NORTH DAKOTA STATE COLLEGE OF SCIENCE

John Deere Tech

Dealer and Student Information

NDSCS

NDSCS.edu/JohnDeere

CONTENTS

John Deere Tech is a two-year program leading to an Associate of Applied Science Degree. It is sponsored by the John Deere Company and John Deere dealers and is operated by North Dakota State College of Science in Wahpeton, North Dakota. The purpose of this program is to upgrade the technical competency and professional development of incoming John Deere Dealer Service Technicians.

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JOHN DEERE

The material in this packet is intended solely for information purposes. The North Dakota State College of Science reserves the right to make changes in curricula, rules and fees whenever such changes are deemed necessary. The announcements in this material are subject to change without notice and may not be regarded as binding obligations on the institution or the state of North Dakota.

The North Dakota State College of Science is accredited by The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604, 800-621-7440.

PARTICIPANT RESPONSIBILITIES

The John Deere Tech Program is a partnership between the John Deere Company, North Dakota State College of Science, participating John Deere dealerships and participating students. Each has the following responsibilities in this partnership:

NORTH DAKOTA STATE COLLEGE OF SCIENCE

- Maintain a current curriculum approved by John Deere.
- Provide classroom and laboratory facilities.
- Provide teacher-coordinator and instructors; the teacher-coordinator acts as a liaison between NDSCS and John Deere representatives.
- Provide equipment and tools.
- Promote, advertise and recruit qualified students.
- Test, interview and screen students.
- Assist dealers with student selection.
- Maintain all student records.
- Provide academic, financial aid, and counseling services and advisement.
- Visit students during supervised occupational work experiences to assure attainment of work experience competencies.
- Furnish program information to dealers, students and the general public when requested.
- Provide an Associate of Applied Science Degree in John Deere Tech.

JOHN DEERE COMPANY

- Encourage dealer cooperation and support.
- Provide training for the teacher-coordinator and instructors on John Deere equipment and consumer products.
- Furnish NDSCS with John Deere materials for training (service manuals, including computer service reference, technical publications, etc.).
- Furnish NDSCS with John Deere equipment for training (equipment components, essential tools and complete equipment machinery).
- Participate in student selection process.
- Participate in the coordinator-teacher and instructor selection process.
- Monitor the John Deere program at NDSCS to assure success.

JOHN DEERE DEALERSHIP

- Interview and select a student to sponsor.
- Appoint an in-dealership coordinator or supervisor to work with NDSCS's teacher-coordinator in planning and monitoring the supervised occupational work experiences.
- Pay trainee's wages, commensurate with experience, during periods of supervised occupational work experiences.
- Provide the sponsored student with uniforms in a manner consistent with other dealership employees. Students will wear uniforms (shirt and pants) at both school and work.
- Provide work experience that will increase the students skill level.
- Provide student ID and password to use with JD Pathways.

STUDENT

- Demonstrate high school graduate or equivalent.
- Apply for admission to NDSCS.
- Obtain and maintain a John Deere dealership sponsor.
- Complete entrance tests (ACT and DAT) and personal interview as required by the program coordinator.
- Maintain NDSCS and John Deere academic standards and adhere to academic policies.
- Wear John Deere uniforms and safety glasses while on campus and during supervised occupational work experiences at the sponsoring dealership.
- Participate in all learning activities and experiences at the scheduled times.
- Provide the sponsoring dealership with responsible and productive employment.
- Pay for program costs - tuition, fees, books and tools. Tools are required prior to the first supervised occupational experience. To meet this requirement, tools are available for purchasing at an approximate cost of $4,700 at the NDSCS Bookstore on the day of John Deere Orientation.

INTRODUCTION

The John Deere Tech program is an Associate of Applied Science degree (A.A.S.) that is designed to develop technically competent, professional John Deere equipment service technicians. The John Deere Company sponsors the program, and North Dakota State College of Science, Wahpeton, administers and operates the program.

