



- ARIENS
- (EN) Operator's Manual
- (CZ) Návod k obsluze
- (DE) Betriebsanleitung
- (DK) Instruktionsbog
- (ES) Lea el Manual del operador
- (FI) Käyttäjän käsikirja
- (FR) Manuel de l'opérateur
- (IT) Manuale d'uso
- (NL) Gebruikershandleiding
- (NO) Brukerhåndbok
- (PL) Instrukcja obsługi
- (PT) Manual do Operador
- (RU) Руководство оператора
- (SK) Návod na obsluhu
- (SV) Instruktionsbok
- (TR) Kullanıcı Kılavuzu

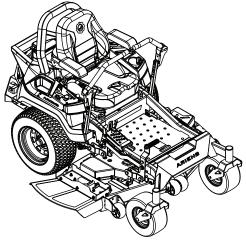
Models

991324 – Apex 48 Side Discharge (SN A0401429 +)

991325 – Apex 48 Rear Discharge (SN A0401429 +)

991326 – Apex 52 Side Discharge (SN A0401098 +)

991327 – Apex 52 Rear Discharge (SN A0401155 +)





366068600_Rev F



Manufacturer:

Ariens Company Ltd.

Address:

Ariens Company Limited,

Great Haseley, Oxford

OX44 7PF

United Kingdom



EC DECLARATION OF CONFORMITY ISSUED BY THE MANUFACTURER - ES PROHLÁŠENÍ O SHODĚ, VYDANÉ VÝROBCEM – VOM HERSTELLER HERAUSGEGEBENE EGKONFORM-ITÄTSERKLÄRUNG- OVERENSSTEMMELSESCERTIFIKAT FOR MODELLER. UDSTEDT AF FABRIKANTEN – DECLARACIÓN DE CONFORMIDAD CE EMITIDA POR EL FABRICANTE – TOOTJA VÄLJASTATUD EC-VASTAVUSDEKLARATSIOON – VALMISTAJAN ANTAMA EY-VAATIMUSTENMUKAISUUSVAKUUTUS – DÉCLARATION DE CONFORMITÉ CE ÉMISE PAR LE FABRICANT – EZ IZJAVA O SUKLADNOSTI KOJU DAJE PROIZVOĐAČ – DICHIARAZIONE DI CONFORMITÀ CE DEL PRODOTTO RILA SCIATA DAL PRODUTTORE - EK GAMINTOJO ATITIKTIES DEKLARACIJA – EK ATBILSTĪBAS DEKLARĀCIJA, KURU IZDOD RAŽOTĀJS – EG- CONFORMITEITSVERKLARING, UITGEGEVEN DOOR DE FABRIKANT – EF-SAMSVARSERKLÆRING FRA PRODUSENTEN – DEKLARACJA ZGODNOOECI Z PRZEPISAMI EC WYDANA PRZEZ PRODUCENTA - CERTIFICADO DE CONFORMIDADE DO MODELO EMITIDO PELO FABRICANTE - СОСТАВЛЕННОЕ ПРОИЗВОДИТЕЛЕМ ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ СТАНДАРТАМ И НОРМАМ EC – ES-IZJAVA O SKLADNOSTI, KI JO JE IZDAL PROIZVAJALEC – ES VYHLÁSENIE O ZHODE, VYDANÉ VÝROBCOM – EG-DEKLARATIONEN OM ÖVERENSSTÄMMELSE UTFÄRDAD AV TILLVERKAREN – ÜRETİCİ TARAFINDAN DÜZENLENEN EC UYGUNLUK BEYANI

We the undersigned, AriensCo, certify that: My, nížepodepsaní, AriensCo, prohlašujeme, že: Der Unterzeichnete, AriensCo, bescheinigt, dass: Undertegnede, AriensCo, attesterer, at: Nosotros, los abajo firmantes, AriensCo, certificamos que: Meie, allakirjutanud, ETTEVÕTE ARIENS, kinnitame, et: Allekirjoittanut, AriensCo, vakuuttaa, että: Nous, soussignés AriensCo, certifions que: Mi, dolje potpisani, AriensCo, potvrđujemo da: La sottoscritta società AriensCo certifica che: Mes, žemiau pasirašiusieji, "ARIENS" kompanija, patvirtiname, jog: Mēs, zemāk parakstījušies, AriensCo, apliecinām, ka: Wij, de ondergetekenden, AriensCo, verklaren dat: Undertegnede, AriensCo, bekrefter at: My, nižej podpisani, AriensCo, oświadczamy, że: Nós, abaixo assinados, certificamos em nome da AriensCo, que: Мы (фирма ARIENS), нижеподписавшиеся, настоящим заявляем, что: Spodaj podpisani AriensCo olarak tasdik

Туре: Тур: Тур: Туре: Тіро: Tüüp: Tyyppi: Type: Тіро: Type: Тір: Туре: Тірs: Тур: Tipas: Тіро: Тип: Тір: Тур: Тур: Тір: Riding Rotary Lawn Mower – Samojízdná Sekačka – Aufsitz-Sichelmäher – Havetraktor med roterende knive – Tractor cortacésped giratorio – Rootor-murutraktor – Puutarhatraktori Pyörivällä Leikkuuyksiköllä – Tondeuse à gazon autoportée rotative – Samohodna rotaciona kosilica za travu – Trattorino con unità di taglio rotativa – Savaeigė žoliapjovė – Braucošais rotējošais zāles pļāvējs – Rijdende roterende grasmaaier – Plentraktor med rotorklipper – Samobieżna rotacyjna kosiarka trawnikowa – Tractor cortador de relva – езда Косилка роторная – Sedežna vrtljiva kosilnica – Jazdecké rotačná kosačka na trávu – Sittrotorgräsklippare – Döner biçme makinesi sürme

