, 1,655)	5,394 (550, 1,213)

## Inspection and Adjustment

Engine model		KA24DE	VG33E	YD25DDTi	TD27	ZD30DDT	QD32
Clutch model		240	250		240	250	
Clutch disc							
Wear limit of facing surface to rivet head	mm (in)	0.3 (0.012)					
Runout limit of facing	mm (in)	1.0 (0.039)		0.7 (0.028)	1.0 (0.039)	0.7 (0.028)	
Distance of runout check point (from the hub center)	mm (in)	115 (4.53)	120 (4.72)	120 (4.72)	115 (4.53)	120 (4.72)	
Maximum backlash of spline (at outer edge of disc)	mm (in)	1.0 (0.039)					
Clutch cover							
Diaphragm spring height	mm (in)	38.5 (1.516)	37.5 (1.476)	40.5 (1.594)	38.5 (1.516)	40.5 (1.594)	38.5 (1.516)
Uneven limit of diaphragm spring toe height	mm (in)	0.7 (0.028)					