Students receive state-of-the-art technical training on John Deere equipment and related products through a combination of classroom instruction, hands-on laboratory instruction, and supervised occupational work experience at a John Deere dealership.

The John Deere Tech program takes six semesters or approximately 24 months to complete. The six semesters are divided into 10 terms, each approximately eight weeks in length. Students complete the 2nd, 3rd, 4th, 6th, 7th, 9th and 10th terms on campus. They complete the 1st, 5th and 8th terms at a sponsoring John Deere dealership.

Classroom and laboratory instruction at NDSCS covers the basics of each subject plus the latest developments in John Deere equipment. Work experience at the dealership is structured to relate to the most recent classroom subjects covered at NDSCS and includes projects to improve the student's skill level.

Students are required to obtain a sponsor from an authorized John Deere dealership. Students can request assistance in locating a sponsoring dealer, and dealers can request assistance in locating a student to sponsor.

Dealers are responsible for providing students with employment and challenging repair projects during the work experience periods. Students are responsible for tuition, fees, textbook and tool costs.

JOHN DEERE TECH PROGRAM (24 months) (AAS Degree)

CURRICULA (FIRST YEAR)

		AAS Credits
SUMMER SEMESTER		
(1st Term) 6 weeks June-July		
JDAT 105	Supervised Occupational Experience I	2
FALL SEMESTER		**Credits**
(2nd Term) 1st 8 weeks mid-August thru mid-October		
JDAT 106	John Deere Time Service Management	2
JDAT 165	Introduction to John Deere Hydraulic Systems	4
MATH 120	Basic Mathematics I	2
(3rd Term) 2nd 8 weeks mid-October thru mid-December		
DTEC 115	Introduction to Light and Medium Duty Engines	4
JDAT 155	Introduction to Electrical/Electronics	4
FYE 101	Science of Success	1
ENGL 105	Technical Communications	3
SPRING SEMESTER		**Credits**
(4th Term) 3rd 8 weeks mid-January thru mid-March		
JDAT 215	John Deere Engine Rebuild	6
BADM 240	Sales	3
MATH 123	Basic Mathematics II	2
(5th Term) 4th 8 weeks mid-March thru mid-May		
JDAT 110	Supervised Occupational Experience II	5

Class schedule may change without notice.

CURRICULA (SECOND YEAR)

		AAS Credits
SUMMER SEMESTER		
(6th Term) 6 weeks June-July		
JDAT 225	John Deere Powertrains	7
HPER	Elective	2
FALL SEMESTER		**Credits**
(7th Term) 1st 8 weeks mid-August thru mid-October		
JDAT 255	John Deere Electrical/Electronics	5
JDAT 116	John Deere Equipment Operation and Adjustment	4
MATH 125	Basic Mathematics III	2
(8th Term) 2nd 8 weeks mid-October thru mid-December		
JDAT 114	Supervised Occupational Experience III	5
SPRING SEMESTER		**Credits**
(9th Term) 3rd 8 weeks mid-January thru mid-March		
DTEC 109	Air Conditioning for Diesel Technology	2
MFGT 110	Industrial Shop Practices	2
CIS 101	Computer Literacy	2
PSYC 100	Human Relations in Organizations	2
(10th Term) 4th 8 weeks mid-March thru mid-May		
ENGL 110	College Composition I	3
JDAT 265	John Deere Tractor Hydraulic Systems Diagnosis	5
JDAT 260	Introduction to Ag Management Solutions (AMS)	3

COURSE DESCRIPTIONS

DTEC 109 Air Conditioning for Diesel Technology (2 credits)
A lecture, discussion and lab-type course covering the design and principles of operations of various air conditioning systems, including agriculture, construction and trucking equipment. Work in lab consists of leak detecting, evacuation, reclaiming, charging, component comprehension, electrical systems and troubleshooting for various units. (F, S)

DTEC 115 Introduction to Light and Medium Duty Engines (4)
A theory and lab course covering rebuilding of heavy duty gas and light- and medium-duty diesel engines. Students will troubleshoot, disassemble, rebuild and assemble an engine during this class. Learning modules include: measurement fundamentals, basic engine operating principals, cylinder and piston service, cylinder head rebuilding and valve reconditioning, crankshaft and bearing service, and lubrication and cooling systems. Engines designed for the use of alternative fuels such as LPG and CNG are also covered. This class is a prerequisite for DTEC 215, CIH 215 and JDAT 215.

