

BASIC COMMERCIAL TIRE SERVICE

TIA's Basic CTS is designed for new hires and fulfills the mandatory employee training requirements established by Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.177. Upon completion of the program thru TIA's Online University or an instructor-led class, students will receive a Certificate of Completion.

Following is an outline of the 15 modules covered in the course:

MODULE 1: Introduction – Personal protective equipment (PPE), lifting safety, hypothermia and heat stroke prevention.

MODULE 2: Tires – Construction, sizing, sidewall information, federal load requirements, application and tread design, tread depth measurement and inflation pressure.

MODULE 3: Rims, Wheels & Hubs – Rim/wheel identification, rim dimensions, valve stems, offset, outset, inset, dual spacing, disc wheel identification, demountable rim and cast spoke wheel identification, hub/drum identification.

MODULE 4: OSHA Regulations – Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.177 and the accompanying OSHA wall chart booklet.

MODULE 5: Jacking & Lifting, Lock-Out/Tag-Out – Jack & jack stand identification, OSHA lifting requirements, jack & jack stand inspection, lock-out/tag-out procedures, vehicle lifting procedures.

MODULE 6: Wheel End Safety – Wheel end inspection, tire fire identification and safety procedures, wheel-off prevention.

MODULE 7: RIST – Remove, Inspect, Snug, Torque procedure for installing truck tire and wheel/rim assemblies with the correct amount of torque and clamping force.

MODULE 8: Hub-Pilot Service – Removal and RIST installation procedure for hub-piloted wheel systems.

MODULE 9: Stud-Pilot Service – Removal and RIST installation procedure for stud-piloted wheel systems.

MODULE 10: Demountable Rim Service – Removal and RIST installation procedure, including alignment, for demountable rim and cast spoke wheel systems.

MODULE 11: Single Piece Demount & Mount – Step-by-step procedures for demounting and mounting tubeless truck tires with tire irons and tire changing machines on 19.5-inch and 22.5-inch disc wheels including wide base rims.

MODULE 12: Single Piece Inflation – Heat damage to disc wheel and zipper rupture inspection/identification, safety procedures and guidelines for seating the beads and inflating tubeless radial truck tires on single piece rims.

MODULE 13: Multi-Piece Demount & Mount – Step-by-step procedures for demounting and mounting tube-type tires on 2-piece and 3-piece multi-piece rims.

MODULE 14: Multi-Piece Inflation – Safety guidelines for seating multi-piece rim components and tube-type beads, multi-piece tube-type inflation procedures.

MODULE 15: Repair – Puncture repair guidelines for truck tires, step-by-step two-piece puncture repair procedures.



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www.tireindustry.org/training



BASIC COMMERCIAL TIRE SERVICE (CTS) TRAINING PROGRAM ORDER FORM



To receive your Basic CTS Training materials, please complete and return this form with payment to Tire Industry Association (TIA). Incomplete forms will not be processed. Materials and billing will be mailed to the address listed below.

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Sold as a Set – comes with one Student Workbook

Student Workbooks:	1-10	11-25	26-50	51-99	100+
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Additional Tests: \$20 Member \$40 Non-member

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