5 11		3	
Trade Name: Obchodní název: Handelsbezeichnung: Firmanavn: Nombre comercial: Kaubamärk: Kauppanimi: Appellation commerciale: Trgovački naziv: Nome commerciale: Prekės pavadinimas: Komerciālais nosaukums: Handelsnaam: Handelsnavn: Nazwa handlowa: Nome da Marca: Название фирмы: Trgovsko ime: Názov výrobku: Handelsbeteckning: Ticaret Unvan:		Arie	ns
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	915341	99131	8 991326
Seerianumber: Malli, mallin nimi, sarjanumero: Modèle, nom du modèle, numéro de série: Model,	915334	99132	20 991327
Naziv modela, Serijski broj: Modello, Nome modello, Numero di serie: Modelis, Modelio pavadini- mas, Serijos numeris: Modelis, Modela nosaukums, Sērijas numurs: Model, Model Naam, Vol-	991313	99132	991323
gnummer: Modell, modellnavn, serienummer: Model, nazwa modelu, numer servjny: Modelo, Nome	991314	99132	915338
do Modelo, Número de Série: Модель, наименование модели, серийный номер: Model, Ime	991315	99132	915342
modela, Serijska številka: Model, názov modelu, výrobné číslo: Modell, modellnamn, serienummer: Model, Model Adı, Seri Numarası:	991316	99132	915343
Cutting Width: Pracovní záběr: Schnittbreite: Klippebredde: Anchura de corte: Lõikelaius:	915340:	106.7 cm	991317: 122 cm
Leikkuuleveys: Largeur de coupe: Širina reza: Pjovimo plotis: Larghezza: Griešanas platums:	915342:	106.7cm	915338: 86.4 cm
Maaibreedte: Atbilst: Klippebredde: Szerokość cięcia: Largura de corte: Ширина скашивания:	991316:	122 cm	915339: 106.7 cm
Širna košnje: Šírka kosenia: Klippbredd: Kesme Genişliği:	915334:	132 cm	991322: 152.4 cm
	915341:	132 cm	991323: 152.4 cm
	915343:	132cm	991324: 122cm
	991318:	132 cm	991325: 122cm
	991313:	132 cm	991326: 132 cm
	991315:	132 cm	991327: 132 cm
	991314:	152.4 cm	
Conforms to: Odpovídá normě: mit den Anforderungen der folgenden Richtlinien übereinstimmt: Er i d Cumple con: Vastab: Täyttää seuraavat vaatimukset: Est conforme à: U sukladnosti s: È conforme a: samsvar med: Jest zgodny z: De acordo com: Соответствует: v skladu z: Je v zhode s: Överensstär 2006/42/EC, 2014/30/EU, 2011/65/EU - 2015/863/EU, 2000/14/EC, Annex VI - 2005/88/EC	Atitinka: \	Voldoet aan: Ei	

EN ISO 5395-1: 2013 + A1: 2018, EN ISO 5395-3: 2013 + A1: 2017 + A2: 2018

EN ISO 14982: 2009, EN ISO 3744:2010, EN IEC 63000:2018

Notified Body – Pověřená osoba – Benachrichtigte Körperschaft – Bemyndiget organ – Organismo notificado – Teavitatud asutus – Entité notifiée – Organisme notifié – Obaviješteno tijelo – Organismo notificato – Registruota instancija –Pieteiktā iestāde – Aangemelde instantie – Teknisk kontrollorgan – Organ zaświadczający – Organismo Certificador – Уполномоченным органом – Priglašeni organ – Notifikovaný Orgán – Anmält organ – Onaylanmış Kuruluş Notified Body 00905 Intertek Deutschland GmbH Stangenstr. 1 70771 Leinfelden-Echterdingen Germany

Representative Measured Sound Power Level $(L_{wa}) -$ Representativní hodnota změřené hladiny akustického výkonu $(L_{wa}) -$ Repräsentativer gemessener Geräuschpegel $(L_{wa}) -$ Näitlik mõõdetud helivõimsuse tase $(L_{wa}) -$ Repræsentativt, måltstøjeffektniveau $(L_{wa}) -$ Nivel de potencia acústicarepresentativo medido $(L_{wa}) -$ Tyypillinen mitattu äänitehotaso $(L_{wa}) -$ Niveau de puissance acoustique représentatif mesuré $(L_{wa}) -$ Reprezentativna izmjerena razina snage zvuka $(L_{wa}) -$ Livello di potenza sonora rappresentativo rilevato $(L_{wa}) -$ Reprezentatīvais izmērītais skaņas jaudas līmenis $(L_{wa}) -$ Būdingas išmatuotas garso galios lygis $(L_{wa}) -$ Representatiefgemeten geluidsniveau $(L_{wa}) -$ Representativt målt lydeffektnivå $(L_{wa}) -$ Zmierzony reprezentatywny poziom mocy akustycznej $(L_{wa}) -$ Nível de Potência de Som Medido Representativo $(L_{wa}) -$ - Penpeseнтативный измеренный уровень звуковоймощности $(Lwa) -$ Tipična izmerjena raven zvočne moči $(L_{wa}) -$ Charakteristická zmeraná hladina akustického výkonu $(L_{wa}) -$ Representativ uppmätt ljudnivå $(L_{wa}) -$ Örnek Ölçülmüş Ses GüçSeviyesi (L_{wa}) 915340: 99 dBa991313: 104 dBa991314: 104 dBa915334: 104 dBa991316: 104 dBa915338: 99 dBa91339: 99 dBa915339: 99 dBa91322: 104 dBa			hladii (L _{wa}) acúst (L _{wa}) garar di po lygis Gega geluid Gwar – Nív Fapa Zajar raver výko Edilm 91534 91533 91534	ny akustického – Garanteret st tica garantizado – Taattu äänitei nti (L _{wa}) – Zajam tenza sonora ga (L _{wa}) – Garantē arandeerd dsniveau (L _{wa}) –	výkonu (L _{wa}) – Тає øjeffektnive $(L_{wa}) - Тає hotaso (Lwa) – Тає hotaso (Lwa) arantito (Lwa) - Garantert zentatywny de Som Me poвень зву Lwa) – Zaruč hterad uppn viyesi (Lwa) 991313: 991315: 991316: 915339: 991324:$	a) – Garantier au (L _{wa}) – Ni gatud mõõde) – Niveau de a snage zvuk) – Garantuo jaudas līmer lydeffektnivå / poziom moo dido Garantio иковой мощн čená hladina	tud helivõimsuse e puissance acou a (L _{wa}) – Livello tas garso galios nis (L _{wa}) – (L _{wa}) – cy akustycznej (L do (L _{wa}) – юсти (L _{wa}) – аkustického	tase stique wa) dBa dBa dBa dBa dBa
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Martin Green 915339: 11.8 @ 2600 Martin Green Lurolink Europe Compliance Limited Dublin D02 AY86 Ireland Authorized is file / Uprávněný vytvořit Valová kole Pooblaščenec za pripravo tehničke dokumentacij / Autoriser til a produsere den technicke j dokumentacij / Qprávnený na zostavenie súboru technicke j dokumentacij / Oprávněný vytvořit								
		2	5.03.2022					