JDAT 105 Supervised Occupational Experience I (2)
The student will receive on-the-job experience at a John Deere dealership prior to the first-semester, on-campus classes. This will mainly consist of shadowing personnel in the three areas of the service department. Two weeks will be spent in the set-up area, two weeks in the combine area and two weeks in the tractor area. This work experience will be supervised by the NDSCS John Deere Tech coordinator. (Su)

JDAT 106 John Deere Time Service Management (2)
This course covers operational policies followed by the dealership service department. Included will be discussion on time service management, publications, tech manuals, DTAC and service advisor.

JDAT 110 Supervised Occupational Experience II (5)
The student will receive on-the-job experience in a John Deere dealership. This will allow the student to practice and utilize the skills and knowledge learned during the previous on-campus instructional period. This work experience will be supervised by the NDSCS John Deere Tech coordinator. (S)

JDAT 114 Supervised Occupational Experience III (5)
The student will receive on-the-job experience in a John Deere dealership. This will allow the student to practice and utilize the skills and knowledge learned during the previous on-campus instructional period. This work experience will be supervised by the NDSCS John Deere Tech coordinator. (F)

JDAT 116 John Deere Equipment Operation and Adjustment (4)
This course will cover the operation and adjustment of various types of John Deere equipment. Students will operate and field adjust this equipment for optimum performance.

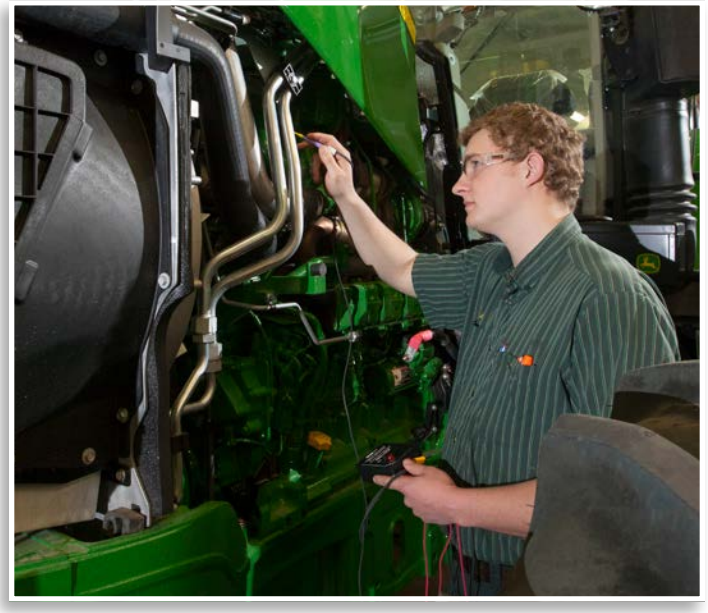
JDAT 155 Introduction to Electrical/Electronics (4)
A lab/lecture demonstration and performance type of course, which covers the principles of electricity. These types of learning styles will be applied to electrical circuits, batteries, starters and alternators. It will include Ohm's Law, schematic reading, test instruments, starter testing and repair and alternator testing and repair. Applications and testing of solid state devices will be covered in this course. The student will have hands on approach to learning electrical fundamentals as well as repairing and troubleshooting electrical problems on John Deere equipment. This class is a prerequisite for JDAT 255.

