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Troubleshooting Guide For Semiautomatic Welding Equipment 44.....SECTION 9 PARTS LIST 46.....Page 5som_2010037NOTICE Indicates statements not related to personal injury.SHOCK, MOVING PARTS, and HOT PARTS hazards. Consult sym-able or accidental contact with the workpiece or ground. For theseD Always verify the supply ground check and be sure that inputD When making input connections, attach proper grounding conduc-D Keep cords dry, free of oil and grease, and protected from hot metalPage 6D If inside, ventilate the area and/or use local forced ventilation at theD Do not weld in locations near degreasing, cleaning, or spraying op-cadmium plated steel, unless the coating is removed from the weldD Wear an approved welding helmet fitted with a proper shade of sparks, explosion, overheating, or fire. Check and be sure the area isD Be aware that welding on a ceiling, floor, bulkhead, or partition canD After completion of work, inspect area to ensure it is free of sparks, D Follow requirements in OSHA 1910.252 (a) (2) (iv) and NFPA 51B Install cylinders in an upright position by securing to a stationaryD Never weld on a pressurized cylinder explosion will resultD Use the right equipment, correct procedures, and sufficient num-Page 7D Do not overload building wiring be sure power supply system isD Use equipment of adequate capacity to lift andD Keep equipment (cables and cords) away from moving vehiclesD Follow the guidelines in the Applications Manual for the RevisedNIOSH Lifting Equation (Publication No. 94110) when manu-so, Page 8the state of California to cause cancer, birth defects, or otherSafety in Welding, Cutting, and Allied Processes, ANSI Standard Z49.1, and Cutting, American Welding Society Standard AWS F4.1, from Glob-National Electrical Code, NFPA Standard 70, from National Fire Protec-tion Association, Quincy, MA 02269 (phone: 1-800-344-3555, website-Safe Handling of Compressed Gases in Cylinders, CGA Pamphlet P-1 (Chantilly, VA 20151 (phone: 703-788-2700, website-www.cganet.com).Safe Practice For Occupational And Educational Eye And Face Protec-25 West 43rd Street, New York, NY 10036 (phone: 212-642-4900, web-intention of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954Applications Manual for the Revised NIOSH Lifting Equation, The Na-device manufacturer before over- performing or going near arc welding, spotPage 9SECTION 2 CONSIGNES DE SECURIT LIRE AVANT UTILISATIONfre_som_2010037DANGER! Indique une situation dangereuse qui si onNOTE Indique des déclarations pas en relation avec des blessureshumide ou si lon porte des vêtements mouillés ; sur des structuresou comme assise, genoux ou couche ; ou sil y a un risquel'utilisation du poste soudre DC fil tension constante est re-D Couper l'alimentation ou arrêter le moteur avant de procéder lin-D Installer le poste correctement et le mettre la terre convenable-teur de mise la terre approprié et contre-vrifier les connexions.D Porter un harnais de scurit si lon doit travailler au-dessus du sol.D Sassurer que tous les panneaux et couvercles sont correctementPage 10D Ne pas toucher aux pièces chaudes, utiliser les outils recommandD Travailler dans un espace ferm seulement sil est bien ventilé ouen portant un respirateur alimentation fait. Demander toujours D Dplacer toutes les substances inflammables une distance deD Surveiller tout déclenchement dincedie et tenir un extincteur D Le soudage effectué sur un plafond, plancher, paroi ou sparationD Brancher le cble de masse sur la pice le plus prs possible de lad En cas de non utilisation, enlever la baguette dlectrode du porte-D Une fois le travail achevé, assurezvous quil ne reste aucuneD Utiliser exclusivement des fusibles ou coupe-circuits appropriés. D Une fois le travail achevé, assurezvous quil ne reste aucuneD Utiliser exclusivement des fusibles ou coupe-circuits appropriés. Page 11D Ne jamais placer une torche de soudage sur une bouteille gaz. D Une lectrode de soudage ne doit jamais entrer en contact avecD Ne jamais souder une bouteille pressurise risque d'explosion. D Utiliser seulement des bouteilles de gaz propreur, rgulateurs.2-3. Dangers supplémentaires en relation avec l'installation, le fonctionnement et la maintenanceD Ne pas surcharger l'installation lectrique assurez queD Les tincelles risquent de causer un incendie loigner toute subPage 12D Lorsque cela est ncessaire pour des travaux dentretien et deD Veiller souder une distance de 100 mtres de tout quipe-D En cas d'interférences aprs avoir pris les mesures prden-Page 13Safety in Welding, Cutting, and Allied Processes, ANSI Standard Z49.1, and Cutting, American Welding Society Standard AWS F4.1, de GlobaNational Electrical Code, NFPA Standard 70, de National Fire Protec-Internet : www.nfpa.org et www.sparky.org).Safe Handling of Compressed Gases in Cylinders, CGA Pamphlet P-1,Safe Practice For Occupational And Educational Eye And Face Protec-rgionauxz49.1 de la rgion 5, Chicago, est 312-353-2220, sitePage 14We help you to find your user manual. Manuals.ca ensures that you will find the manual you are looking for in no time. Our database contains more than 1,000,000 PDF user manuals from more than 10,000 brands. Every day we add the latest user manuals so that you will always find the product you are looking for. It's very simple: just type the brand name and the type of product in the search bar and you can instantly view the user manual of your choice online for free. Copyright 2025 Manuals.ca. All Rights Reserved. Page 15. A complete Parts List is available at www.MillerWelds.comXVGunGunU0Rated Output Max. Open CircuitVoltageAmps Input at Rated Output (60% Duty Cycle), 60 Hz, Single-Phase200 (208) V 230 V 460 V 575 V KVA KW250 A at 28 VDC,40% Duty Cycle200 A at 28 VDC,60% Duty Cycle38 482.3*462*231*180.8*9.80*467*7.50.13*Wire Type and Diameter Wire Feed Speed Dimensions Net Weight Without GunSolid Steel Stainless Steel Flux Core 50700 IPM(1.317.8 mm/min)H: 30 in. (762 mm)W: 19 in. (483 mm)D: 40 in. (1016 mm)205 lb(93 kg).023 .045 in.(0.6 1.2 mm).023 .045 in.(0.6 1.2 mm).030 .045 in.