Darren Spencer Vice President EMEA and Asia AriensCo Great Haseley Oxford OX44 7PF United Kingdom

yers $\widehat{}$

Signature – Podpis – Unterschrift– Underskrift Firma – Allkiri – Allekirjoitus – Signature – Potpis – Firma – Parašas – Paraksts – Handtekening – Signatur – Podpis – Assinatura – Подпись – Podpis – Namnteckning – Imza 25.03.2022

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ARIENS CO

Manufacturer:

Ariens Company Ltd. Address: Ariens Company Limited, Great Haseley, Oxford OX44 7PF United Kingdom

UK DECLARATION OF CONFORMITY ISSUED BY THE MANUFACTURER

We the undersigned, AriensCo, certify that:

Type: Riding Rotary Lawn Mower

Trade Name: Ariens

Model, Model Name, Serial Number:

915336 ARIENS IKON XD FR651 42 DECK 915335 ARIENS IKON XD FR691 52 DECK 991312 ARIENS APEX KAW FR691 52" DECK 991315 ARIENS APEX KAW FR691 52" DECK 991316 ARIENS APEX KAW FR691 48" DECK 991317 ARIENS APEX KAW FR691 48" RD DECK 991324 ARIENS APEX KAW 48" SIDE DISCHARGE 991325 ARIENS APEX KAW 48" REAR DISCHARGE 991326 ARIENS APEX KAW 52" SIDE DISCHARGE 991327 ARIENS APEX KAW 52" REAR DISHARGE 991314 ARIENS ZENITH KAW FX730 60" DECK 991320 ARIENS ZENITH KAW FX730 52" SD DECK 991321 ARIENS ZENITH KAW FX730 52" RD DECK 991322 ARIENS ZENITH KAW FX730 60" SD DECK 991323 ARIENS ZENITH KAW FX730 60" RD DECK 915338 ARIENS EDGE 34" DECK 915339 ARIENS EDGE 42" DECK 915340 ARIENS IKON XD FR651 42 DECK

Cutting Width:

915336: 106.7 cm	991316: 122 cm	991324 : 122 cm	991314: 152.4 cm	991323 : 152.4 cm	915338: 86.4 cm
915335: 132 cm	991317: 122 cm	991325 : 122 cm	991320 : 132 cm		915339: 106.7 cm
991312: 132 cm	991318: 132 cm	991326 : 132 cm	991321 : 132 cm		915340: 106.7 cm
991315: 132 cm	991322: 152.4 cm	991327 : 132 cm	991322 : 152.4 cm		915341: 132 cm

Conforms to:

Supply of Machinery (Safety) Regulations 2008 (SI2008/1597), Electromagnetic Compatibility Regulations 2016 (SI 2016/1091), The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI 2012/3032), Noise Emission in the Environment by Equipment for Use Outdoors Regulations 2001 BS EN ISO 5395-1: 2013 + A1: 2018, BS EN ISO 5395-3: 2013 + A1: 2017 + A2: 2018 BS EN ISO 14982: 2009, BS EN ISO 3744:2010, BS EN IEC 63000:2018

Notified Body:

Intertek Research & Performance Testing, Davy Avenue, Knowlhill, Milton Keynes MK5 8NL

Representative Measur	ed Sound Power Level (L _{wa})	Guaranteed Sound	d Power Level (L _{wa})	
915336: 99 dB _A	991316: 104 dBA	991314: 104 dBA	991314: 105 dB _A	991316: 105 dB _A	915336: 100 dB _A
915335: 104 dB₄	991317: 104 dBA	915338: 99 dBA	915335: 105 dBA	991317: 105 dBA	915338: 100 dBA
991312: 104 dB₄	991318: 104 dBA	915339: 99 dB₄	991312: 105 dBA	991318: 105 dBA	915339: 100 dBA
991315: 104 dB₄	991322: 104 dBA	991321: 104 dBA	991315: 105 dBA	991322: 105 dBA	
915340: 100 dBA	991320: 104 dBA		915340: 100 dBA	991320: 105 dBA	
915341: 105 dBA	991321: 104 dB _A		915341: 105 dBA	991321: 105 dBA	
			991324: 105 dBA	991323: 105 dBA	
			991325: 105 dBA		
			991326: 105 dBA		
			991327: 105 dB _A		
Engine Power (Kw @ R	DM).				
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			-	-	15.5 @ 3250
				_	14.7 @ 2850
					14.7 @ 2850
		991316. 14	4.7 @ 2850 991320 : [•]	16.2 @3100	
Darren Spencer Vice President EM AriensCo Great Haseley Oxford OX44 7PF United Kingdom	EA and Asia	ŢŹ	- Jeres	Date: 15.12.202	1

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WELCOME

Congratulations on your purchase and welcome to the Ariens family! Every machine in the Ariens lineup is designed for long-lasting and unsurpassed performance. We are confident your machine will be part of your family for many years to come.

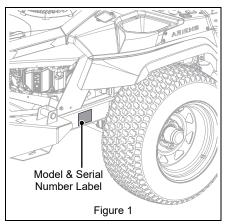
Have Questions or Need Assistance? www.ariens.com/en-eu

A parts manual for your unit is available for free download or purchase at www.ariens.com/en-eu.

REGISTER YOUR PRODUCT!

It is extremely important to register your product at time of purchase. Product registration activates the warranty and establishes a communication link from AriensCo.

Locate the model and serial number decal on your unit and register those numbers online at www.ariens.com/en-eu. See Figure 1 for decal location. Be aware that the original selling dealer may have already completed product registration on behalf of the original purchaser.



Record model number here.

Record serial number here.

MANUALS

Before operating or servicing the unit, carefully and completely read the manuals provided with the unit. They contain safety instructions and important information about unit controls.

The engine on this unit is covered by a separate manual. Refer to the engine manual for engine service recommendations. Contact the engine manufacturer for a replacement manual if necessary.

Your dealer must review important information in this manual with you before or upon delivery of the unit. It is your responsibility to read and understand all safety precautions and instructions in the manuals. If you do not understand or have difficulty following the instructions, contact your Ariens dealer for assistance. To locate your nearest Ariens dealer, go to www.ariens.com/en-eu.

DISCLAIMER

Ariens reserves the right to discontinue, make changes to, and add improvements upon its products at any time without public notice or obligation. The descriptions and specifications contained in this manual were in effect at printing. Equipment described in this manual may be optional. Some illustrations may not be applicable to your unit.

SAFETY

Read these safety rules and follow them closely. Failure to follow these rules could lead to loss of control of unit, severe personal injury or death to you or bystanders, or result in damage to property or the machine.

PRACTICES & LAWS

Practice usual and customary safe working precautions. Learn applicable rules and laws in your area. Always follow the practices set forth in this manual.