JDAT 165 Introduction to John Deere Hydraulic Systems (4)
This course is a study of hydraulic system fundamentals and various components used in a typical John Deere hydraulic system. Disassembly and reassembly of John Deere components will take place to aid in the understanding of component and system operation. Various John Deere components will be bench tested to help the student understand how the components contribute to the overall operation of the system and will be used to evaluate the students' performance. Experiments will be performed on lab equipment to aid in the understanding of basic hydraulic principles. Online delivery methods from John Deere Company along with table exercises and/or machine tests will be utilized to prepare student for John Deere University Hydraulic Systems Certification. This class is a prerequisite for JDAT 265.

JDAT 215 John Deere Engine Rebuild (6)
A lab/lecture course covering diesel engines used in John Deere equipment. Students will disassemble, reassemble, adjust and test these engines. The proper use of technical manuals will be stressed. Prerequisite: DTEC 115.

JDAT 225 John Deere Powertrains (7)
A lab/lecture course covering the power train used in John Deere tractors. Students will disassemble, reassemble, adjust and test these components. Proper use of technical manuals will be stressed.

JDAT 255 John Deere Electrical/Electronics (5)
A lab/lecture course covering electrical and electronic fundamentals applied to John Deere equipment. This course includes the study of Ohm's Law and series and parallel circuits. The proper use of digital multimeters and other testing equipment also will be covered. Techniques of circuit diagnosis will be demonstrated with electrical schematics. The function, operation and testing of semiconductors and transistors are covered. Microprocessor operation, including inputs and outputs, are explained and studied. Tractor circuits including lighting, accessory, safety, instrumentation and gauges are tested. Electronic monitoring systems for planting and harvesting equipment are covered. Prerequisite: JDAT 155.



JDAT 260 Introduction to Ag Management Solutions (AMS) (3)
A lab/lecture course designed to introduce the students to John Deere's Ag Management Solution systems (AMS). Basic GPS equipment guidance systems operation and diagnostics will be utilized. Types of GPS signals and their applications currently used by John Deere Company will be covered. AMS display set-up and application usage on current John Deere equipment will be performed. Prerequisite: JDAT 255.
JDAT 265 John Deere Tractor Hydraulic Systems Diagnosis (5)
A lab/lecture course covering the operation, testing, diagnosis, and repair of the hydraulic systems found on John Deere utility, row-crop and four-wheel-drive tractors. Prerequisite: JDAT 165.

MFGT 110 Industrial Shop Practices (2)
An introduction to the procedures and practices used to develop fundamental industrial shop skills. Students enrolled in this class will learn and apply a variety of practical skills used to aid in any entry level industrial mechanical service occupation. The topics covered in this course are: general shop safety; MIG welding set-up and operation as well as welding simulation; Oxy-Fuel torch set-up and operation; basic measuring methods using tape measures, rulers, calipers, and micrometers; identification of SAE and ISO metric measuring systems; proper use and identification of basic shop tools; identification of twist drills and sharpening; identification and use of hand taps; fastener type and grade identification; Helicoil insert use; bolt extraction; properly demonstrate the use of mechanical type torque wrenches; properly demonstrate the use of electronic type torque wrenches; properly demonstrate the ability to torque according to industry standards.

BADM 240 Sales (3)
A basic course in the principles and psychology of selling with an emphasis on techniques and human relations in the selling situation. The steps of a sale including feature-benefit analysis, handling objections, and closing the sale are included. Students participate in exploring product knowledge, understanding and analyzing the consumer, and investigating the competition using experiential exercises. (F, S, O)

ENGL 105 Technical Communications (3)
This course concentrates on business correspondence, informal report writing, technical communication, job preparation, and oral presentation. Prerequisite: Placement test. (F, S, Su-Online)

ENGL 110 College Composition I (3)
An introduction to college-level writing as a process of drafting, revising and editing. This course emphasizes critical reading, writing, thinking and research skills as students write for a variety of audiences and purposes. Students will receive guided instruction in the writing process as they begin writing based on personal experiences. An introduction to proper crediting of source material and research will occur toward the end of the course. Prerequisite: Placement test. (F, S, Su, O) ND:ENGL

