SB4253E02 Jan. 2008

Power Train Specification System Operation Testing & Adjusting

D20S-5, D25S-5, D30S-5, D33S-5, D35C-5 G20E-5, G25E-5, G30E-5 GC20E-5, GC25E-5, GC30E-5, GC33E-5 G20P-5, G25P-5, G30P-5, G33P-5, G35C-5 GC20P-5, GC25P-5, GC30P-5, GC33P-5

Important Safety Information

Most accidents involving product operation, maintenance and repair are caused by failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing potentially hazardous situations before an accident occurs. A person must be alert to potential hazards. This person should also have the necessary training, skills and tools to perform these functions properly.

Read and understand all safety precautions and warnings before operating or performing lubrication, maintenance and repair on this product.

Basic safety precautions are listed in the "Safety" section of the Service or Technical Manual. Additional safety precautions are listed in the "Safety" section of the owner/operation/maintenance publication. Specific safety warnings for all these publications are provided in the description of operations where hazards exist. WARNING labels have also been put on the product to provide instructions and to identify specific hazards. If these hazard warnings are not heeded, bodily injury or death could occur to you or other persons. Warnings in this publication and on the product labels are identified by the following symbol.



Improper operation, lubrication, maintenance or repair of this product can be dangerous and could result in injury or death.

Do not operate or perform any lubrication, maintenance or repair on this product, until you have read and understood the operation, lubrication, maintenance and repair information.

Operations that may cause product damage are identified by NOTICE labels on the product and in this publication.

DOOSAN cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are therefore not all inclusive. If a tool, procedure, work method or operating technique not specifically recommended by DOOSAN is used, you must satisfy yourself that it is safe for you and others. You should also ensure that the product will not be damaged or made unsafe by the operation, lubrication, maintenance or repair procedures you choose.

The information, specifications, and illustrations in this publication are on the basis of information available at the time it was written. The specifications, torques, pressures, measurements, adjustments, illustrations, and other items can change at any time. These changes can affect the service given to the product. Obtain the complete and most current information before starting any job. DOOSAN dealers have the most current information available.

Index

Specification

Torque Converter	5
Forward and Reverse Control Group	5
Transmission Solenoid	5
Forward / Reverse Clutch Elements	6
Valve Block Elements	7
Valve Spring in Transmission Bearing Plate	8
Tightening Torques	9
Transmission	9
Final Drives and Wheels	11
Drive Tire Installation	12
Drive Wheel Installation	13
Drive Axle Mounting Group	14

Testing and Adjusting

Troubleshooting	38
Transmission Pressure Test	44
Converter Stall Test	46
Maintenance	48
Electric Control System Tests	50
Inching Pedal Adjustment	56
Adjustments on Drive axle	58

System Operation

General Information	15
Torque Converter	16
Transmission	17
Transmission Control Valve	31
Drive Axle	35

Full download: http://manua	p		power want specific	, ,	<i>U</i> 3
		page(s) at: Manu	IDI		