REQUIRED OPERATOR TRAINING



Read and understand the Operator's Manual and decals on the unit. This information is for your safety and the proper use of your equipment. Failure to follow these

instructions and warnings may cause death or serious injury. If you have purchased this product from an Ariens dealer, the dealer can provide you with training.

Familiarize yourself and any other operators with all controls and the safe use of the features of this unit. If you loan, rent or sell this product to others, provide them with all manuals.

If you have any questions, please call our customer support line at +44 1844 278800 or contact us at www.ariens.com/en-eu. Do not use this equipment if, after reading the Operator's Manual and the on-board decals, you have any questions about the safe use of this product.



WARNING: AVOID INJURY. This cutting machine is capable of amputating body parts and throwing objects. Failure to observe the safety instructions in the manuals and on decals could result in serious injury or death.

ALWAYS disengage blades, stop unit and engine, remove key, set parking brake and allow moving parts to stop before leaving operator's position.

SAFETY ALERT SYMBOL



- This is the safety alert symbol. It means:
 - ATTENTION!
 - YOUR SAFETY IS
 INVOLVED!

When you see this symbol:

- BECOME ALERT!
- OBEY THE MESSAGE!

SIGNAL WORDS

The safety alert symbol above and signal words below are used on decals and in this manual. Read and understand all safety messages.

1. Danger



DANGER: Indicates an IMMINENTLY HAZARDOUS SITUATION! If not avoided, WILL RESULT in death or serious injury.

2. Warning



WARNING: Indicates a POTENTIALLY HAZARDOUS SITUATION! If not avoided, COULD RESULT in death or serious injury.

3. Caution



CAUTION: Indicates a POTENTIALLY HAZARDOUS SITUATION! If not avoided, MAY RESULT in minor or moderate injury. It may also be used to alert against unsafe practices.

4. Notice

NOTICE: Indicates information or procedures that are considered important but not hazard related. If not avoided property damage could result.

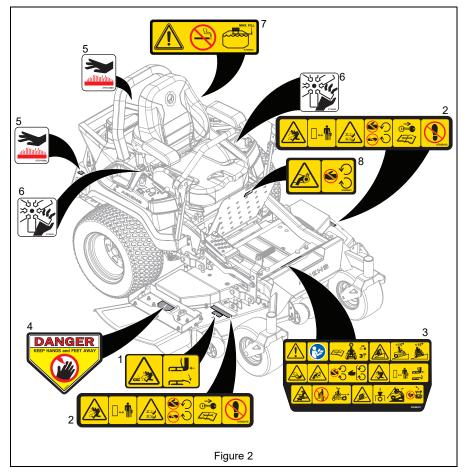
5. Important

IMPORTANT: Indicates general reference information worthy of special attention.

SAFETY DECALS

The safety decals on your machine are visual reminders of the important safety information in this manual. All messages on your unit must be fully understood and carefully followed. Safety decals on the machine are explained below. ALWAYS replace missing or damaged safety decals. Replacement decal part numbers are found in the parts manual for your machine and may be ordered from your dealer. See Figure 2 for safety decal locations.

Safety Decal Locations



Safety Decal Descriptions

1. DANGER!



Discharge Hazard -NEVER operate unit without discharge chute in operating position. Thrown objects can cause injury or damage.

DO ur op ba

DO NOT operate mower unless all guards are in operating position or bagger is attached.

2. DANGER!



Discharge Hazard - NEVER direct discharge toward people, pets or property. Thrown objects can acause injury or damage.



Amputation Hazard -NEVER stick hands or feet under deck or shielded areas.



Shut off engine, remove key, and read manual before servicing or making adjustments to unit.



Keep children and others away from unit while unit is in operation.



Keep feet and hands away from all rotating or moving parts.



DO NOT step or stand in this area.

3. DANGER!



Read and understand the operator's manual before operating unit.

3. Amputation Hazard



To avoid amputation hazard DO NOT put hands near rotating blades.



To avoid amputation hazard DO NOT put hands near moving belts.



Keep hands away from all rotating or moving parts.



Keep all guards and shields in place.

3. Discharge Hazard



Discharge Hazard - NEVER direct discharge toward people, pets or property. Thrown objects can cause injury or damage.



DO NOT operate mower unless all guards are in operating position or bagger is attached.



Keep children and others away from unit while unit is in operation.

3. Tipping Hazard



Avoid tipping hazard.



DO NOT operate on slopes over 15° .



DO NOT operate on slopes over 15°.

3. Service Hazard



Before servicing unit do the following:



Read owners manual before servicing or making adjustments to unit.



Set parking brake.



Remove key and disconnect spark plug before servicing or making adjustments to unit.

3. Bystander Hazard



DO NOT operate the unit in the presence of bystanders.



DO NOT carry passengers.



Look behind when operating the unit in reverse.

3. Loss of Traction Hazard



If loss of traction is experienced do the following:



Disengage PTO.



Proceed off slope slowly.



DO NOT try to turn or speed up.

4. DANGER!



ALWAYS keep hands and feet away from discharge chute.

5. HOT PARTS!



DO NOT touch parts which are hot from operation. ALWAYS allow parts to cool.

6. ROTATING PARTS!



AVOID INJURY. Stay clear of rotating parts.

7. DANGER!



DANGER!



No smoking.



IMPORTANT: DO NOT overfill. Fill fuel tank to below bottom of filler neck.

WARNING: Overfilling may cause severe damage to evaporative system!

- NEVER fill fuel tank when engine is running, hot or unit is indoors. NEVER overfill fuel tank.
- Replace fuel cap securely and clean up spilled fuel.

8. DANGER!



To avoid amputation hazard DO NOT put hands near moving belts.



Keep hands away from all rotating or moving parts.

SAFETY INSTRUCTIONS

The following safety instructions are based on the B71.1 specifications of the American National Standards Institute and ISO 5395 in effect at the time of production.

Safe Practices for Ride-On Mowers

If used improperly, this machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death. Use only for purposes intended as set forth in the Operator's Manual. Other use is improper and may cause serious injury or death.

General Information

Read, understand, and follow instructions and warnings in this manual and on the machine, engine and attachments.

Only allow operators, who are responsible, trained, familiar with the instructions, and physically capable to operate the machine.

DO NOT carry passengers and keep people or pets away from the mowing area.

DO NOT operate the machine while physically or mentally impaired, feeling tired, ill or under the influence of alcohol or drugs.

Follow the manufacturer's recommendation for wheel weights or counterweights.

DO NOT touch parts which are hot. Allow parts to cool.