MATH 120 Basic Mathematics I (2)
A review of whole numbers, fractions and decimal numbers in A review of whole numbers, fractions and decimal numbers in conjunction with the fundamental application of ratios, rates, unit rates, proportions, and percentages in solving everyday problems. The application of business and consumer mathematics such as simple interest, compound interest, and purchasing. (F, S)

MATH 123 Basic Mathematics II (2)
This course introduces statistical data reading and calculating. Problem solving applications involving U.S. and Metric measurements. Application of direct measurement, perimeter, area, volume, and fundamental geometry. (F, S)

MATH 125 Basic Mathematics III (2)
Basic concepts and features of beginning algebra with emphasis on critical thinking and problem solving. Topics include properties of real and rational numbers, arithmetic operations of numbers and expressions, translating verbal expressions to variable expressions, formula manipulations and application of word problems. (F, S)

CIS 101 Computer Literacy (2)
This course is designed to provide non-Computer Science majors with an introductory-level course in computer usage that prepares them for contemporary work environments. It is a hands-on lab-based course intended to introduce the student to the Windows operating system, Word, Excel and PowerPoint. Windows PC required. (Credit awarded for CIS 101 or CSCI 116, not both.) (F, S, Su, O) ND:COMPSC

PSYC 100 Human Relations in Organizations (2)
This course focuses on building successful and effective interpersonal relationships within organizational and other social environments. It includes an examination of human relations in business and industry with emphasis on how people can work effectively in groups to satisfy both organizational and personal goals. Motivation, emotional and mental health, communication techniques, and coping with stress are explored. Activities are used to encourage the application of concepts to enhance personal growth and insight and to increase social skills. (F, S, Su-as needed, O) ND:SS

FYE 101 Science of Success (1)
This is a practical one-credit course that provides the tools and skills necessary to get a strong start with the transition for new students at NDSCS. This course will introduce students to campus resources, policies and procedures and cover topics such as time management, study skills, goal setting, wellness, financial literacy and professional development. (F, S, O)

HPER Electives
(See *NDSCS Catalog* for details)

STUDENT ADMISSION AND SELECTION PROCEDURE

Students enroll in the John Deere Tech program at the beginning of summer semester. Students are accepted into the program upon completion of admission into NDSCS. Students should do the following:

Apply for admission to NDSCS through the Enrollment Services office. Enrollment Services will not accept faxed applications for any program.

- Submit high school transcripts or GED to Enrollment Services.
- ACT minimum test score of 15 in reading and English.
- Visit NDSCS and complete orientation (testing, academic advising and scheduling, and registration).
- Secure approval from a John Deere sponsor.

ADMISSIONS

Students should contact the NDCS Enrollment Services office (701-671-2173) to receive information on the college, financial aid and housing. Students should complete the applications and return them to NDSCS promptly. Assessment tests will be required prior to admission into the John Deere program.

HIGH SCHOOL OR GED TRANSCRIPTS

Applicants must demonstrate completion of high school or GED equivalency. Students should contact their high school guidance office and request that their transcript be submitted to NDSCS Enrollment Services.

ORIENTATION

All freshmen must complete an orientation. Once a student is admitted to NDSCS, Enrollment Services will schedule orientation for the student. Orientation includes a tour of the NDSCS campus, financial aid counseling, scheduling (academic advising) and registration.

SPONSOR APPROVAL

Applicants must complete an interview with and secure approval of a sponsor. The applicant is responsible for obtaining a sponsor. Applicants should take the Dealer Approval Form to a potential sponsor. Complete the approval form and return it to Enrollment Services if it is determined that the dealer will grant sponsorship. If the dealer decides not to grant sponsorship, then the student should contact the NDSCS coordinator for assistance in securing a sponsor.

SCHOLARSHIP AVAILABILITY

A general scholarship application must be completed to be eligible for scholarships.

CONTACT INFORMATION

Dealers and students should direct all inquiries to the following contact persons.

