

## 1996 and Later ABS Diagnostic Trouble Code Chart

DTC	Fault text	Note
ABS-411	Inlet valve LH front wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-412	Outlet valve LH front wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-413	Inlet valve RH front wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-414	Outlet valve HR front wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-421	Inlet valve rear wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-422	Outlet valve rear wheel, fault in valve terminal circuit	Switches on ABS warning light Switches on TRACS warning light
ABS-423	Inlet valve TRACS, fault in valve terminal circuit	Cars with TRACS only
ABS-431	Control module - general hardware fault	Switches on ABS warning light Switches on TRACS warning light
ABS-432	Control module - general interference fault	Switches on ABS warning light Switches on TRACS warning light
ABS-433	Battery voltage too high	Switches on ABS warning light Switches on TRACS warning light
ABS-441	Main control module relay	Switches on ABS warning light Switches on TRACS warning light
ABS-442	Control module - creeping powers	Switches on ABS warning light Switches on TRACS warning light
ABS-443	Pump motor electrical or mechanical fault	Switches on ABS warning light Switches on TRACS warning light
ABS-444	Control module - valve reference power	Switches on ABS warning light Switches on TRACS warning light
ABS-445	Control module - general valve fault	Switches on ABS warning light Switches on TRACS warning light

# Ford Ranger Abs Fault Codes

**Frederick S. Fisher, Kathleen M.  
Johnson**



## **Ford Ranger Abs Fault Codes:**

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*Advanced Automotive Fault Diagnosis* Tom Denton,2012-09-10 This textbook will help you learn all the skills you need to pass Level 3 and 4 Vehicle Maintenance and Repair courses from City and Guilds IMI and BTEC and is also ideal for higher level ASE AUR and other qualifications Advanced Automotive Fault Diagnosis covers the fundamentals of vehicle systems and components and explains the latest diagnostic techniques employed in effective vehicle maintenance and repair Diagnostics or fault finding is an essential part of an automotive technician s work and as automotive systems become increasingly complex there is a greater need for good diagnostics skills For students new to the subject this book will help to develop these skills but will also assist experienced technicians in further improving their performance and keeping up with recent industry developments In full colour and including examples of the latest technology this is the guide that no student enrolled on an automotive maintenance and repair course should be without Also by Tom Denton Automobile Mechanical and Electrical Systems Tom Denton ISBN 978 0 08 096945 9 Automobile Electrical and Electronic Systems Fourth Edition Tom Denton ISBN 978 0 08 096942 8     Shop Manual ,2000     *Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems* Owen C. Duffy,Gus Wright,2015-07-13 Based on the 2014 National Automotive Technicians Education Foundation NATEF Medium Heavy Truck Tasks Lists and ASE Certification Test Series for truck and bus specialists Fundamentals of Medium Heavy Duty Commercial Vehicle Systems is designed to address these and other international training standards The text offers comprehensive coverage of every NATEF task with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking Fundamentals of Medium Heavy Duty Commercial Vehicle Systems describes safe and effective diagnostic repair and maintenance procedures for today s medium and heavy vehicle chassis systems including the most current relevant and practical coverage of Automated transmissions Braking system technology used in vehicle stability collision avoidance and new stopping distance standards Hybrid drive powertrains Advanced battery technologies On board vehicle networks and integrated chassis electr     **Popular Science** ,2004-09 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better     **Federal Register** ,1991-04     **Edmund's 1996 New Trucks** Edmunds Publications,Edmund's,1997 Standard

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example 1 a student drives his car 60 km north before making a right hand turn and driving 60 km to the east finally the student makes a left hand turn and travels another 20 km to the north

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