Preparation Before Operating

Inspect unit before each use for missing or damaged decals and shields, correctly operating safety interlock system, ROPS and deterioration of grass catchers. Replace or repair as needed.

Clear the operating area of all objects which could be thrown by or interfere with operation of the machine.

Keep the area of operation clear of all bystanders, particularly small children. Stop the machine and attachment(s) if anyone enters the area

DO NOT operate the machine without the entire grass catcher, discharge chute, or other safety devices in place and functioning properly. Check frequently for signs of damage, wear or deterioration and replace as needed. NEVER tamper with safety devices. Check their proper operation regularly. NEVER do anything to interfere with the intended function of a safety device or to reduce the protection provided by the safety device.

Check parking brake operation frequently. Adjust and service as required.

Wear appropriate personal protective equipment such as safety glasses, hearing protection, and substantial footwear. DO NOT mow barefoot or while wearing sandals.

Operating

Improper use of power equipment can cause serious permanent injury or death to the operator or a bystander. Understand:

- How to operate all controls
- · The functions of all controls
- How to STOP in an emergency
- Braking and steering characteristics
- · Turning radius and clearances

If the operator or the mechanic cannot read the manual, it is the owner's responsibility to explain it to them.

Only run the engine in well ventilated areas. Exhaust gases contain carbon monoxide, an odorless deadly poison.

Only operate the machine in daylight or good artificial light.

Avoid holes, ruts, bumps, rocks and other hazards. Uneven terrain could overturn the machine, or cause operator to lose their balance, footing and/or control of the mower.

DO NOT put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.

Avoid slippery surfaces. ALWAYS be sure of your footing.

Stop engine before removing grass catcher or unclogging chute.

DO NOT direct discharge material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade(s) when crossing gravel surfaces. DO NOT mow into roads or across sidewalks. DO NOT leave a running machine unattended. ALWAYS park on level ground, disengage the attachment, set parking brake, stop engine and remove key (if applicable) before leaving the operator's position.

DO NOT mow in reverse unless absolutely necessary. ALWAYS look down and behind before and while backing.

Lightning can cause severe injury or death. If lightning is seen or thunder is heard in the area, DO NOT operate the machine; seek shelter.

If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.

ALWAYS check overhead and side clearances carefully before operation. Keep in mind that your mower deck may be wider than your track width.

Children Specific

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. NEVER assume that children will remain where you last saw them.

Keep children out of the operating area and under the watchful care of a responsible adult other than the operator.

Do not carry children, even with the blade(s) shut off. Children could fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past could suddenly appear in the mowing area for another ride and be run over or backed over.

DO NOT allow children under the age of 18 to operate any outdoor power equipment.

Slope Specific

Slopes are a major factor related to accidents. Operation on slopes requires extra caution. If you feel uneasy on a slope DO NOT mow it. Use the parking brake for emergency stops.

DO Not operate on slopes of more than 15°.

Do not mow within 1.2 M (4 feet) of a drop off. Do not mow within 1.2 M (4 feet) of a pond or other waterway.

The primary hazard of slope operation is loss of control and/or roll over.

Mow up and down slopes, NEVER across. Exercise caution when changing direction on slopes. Use caution while operating near dropoffs.

Avoid mowing wet grass. Wet surfaces can cause a loss of traction and control.

DO NOT operate machine under any condition where traction, steering, or stability is in question. Tires could slide even if the wheels are stopped.

Always keep the machine in gear when going down slopes. Do not coast downhill.

Avoid starting and stopping on slopes. Avoid making sudden changes in speed or direction. Make turns slowly and gradually.

Use extra care while operating machine with a grass catcher or other attachment(s). They can affect the stability of the machine.

Fire and Fuel Specific

Extinguish all cigarettes, cigars, pipes and other sources of ignition.

Use only an approved fuel container.

DO NOT remove fuel cap or add fuel with the engine running or while hot.

DO NOT refuel indoors or in enclosed spaces.

DO NOT store the machine or fuel container, or refuel, where there is an open flame, spark, or pilot light such as on a water heater or other appliance.

If fuel is spilled, DO NOT attempt to start the engine and avoid creating any source of ignition until fuel vapors have dissipated.

To help prevent fires: keep machine free of grass, leaves, or other debris build up; clean up oil or fuel spillage and remove any fuel soaked debris; allow engine to cool before storing.

Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.

Hauling

Use a single full-width ramp for loading and unloading a machine for transport. Secure with appropriate straps.

Towing

Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.

ROPS

The ROPS is an integral safety device. Do not remove or alter the ROPS.

Keep a folding ROPS in the raised and locked position and use the seat belt when operating the machine.

Lower a folding ROPS temporarily only when absolutely necessary. Do not wear the seat belt when folded down. There is no rollover protection when a folding ROPS is in the down position.

Frequently inspect the ROPS and the seatbelt for damage. Replace a damaged ROPS. Do not repair or alter.

Service

Keep machine in good working order. Replace worn or damaged parts.

Use caution when servicing blades. Wrap the blade(s) or wear gloves. Replace damaged blades. DO NOT repair or alter blade(s).

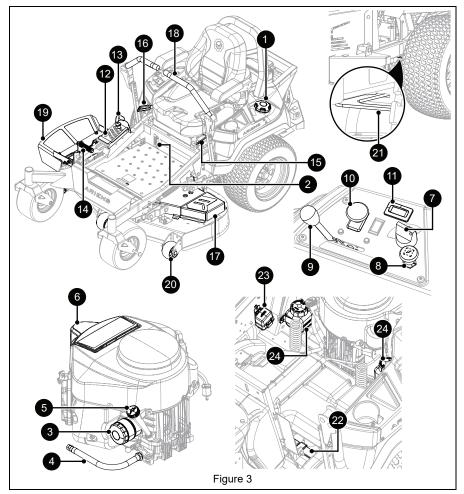
Disconnect spark plug wire(s) and the negative battery cable before making any repairs.

Use only attachments recommended by AriensCo that are appropriate to your use and can be used safely in your application.

The use of non-genuine replacement parts or accessories could adversely affect machine operation and safety.

DO NOT change engine governor setting or overspeed the engine.