NORTH DAKOTA STATE COLLEGE OF SCIENCE PRIMARY CONTACTS:

Tyler Slettedahl
Program Coordinator
John Deere Tech
701-671-2726
800-342-4325 ext. 3-2726
Tyler.Slettedahl@ndscs.edu

Terry Marohl
Department Chair
Diesel Technology
701-671-2308
Terry.Marohl@ndscs.edu

Jenny Schmitt
Program Assistant
Diesel Technology
701-671-2330
Jenny.Schmitt@ndscs.edu

ELIGIBLE DEALER LOCATIONS

John Deere agricultural equipment dealers located in the following states are eligible to sponsor students at NDSCS and anywhere in the U.S. if spots are open.

Students should contact a local John Deere dealer to see if the dealer is interested in sponsoring a student. They can contact the NDSCS coordinator for a list of approved John Deere dealers.

- Idaho
- Minnesota
- Montana
- North Dakota
- Oregon
- South Dakota
- Utah
- Washington
- Wisconsin
- Wyoming

FINDING A SPONSOR

Note: You may speak to any dealership at any time about the John Deere Tech Program. You are accepted into the program only after official acceptance occurs, after all assessments, applications and dealer sponsorship forms have been approved by the North Dakota State College of Science and John Deere.

KEY POINTS TO REMEMBER:

- John Deere dealerships are independent businesses. They are not employees of John Deere.
- When looking for a sponsor, you are looking for a JOB – act and dress accordingly.
- North Dakota State College of Science and the John Deere Tech Coordinator will provide assistance and guidance and identify interested dealerships.
- We do not assign you a dealership.
- As a John Deere Tech student you will be an employee and a student, although the two should never conflict.
- Some dealerships may choose not to participate.
- The dealership may choose to formally interview you as a candidate for the John Deere Tech Program.
- Be prepared:
  - Be neat and clean in appearance.
  - Be confident of your goals and skills.
  - Complete your part of the John Deere Tech application as neatly as possible before the interview.
- Your first priority should be convincing the dealer that you will make a good employee.
- You may speak to the dealer (owner), general manager or service manager.
- If you are not sure whom to see, ask for the dealer first, then the service manager.

If you are sure that you want to be in the John Deere Tech Program, be confident and get busy right now. Don't be discouraged if your first attempt doesn't land you a sponsor!

SPONSOR APPROVAL OF STUDENT

DIRECTIONS TO THE STUDENT

Fill in your name and address in the lines below. Then, take this Sponsor Approval Form to the John Deere dealer for approval of the sponsorship.

Student's Name _____

Street Address _____

City, State, Zip _____

Phone _____

DIRECTIONS TO THE DEALER

_____ I agree to provide sponsorship for the above student in the John Deere Tech Program at NDSCS.

Dealership _____

Street Address _____

City, State, Zip _____

Phone _____

Authorizing Representative _____

Date _____

STUDENT RELEASE OF INFORMATION FORM

I hereby grant permission to North Dakota State College of Science to share my high school transcripts, pre-admission test results, interview data, and college grades and progress reports with the sponsoring dealership and the John Deere Company.

Student Signature _____

Street Address _____

City, State, Zip _____

Date _____

Return this completed form to:
NDSCS Enrollment Services
800 Sixth St. N.
Wahpeton, ND 58076-0002

CORRESPONDENCE

All correspondence should be directed to the following address:

John Deere Tech Program
Enrollment Services
North Dakota State College of Science
800 Sixth St. N.
Wahpeton, ND 58076

COLLEGE EXPENSES

Contact the Director of Enrollment Services for tuition costs. Out-of-state students in a partnership program will pay the in-state tuition rate. The exception is Minnesota students who pay the agreed-to reciprocity rate.

NOTE: All tuition, fees, room and board costs are tentative and are subject to change. Personal costs are rough estimates of personal spending. Contact the NDSCS Enrollment Services office for a current information sheet.

