

ZEXEL Ass'y No.	104701-2043
Bosch Ass'y No.	S 460 611 563
Bosch Typecode	
Engine Type	CD152-T1
Manufacturer	NISSAN
Edition date	25.03.05

1 Adjustment conditions

CAT	Designation	Unit	Set value	min.	max.	Actual values	OT
	Test oil		ISO4113orSAEJ067 d				
		1404 Test oil					
P	Test oil temperature	degC	45	45	50		
	Nozzle		105780-0060				
	Bosch type code		NP-DN(SD1510)				
	Nozzle holder		105780-2150				
P	Opening pressure	MPa	13	13	13.3		
P	Opening pressure	kgf/cm ²	133	133	136		
	Injection pipe		157805-7320				
P	Injection pipe	mm	2-6-450				
		Inside diameter - outside diameter - length (mm)					
	Joint assembly		15764-1-4720				
	Tube assembly		15764-1-4020				
P	Transfer pump pressure	kPa	20	20	20		
P	Transfer pump pressure	kgf/cm ²	0.2	0.2	0.2		
	Direction of rotation (viewed from drive side)		R				
		Right					

2 Adjustment specification

2.1 Compensation resistor, compensation voltage comparison

A.1 Compensation resistor/voltage comparison																																								
Name	Comp. resistor/voltage																																							
	<table><tr><th>A</th><th>B</th><th>RIAA/alpha U</th></tr><tr><td></td><td>1.0</td><td>V</td></tr><tr><td>1</td><td>0.15</td><td>0.008</td></tr><tr><td>2</td><td>0.30</td><td>0.008</td></tr><tr><td>3</td><td>0.45</td><td>0.004</td></tr><tr><td>4</td><td>0.60</td><td>0.008</td></tr><tr><td>5</td><td>0.90</td><td>0.001</td></tr><tr><td>6</td><td>1.10</td><td>0</td></tr><tr><td>7</td><td>1.50</td><td>-0.015</td></tr><tr><td>8</td><td>3.00</td><td>-0.009</td></tr><tr><td>9</td><td>3.30</td><td>-0.004</td></tr><tr><td>10</td><td>3.60</td><td>-0.015</td></tr><tr><td>11</td><td>5.00</td><td>-0.009</td></tr></table>	A	B	RIAA/alpha U		1.0	V	1	0.15	0.008	2	0.30	0.008	3	0.45	0.004	4	0.60	0.008	5	0.90	0.001	6	1.10	0	7	1.50	-0.015	8	3.00	-0.009	9	3.30	-0.004	10	3.60	-0.015	11	5.00	-0.009
A	B	RIAA/alpha U																																						
	1.0	V																																						
1	0.15	0.008																																						
2	0.30	0.008																																						
3	0.45	0.004																																						
4	0.60	0.008																																						
5	0.90	0.001																																						
6	1.10	0																																						
7	1.50	-0.015																																						
8	3.00	-0.009																																						
9	3.30	-0.004																																						
10	3.60	-0.015																																						
11	5.00	-0.009																																						
	Compensation resistance/compensation voltage comparison A = Compensation resistor number B = Compensation resistance C = Compensation voltage delta U alpha soil																																							

2.2 Pump chamber pressure

CAT	Designation	Unit	Set value	min.	max.	Actual values	OT
P	Pump speed	r/min	1000	1000	1000		
P	TCV duty (%) F TCV 60Hz	%	100	100	100		
P	U alpha soil	V	2.7	2.7	2.7		
S	Pump chamber pressure	kPa	617.5	588	647		
S	Pump chamber pressure	kgf/cm ²	6.3	6	6.6		
P	Basic		*				
CAT	Designation	Unit	Set value	min.	max.	Actual values	OT
P	Pump speed	r/min	100	100	100		
P	TCV duty (%) F TCV 60Hz	%	100	100	100		
P	U alpha soil	V	2.7	2.7	2.7		
C	Pump chamber pressure	kPa	294	294			
C	Pump chamber pressure	kgf/cm ²	3	3			
CAT	Designation	Unit	Set value	min.	max.	Actual values	OT
P	Pump speed	r/min	1000	1000	1000		
P	TCV duty (%) F TCV 60Hz	%	100	100	100		
P	U alpha soil	V	2.7	2.7	2.7		
C	Pump chamber pressure	kPa	618	579	657		
C	Pump chamber pressure	kgf/cm ²	6.3	5.9	6.7		
CAT	Designation	Unit	Set value	min.	max.	Actual values	OT

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Table of Contents Zexel Test Values Diesel Fuel Injection Equipment

1. Understanding the eBook Zexel Test Values Diesel Fuel Injection Equipment
 - The Rise of Digital Reading Zexel Test Values Diesel Fuel Injection Equipment
 - Advantages of eBooks Over Traditional Books
2. Identifying Zexel Test Values Diesel Fuel Injection Equipment
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Zexel Test Values Diesel Fuel Injection Equipment
 - User-Friendly Interface
4. Exploring eBook Recommendations from Zexel Test Values Diesel Fuel Injection Equipment
 - Personalized Recommendations
 - Zexel Test Values Diesel Fuel Injection Equipment User Reviews and Ratings
 - Zexel Test Values Diesel Fuel Injection Equipment and Bestseller Lists

5. Accessing Zexel Test Values Diesel Fuel Injection Equipment Free and Paid eBooks
 - Zexel Test Values Diesel Fuel Injection Equipment Public Domain eBooks
 - Zexel Test Values Diesel Fuel Injection Equipment eBook Subscription Services
 - Zexel Test Values Diesel Fuel Injection Equipment Budget-Friendly Options
6. Navigating Zexel Test Values Diesel Fuel Injection Equipment eBook Formats
 - ePub, PDF, MOBI, and More
 - Zexel Test Values Diesel Fuel Injection Equipment Compatibility with Devices
 - Zexel Test Values Diesel Fuel Injection Equipment Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Zexel Test Values Diesel Fuel Injection Equipment
 - Highlighting and Note-Taking Zexel Test Values Diesel Fuel Injection Equipment
 - Interactive Elements Zexel Test Values Diesel Fuel Injection Equipment
8. Staying Engaged with Zexel Test Values Diesel Fuel Injection Equipment
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Zexel Test Values Diesel Fuel Injection Equipment
9. Balancing eBooks and Physical Books Zexel Test Values Diesel Fuel Injection Equipment
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Zexel Test Values Diesel Fuel Injection Equipment
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Zexel Test Values Diesel Fuel Injection Equipment
 - Setting Reading Goals Zexel Test Values Diesel Fuel Injection Equipment
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Zexel Test Values Diesel Fuel Injection Equipment
 - Fact-Checking eBook Content of Zexel Test Values Diesel Fuel Injection Equipment
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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