CONTROLS AND FEATURES



- 1. Fuel Tank and Cap
- 2. Fuel Level Window
- 3. Oil Filter
- 4. Oil Drain
- 5. Engine Oil Dipstick
- 6. Air Filter
- 7. Ignition Key
- 8. Choke Control Knob
- 9. Throttle Control Lever
- 10. Power Take-off (PTO) Knob
- 11. Hour Meter
- 12. Height-of-Cut Adjustment System
- 13. Transport Lock Release Lever

- 14. Deck Lift Pedal
- 15. Seat Adjustment Lever
- 16. Parking Brake Lever
- 17. Belt Cover (3)
- 18. Steering Lever (2)
- 19. Discharge Chute (Models 991324, 991326)
- 20. Anti-Scalp Wheel (6)
- 21. Transaxle Bypass Lever (2)
- 22. Battery (Under Seat)
- 23. Fuse Box
- 24. Hydraulic Oil Expansion Tank (2)



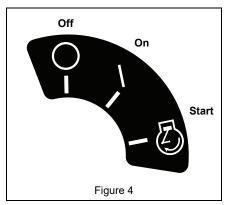
WARNING: AVOID INJURY. Read and understand the *Safety* section before proceeding.

See Figure 3 for all controls and features locations.

IGNITION KEY

See Figure 4.

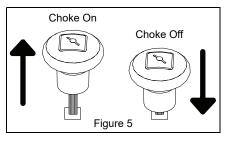
Controls power to the engine. The key cannot be removed when in run position.



CHOKE CONTROL KNOB

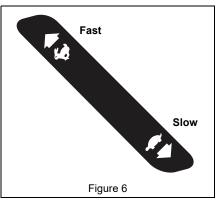
See Figure 5.

Controls airflow to the engine.



THROTTLE CONTROL LEVER

See Figure 6. Controls engine speed.



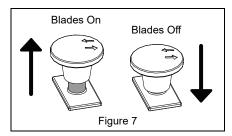
POWER-TAKE-OFF (PTO) KNOB

See Figure 7.

Controls power to mower blades. The engine will not start with the PTO knob in the on position.



WARNING: AVOID INJURY. Blades will not *immediately* stop after pushing PTO knob down to off position.



HOUR METER

Displays the amount of time spent on individual jobs, service alerts, and recommended service intervals.

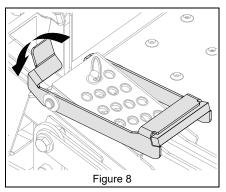
HEIGHT-OF-CUT ADJUSTMENT SYSTEM

Sets the height of cut.

TRANSPORT LOCK RELEASE LEVER

See Figure 8.

Releases deck from transport lock position.



DECK LIFT PEDAL

Raises mower deck to change height-of-cut setting.

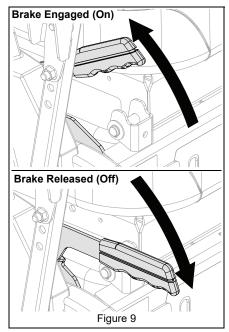
SEAT ADJUSTMENT LEVER

Unlocks seat to allow operator to move seat forward or backward and then lock in desired position.

PARKING BRAKE LEVER

See Figure 9.

Controls the parking brake. The engine will not start with brake in the off position.



SAFETY INTERLOCK SYSTEM

Monitors the interaction of various unit features for operator safety.

STEERING LEVERS

Control the direction and speed of unit. To stop unit, return both steering levers to neutral.

TRANSAXLE BYPASS LEVERS

Engage and disengage the transaxles so unit may be moved with the engine off.

ANTI-SCALP WHEELS

Help prevent the deck from contacting the ground and scalping the lawn when passing over a high spot.

OPERATION



WARNING: AVOID INJURY. Read and understand the *Safety* section before proceeding.

IMPORTANT: All references to left, right, front or rear are given from the perspective of operator in operator's position, facing the direction of forward travel.

EMERGENCY STOPPING

- 1. Move steering levers to neutral position.
- 2. Set parking brake.
- 3. Push PTO knob down to off position.
- 4. Turn ignition key to off position and remove key.

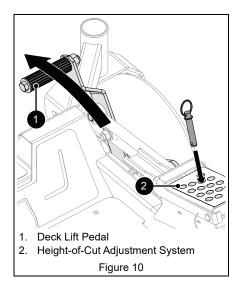
BEFORE OPERATING UNIT

IMPORTANT: Register your product! See *Register Your Product!* on page 1.

1. Check fuel level and add fuel if needed.

IMPORTANT: Use fresh unleaded fuel with an octane rating of at least 87. DO NOT use E85 blended fuels; the engine is not E20 / E30 / E85 compatible. The maximum recommended ethanol content is 10%. Ariens recommends using a quality fuel stabilizer in all fuel. See *Short-Term Storage* on page 35.

- 2. Check engine oil level and add oil if needed. Refer to engine manual.
- 3. Check condition of air cleaner. Refer to engine manual.
- Check function of the Safety Interlock System by performing the tests in *Check* Safety Interlock System on page 16. Contact your Ariens dealer for repair if any of the tests fail.
- 5. Set cutting height. See Figure 10.
 - a. Push mower lift pedal forward until transport lock engages.
 - Insert adjustment pin through desired setting in height-of-cut adjustment system.
 - c. Push mower lift pedal slightly forward, release transport lock and slowly release pedal until it contacts adjustment pin and stops.



START THE ENGINE

- 1. Push PTO knob down to off position.
- 2. Move steering levers to neutral position.
- 3. Engage parking brake.
- If engine is cold, pull choke knob up to on position. If engine is warm or hot, turn choke off.
- 5. Set throttle to slow speed.
- 6. Insert ignition key and turn to start position. Release key when engine starts.

NOTICE: Do not operate the starter for more than 10 seconds at a time. If the engine does not start, allow a 60-second cool down period between starting attempts.

 If choke is on, wait a few seconds after engine starts and then push choke knob down to off position.

IMPORTANT: Make sure choke is completely off. Engine will not run smoothly using partial choke.

OPERATE UNIT

- 1. Release parking brake.
- 2. Set throttle control lever to fast position.

IMPORTANT: Engaging the PTO knob with the throttle lever set lower than fast position can cause excessive belt wear. ALWAYS use fast position when engaging the PTO.

3. Pull PTO knob up to on position.

IMPORTANT: Never engage the PTO if the mower is plugged with grass or other material. This may cause damage to the electric clutch.



WARNING: AVOID INJURY. Move the steering levers slowly and keep the throttle at slow speed until you learn how to operate the unit.

4. Move steering levers to begin mowing.

Direction of Travel	Lever Position	
Forward	Push both levers forward from neutral position.	
Reverse	Pull both levers backward from neutral position.	
Right Turn	Push left lever farther forward than the right lever.	
Left Turn	Push right lever farther forward than the left lever.	
Stop	Return both levers to neutral position.	

IMPORTANT: Aggressive turning can scuff or damage lawns. Always keep both wheels rotating when making sharp turns. DO NOT make turns with inside wheel completely stopped. For minimum turning radius, slowly reverse inside wheel while moving outside wheel slowly forward.