STUDENT TOOL LIST

Students are responsible for purchasing or providing their own tools. Below is a list of required tools for the program. These tools can be purchased from NDSCS at a substantial discount through the Bookstore.

QTY	DESCRIPTION	CATALOG #	VENDOR
1	Classic 7-drawer 40" Red	KRA4107FPBO	Snap-on
1	3/8" Dr, Adaptor Set, Comb. Drive, 6 pc.	1206GS	Snap-on
1	1/4" Dr, General Serv, Fractional/Metric, 44 pc., 6 pt.	144TMPB	Snap-on
1	3/8" Dr.,Torx®, Standard, T27 to T55 Plus GM-Style T47 (7 pcs.)	207EFTXY	Snap-on
1	Set, Socket, Deep, 12 pt. 11 pc. 1/4"-7/8"	211SFY	Snap-on
1	3/8" Dr., Metric Socket Set, Shallow, 12 pc., 12 pt.	212FMY	Snap-on
1	3/8" Dr. Metric Deepwell Socket Set (8mm-19mm)	212SFSMY	Snap-on
1	Set, General Service, 12 pt. (18 pc.) (Tools Only)	218AFP	Snap-on
1	1/2" Dr, Metric Socket Set, Shallow, 12 pt.	313SWMYA	Snap-on
1	1/2" Dr, General Service Set, 17 pc., 6 pt.	317MSPC	Snap-on
1	Stainless Wire Brush	AC59C	Snap-on
1	1/4 Npt F Coupler Auto Type	AHC24D	Snap-on
4	Air Line Adaptor, Male	AHC24MD	Snap-on
1	Hex Wrench Set, Silver, L-Shape, 15 pc.	AW1015DK	Snap-on
1	Hex Metric Wrench Set, Gold, L-Shape, 14 pc.	AWM140DK	Snap-on
1	Pliers, Adjustable Joint, Straight Serrated Jaws 12-3/4	AWP120	Snap-on
1	Curved Locking Jaw Pliers	BLP10	Snap-on
1	Hammer, Ball Peen 16 oz. Fiberglass	BPN16B	Snap-on
1	0-1" Micrometer	CNT3M101	Snap-on
1	Carbon Scraper, Rigid, Black, 14"	CSA14C	Snap-on
1	Feeler Gauge, Bent Blade, 25 Blades	FB300A	Snap-on
1	Feeler Gauge, U.S./Metric, 25 Blades	FB325A	Snap-on
1	Air Chuck, Dual Foot, 6-1/2"	GA356B	Snap-on
1	Set Dial Test Indicator, Long Range	GA3645	Snap-on
1	Black Frame Safety Glasses	GLASS31BK	Snap-on
1	Hammer, Dead Blow 48 oz.	HBFE48	Snap-on
1	B.P. Hammer, Hand Drilling, Fiberglass Handle 4 lb.	HD4SG	Snap-on
1	Tapered Rubber Tip Blow Gun, 4-1/2" Long	JT13B	Snap-on
1	Nylon Strap Oil Filter Wrench	KDT3149	Snap-on
1	5/16" Comb. Wrench, Std Length, 12 pt.	OEX10B	Snap-on
1	Comb. Wrench Set, 14 pc., 12 pt.	OEX714KB	Snap-on
1	Metric Wrench, Comb., Short, 6mm, 12 pt.	OEXM6B	Snap-on
1	Metric Wrench Set, Comb., 10 pc., 12 pt.	OEXM710B	Snap-on
1	Metric Wrench, Comb., Short, 7mm, 12 pt.	OEXM7B	Snap-on
1	Metric Wrench, Comb., Short, 8mm, 12 pt.	OEXM8B	Snap-on
1	Metric Wrench, Comb., Short, 9mm, 12 pt.	OEXM9B	Snap-on
1	Prybar Set (4 Pcs.)	PBS704	Snap-on
1	Pen Tire Pressure Gauge, 10 to 150 Psi	PGPL150	Snap-on
1	Putty Knife Scraper, Red 1-1/4"	PK53A	Snap-on
1	3 pc. Pliers Set	PL307ACF	Snap-on
1	Dial Caliper 0"-6" Range	PMF147A	Snap-on
1	Bronze Drift Punch 13/16" pt., 8"	PPB826A	Snap-on