(0.8 1.2 mm)* While idling/Operating Temperature Range 20C to +40C Storage Temperature Range -30C to +50CPage 16. A complete Parts List is available at www.MillerWelds.comFailure to follow these electrical service guide recommendations could create an electric shock or fire hazard. These recommenda-123496(29)127(39)156(47)206(63)209(64)41 If a circuit breaker is used in place of a fuse, choose a circuit breaker with time-current curves comparable to the recommended fuse.3 Normal Operating (general purpose - no intentional delay) fuses are UL class K5 (up to and including 60 amps), and UL class H (65 amps and4 Conductor data in this section specifies conductor size (excluding flexible cord or cable) between the panelboard and the equipment per NEC Table310.16. If a flexible cord or cable is used, minimum conductor size may increase. See NEC Table 400.5(A) for flexible cord and cable requirements.Page 23. A complete Parts List is available at www.MillerWelds.comThe serial number and rating information for this product is located on back. Use rating label to determine input power requirements and/or rated output.L1L221316L1L254789Page 24We help you to find your user manual. Manuals.ca ensures that you will find the manual you are looking for in no time. Our database contains more than 1,000,000 PDF user manuals from more than 10,000 brands. Every day we add the latest user manuals so that you will always find the product you are looking for. It's very simple: just type the brand name and the type of product in the search bar and you can instantly view the user manual of your choice online for free. Copyright 2025 Manuals.ca. All Rights Reserved. Page 25We help you to find your user manual. Manuals.ca ensures that you will find the manual you are looking for in no time. Our database contains more than 1,000,000 PDF user manuals from more than 10,000 brands. Every day we add the latest user manuals so that you will always find the product you are looking for. It's very simple: just type the brand name and the type of product in the search bar and you can instantly view the user manual of your choice online for free. Copyright 2025 Manuals.ca. All Rights Reserved. Page 26We help you to find your user manual. Manuals.ca ensures that you will find the manual you are looking for in no time. Our database contains more than 1,000,000 PDF user manuals from more than 10,000 brands. Every day we add the latest user manuals so that you will always find the product you are looking for. It's very simple: just type the brand name and the type of product in the search bar and you can instantly view the user manual of your choice online for free. Copyright 2025 Manuals.ca. All Rights Reserved. Page 27Please note that these settings may vary depending on the specific application, joint type, and welding technique. Its always recommended to consult the user manual or reach out to Miller Electric for precise settings for your welding project. Ensure that your welding gun is properly connected: Make sure that the welding gun is properly connected to the Millermatic 252 and that the contact tip is securely in place. Check your wire spool: Before beginning your welding project, check that your wire spool is properly installed and that the wire is feeding smoothly through the gun. Ensure that the spool tension is properly adjusted to avoid any wire feed issues. Check your gas supply: Ensure that your gas supply is properly connected and that the gas flow rate is set to the recommended level for your welding project. Adjust your settings based on the material thickness: Use the material thickness setting on the Millermatic 252 to adjust the welding parameters based on the thickness of the material being welded. Common mistakes to avoid when setting up your Millermatic 252 include: Incorrectly setting the wire speed, voltage, or gas flow rate: Failing to use the appropriate settings can result in poor weld quality and may damage your welding equipment. Neglecting to properly connect the welding gun: This can result in poor wire feeding and may lead to welding defects. Failing to adjust the material thickness setting: Using the wrong setting can result in under-penetration or over-penetration of the weld. Practice proper welding techniques: Proper welding technique, including maintaining a consistent travel speed and angle, can greatly impact the quality of your welds. Use the appropriate wire type for your project: Different types of wire are designed for different types of welding projects. Be sure to use the appropriate wire for your project to achieve the best results. Ensure proper joint preparation: Proper joint preparation, including cleaning and beveling, can greatly impact the strength and quality of your welds. By following these tips and tricks, you can ensure that you are properly setting up your Millermatic 252 for your welding project and achieving the best possible results. The Millermatic 252 has a maximum amperage output of 250 amps. Yes, the Millermatic 252 can be used for aluminum welding with the appropriate settings and equipment. The recommended gas flow rate for the Millermatic 252 is between 20 and 40 cubic feet per hour (CFH). The best way to determine if your voltage and wire speed settings are correct is to perform a test weld on a scrap piece of material before starting your welding project. Yes, the Millermatic 252 is primarily a MIG welding machine and can be used for a variety of MIG welding projects. We have discussed the importance of having the correct settings for your Millermatic 252 when welding. We covered the different settings, including wire speed, voltage, gas flow, and material thickness, and provided guidelines for adjusting these settings for optimal welding results. Additionally, we provided tips and tricks for setting up your Millermatic 252 and avoiding common mistakes that can negatively impact your welding. By following these guidelines and practicing with your Millermatic 252, you can achieve the best possible welding results. Related Topics:

Millermatic 252 welding settings. Millermatic 252 stainless steel settings. Millermatic 252 aluminum spool gun settings. Millermatic 252 settings chart pdf. Millermatic 252 settings chart mig welder. Millermatic 252 flux core settings. Millermatic 252 welder settings. Millermatic 252 settings chart. Millermatic 252 settings for 1/4 steel. Millermatic 252 settings for 1 4 steel. Millermatic 252 aluminum settings.