For Best Mowing Results

- · Cut grass when it is dry.
- · Keep mower blades sharp.
- Keep mower deck properly leveled.
- Adjust anti-scalp wheels to prevent scalping.
- Do not set height of cut too low. For very tall grass, mow twice.
- Do not travel too fast.
- Mow with the engine set at full throttle.

- When mulching, only remove 1/3 of grass length per cutting. Do not cut more than 2.5 cm (1") at any one time.
- Discharge clippings into areas already cut.
- Vary cutting pattern with each mowing.
- Do not allow grass or debris to collect inside of mower deck. Clean after each use.

STOP THE ENGINE



WARNING: AVOID INJURY. Wait for all moving parts to stop before leaving operator's position.

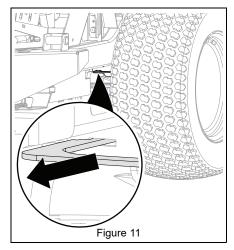
- 1. Place steering levers in neutral position and rotate outward.
- 2. Engage parking brake.
- 3. Push PTO knob down to off position.
- 4. Set throttle to slow speed.
- 5. Turn ignition key to off position and remove key.

MOVE UNIT MANUALLY

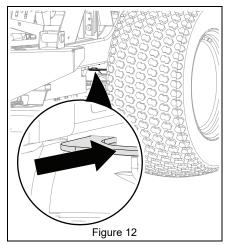
Bypass the transaxles to move the unit with the engine off.

IMPORTANT: There is one transaxle bypass lever on each side of unit. Ensure that both levers are fully in front or rear position.

- 1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool. See *Stop the Engine* on page 13.
- 2. Pull both transaxle bypass levers out into bypass position. See Figure 11.



- 3. Release parking brake and push unit to desired location.
- 4. Engage parking brake.
- 5. Return transaxle bypass levers to operating position. See Figure 12.



TRANSPORT UNIT

- 1. Push deck lift pedal completely forward to engage transport lock. Release pedal.
- 2. Move unit to transport vehicle.
- 3. Stop engine, engage parking brake, remove key from ignition.
- 4. Secure mower frame to transport vehicle.

NOTICE: NEVER secure unit to vehicle from rods or linkages that could be damaged.

RELEASE TRANSPORT LOCK

- 1. Push deck lift pedal forward and lift transport lock release lever.
- Slowly return mower lift pedal to resting position.

MAINTENANCE



WARNING: AVOID INJURY. Read and understand the *Safety* section before proceeding.

Proper maintenance can prolong the life of unit. The *Maintenance Schedule* on page 15 shows the recommended service schedule.

Your Ariens dealer can provide service and adjustments to keep your unit operating at peak efficiency. Contact an authorized engine manufacturer's service center for engine service.

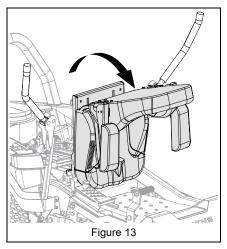
More frequent service may be required due to working conditions (heavy loads, high ambient temperatures, dusty conditions, or airborne debris).

See the maintenance instructions in the Engine Manual for additional information.

SERVICE POSITION

See Figure 13.

- 1. Park unit on a flat, level surface.
- Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 3. Engage parking brake.
- 4. Chock wheels. Strap and clamp unit onto lift, if used.
- 5. Place steering levers in neutral position and rotate outward.
- 6. Rotate seat forward.



MAINTENANCE SCHEDULE

Service Performed	Each Use	Every 25 hrs.	Every 50 hrs.	Every 100 hrs.	Every 400 hrs.
Check Safety Interlock System	•				
Check Hydraulic System	•				
Check Parking Brake	•				
Check Engine Oil *	•				
Change Engine Oil *					
Check Tire Pressure	•				
Check Mower Blades	•				
Check Battery		•			
Clean Battery		•			
Check Air Filter *			•		
Check Fasteners			•		
Lubricate Unit			•		
Clean Engine Cooling System *				•	
Check Belts				•	
Change Hydraulic Oil and Filter **					•
* Refer to engine manual for	ins	stru	ctio	ns.	

** Change after first 75 hours of operation.

SERVICE PARTS

See your Ariens dealer to purchase service parts for your unit.

Description	Qty.	Part No.
Transaxle Drive Belt	1	07225600
Mower Belt – Left (Models 991324, 991325)	1	07200815
Mower Belt – Right (Models 991324, 991325)	1	07200805
Mower Belt – Left (Models 991326, 991327)	1	07200816
Mower Belt – Right (Models 991326, 991327)	1	07200806
Mower Blade (Models 991324, 991325)	3	00450200
Mower Blade (Models 991326, 991327)	3	03253800
Seat Switch	1	02754100
Hydraulic Oil – 32 oz (1 Qt.)	AR	00057100

Description	Qty.	Part No.
Hydraulic Oil Filter	2	21545100
Fuel Filter	1	21548101
Engine Oil Filter	1	21548100
Air Filter	1	21548000
Fuel Stabilizer – 118 ml (4 oz.)	AR	04730400
Relay	1	04438400

HOUR / MAINTENANCE METER

Hour Meter-only Models

Hour meter measures engine runtime and cannot be reset.

Maintenance Models

See Figure 14.

When the key is in the on position, the Timer mode displays. Press the Mode button to toggle between different modes.

Timer: Measures engine runtime until reset. To reset the timer, press the Mode button to select TMR1 mode and then hold Mode button for 3 seconds.

IMPORTANT: Turn ignition key to the off position when unit is not in use. Some meters may count hours when the key is in the on position, even if the engine is off. This results in inaccurate maintenance intervals.

Service Alerts: Counts down hours until service is needed and displays "Now" when service is due. Service time is measured for:

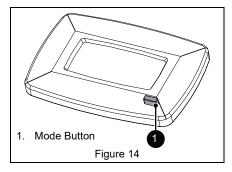
- Engine oil and filter changes (CHG OIL)
- Hydraulic oil and filter changes (CHG H OIL)
- Air filter service (SVC AIRFILTER)

The service intervals preset into the hour meter are:

- Hydraulic oil and filter: First 75 hours and every 400 hours thereafter
- Engine oil and filter: First 25 hours and every 100 hours thereafter
- · Air filter: Every 100 hours

NOTICE: The preset engine oil services intervals are normal recommended intervals. Specific engine manufacturer's recommendations may vary.

To clear a service message, press the mode button to select service alert mode and then hold the mode button for 3 seconds.