QTY	DESCRIPTION	CATALOG #	VENDOR
1	Race Punch, Oval Bearing 20"	PPC20LB	Snap-on
1	Punch & Chisel Set, 11 pc.	PPC710BK	Snap-on
1	Wire Stripper, Cutter, Crimper/Bolt Cutter	PWC9	Snap-on
1	Telescoping Magnet Pick Up Tool	PT5C	Snap-on
1	Telescoping Round Pocket Mirror	PTM143	Snap-on
1	Wire Stripper, Cutter, Crimper/Bolt Cutter	PWC9	Snap-on
1	Torque Wrench, Adj. Click Type, Flex Head, 5-75 ft./lb., 3/8" Dr.	QD2FR75B	Snap-on
1	Socket, Spark Plug, Shallow, 13/16", 6 pt.	S9704KA	Snap-on
1	Socket, Spark Plug, Shallow, 5/8", 6 pt.	S9706KA	Snap-on
1	Screwdriver Flat Tip, Pocket, Orange, .025" Tip, 4-3/4"	SDD224O	Snap-on
1	Instinct AWL	SG7ASABR	Snap-on
1	Mini Pick Set, Pastic Handle, Black, 4 pc.	SGASA204CR	Snap-on
1	8 pc. Screwdriver Set, Red, Soft	SGDX80BR	Snap-on
1	1/4" Driver, Long Shank 5-3/4"	SGT4BR	Snap-on
1	Striking Prybar 4 pc. Set Orange	SPBS704AO	Snap-on
1	Snap Ring Pliers, Angle Jaws 8-7/8" Long	SRP2B	Snap-on
1	Snap Ring Pliers, Angle Jaws 14" Long	SRP4	Snap-on
1	Pliers, Retaining Ring 7-7/16"	SRPC7000	Snap-on
1	Metric, Shallow, 10mm, 12 pt.	SWM101A	Snap-on
1	Metric, Shallow, 11mm, 12 pt.	SWM111A	Snap-on
1	Metric, Shallow, 25mm, 12 pt.	SWM251	Snap-on
1	Metric, Shallow, 26mm, 12 pt.	SWM261	Snap-on
1	Metric, Shallow, 27mm, 12 pt.	SWM271	Snap-on
1	Torqometer, Basic 3/8" Dr. 300 lb.	TE25A	Snap-on
1	Torque Wrench, Adj. Click Type, U.S., Flex-Ratchet, 40-250 ft./lb., 1/2" Dr.	TQFR250E	Snap-on
1	Socket, Shallow 1-1/4" 12 pt.	TW401	Snap-on
1	Brush, Wire, Brass, Miniature, 2"	WBBS2	Snap-on
1	Ear Protector	YA160A	Snap-on
1	Soapstone Marker	YA247-2	Snap-on
1	Welding Gloves	YA427B	Snap-on
1	Oil Filter Slip Joint Pliers	YA4274A	Snap-on
1	Oil Filter Pliers	YA4275	Snap-on
1	Lifting Brackets	7100U1	Otc
1	Measuring Tape, U.S./Metric	33-215	Stanley
1	Fluke Multimeter 87-V	2074974	Fluke
1	Cut 1 Dipped Gloves SML-2xl (Sized)	48-22-8903	Milwaukee
1	4' Endless Sling	EN1801TX4	Tuff-Edge
1	Hole Gauge .300-.400"	CEN-4313	Central Tools
1	HD Orange Nitrile PF Ind Gloves Box/100 (Sized)	GWGN46100	Gloveworks
1	Mini Led 2-Cell AAA Red Flashlight	SP32036	Maglite
1	Deutsch Removal Tool Set	588U	Thexton

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