CHECK SAFETY INTERLOCK SYSTEM

Check function of the Safety Interlock System by performing the tests below. Contact your Ariens dealer for repair if any of the tests fail.

Test	Steering Levers	РТО	Parking Brake	Result		
	St	arting	Interlock			
1	Neutral	Off	On	Engine starts.		
2	Forward, Neutral, Reverse	On	On or Off	Engine does not start.		
3	Forward, Neutral, Reverse	On or Off	Off	Engine does not start.		
	Operating	lnter	lock (Eng	ine On)		
4 *	Forward, Neutral, Reverse	On	On or Off	Engine shuts off.		
5*	Forward, Neutral, Reverse	On or Off	Off	Engine shuts off.		
* When operator lifts off seat.						

CHECK PARKING BRAKE

- 1. Park unit on a flat, level surface.
- 2. Position steering levers in neutral.
- 3. Engage parking brake.
- 4. Stop engine and wait for moving parts to stop and for hot parts to cool.
- 5. Bypass transaxles. See *Move Unit Manually* on page 13.
- 6. Push unit forward.
 - If unit does not move forward, no adjustment is needed.
 - If unit moves forward easily, adjust the brake lever.

CHECK ENGINE OIL

NOTICE: Engine oil level must be maintained at correct level or engine damage may occur. Refer to engine manual.

CHECK TIRE PRESSURE

See *Specifications* on page 36 for recommended tire pressure.



WARNING: AVOID INJURY. Explosive separation of tire and rim parts is possible.

- DO NOT inflate tires above the recommended pressure.
- DO NOT inflate tires with a compressor; use a hand pump.
- DO NOT stand in front of tire assembly when inflating. Use a clip-on chuck and extension hose long enough to allow you to stand to one side.
- DO NOT mount a tire without proper equipment and experience.

CHECK FASTENERS

Check for loose or missing hardware.

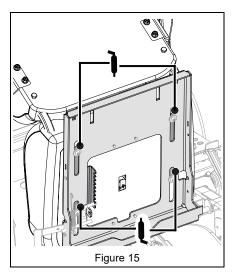
LUBRICATE UNIT

1. Apply oil to all pivot points and pin connections.

Lubricate Seat

See Figure 15.

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Apply grease to seat tracks through slots under seat plate.



 Return seat to operating position and slide seat back and forth to spread grease along tracks.

CHECK MOWER BLADES

Check blades for wear. Replace or sharpen as needed.

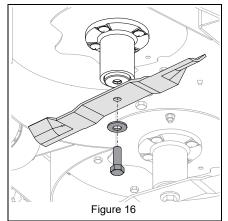


CAUTION: AVOID INJURY. Use sturdy gloves or padding to protect hands when working with mower blades.

Rotation of one blade rotates the other blades.

Remove Blades

- 1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 2. Disconnect spark plug wires.
- 3. Remove hardware securing blades to spindles and remove blades. Retain all hardware for reinstallation. See Figure 16.

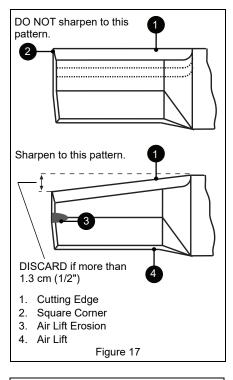


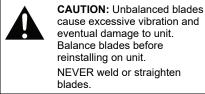
Sharpen Blades



CAUTION: DO NOT sharpen blades while attached to unit.

- 1. Remove blades. Discard blades if:
 - More than 1.3 cm (1/2") of metal is removed.
 - · Air lifts are eroded.
 - · Blades are bent or broken.
- 2. File or grind an equal amount of material from each cutting edge of the blade until sharp. DO NOT change angle of cutting edge or round the corner of the blade. See Figure 17.





 Check blade balance by sliding blade on an unthreaded bolt. If blade does not remain horizontal, sharpen the heavy end until blade is balanced.

Install Blades

See Figure 16.

 Reinstall blades and secure with original hardware. Torque to 156 N•m – 217 N•m (115 lb-ft – 160 lb-ft).

BATTERY SERVICE



WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

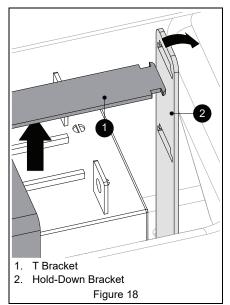
Remove Battery

Remove Factory Battery

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Disconnect the negative cable and then the positive cable from the battery.

See Figure 18.

- 3. Loosen hex nut securing right hold-down bracket to frame.
- 4. Remove T bracket from lower slots in hold-down brackets.
- 5. Remove battery.



Remove U1 Battery

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Disconnect the negative cable and then the positive cable from the battery.
- 3. Loosen hex nut securing right hold-down bracket to frame.

- Remove T-bracket from upper slots in hold-down brackets. Retain for reinstallation.
- 5. Remove battery.

Clean Battery

- 1. Clean terminals and battery cable ends with a wire brush.
- 2. Coat terminals with dielectric grease or petroleum jelly.

Install Battery



CAUTION: DO NOT allow direct metal contact across battery posts.

Install Factory Battery

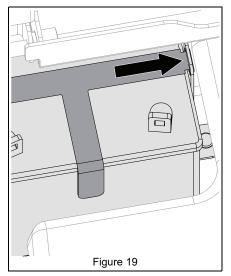
- 1. Reinstall positive cable and then the negative cable.
- 2. Insert T bracket through lower slots in hold-down brackets.
- 3. Tighten hex nut securing right hold-down bracket to frame.
- 4. Return seat to operating position

Install U1 Battery

- 1. Reinstall positive cable and then the negative cable.
- 2. Insert T bracket through upper slots in hold-down brackets.

See Figure 19.

- 3. Tighten hex nut securing right hold-down bracket to frame.
- 4. Return seat to operating position.



Charge Battery

Check battery with a voltmeter. If battery is less than 11 volts, charge battery.

NOTICE: DO NOT fast charge. Charging at a higher rate damages or destroys the battery. ONLY use an automatic charger designed for use with your battery.

NOTICE: Always follow information provided on battery by battery manufacturer. Contact battery manufacturer for detailed information about charging.

- 1. Remove battery from unit. See *Remove Battery* on page 18.
- 2. Place battery on bench or other wellventilated area.
- 3. Connect positive lead of charger to positive battery terminal.
- 4. Connect negative lead of charger to negative battery terminal.
- 5. Charge battery following battery manufacturer's instructions.
- 6. Reinstall battery. See *Install Battery* on page 19.

Jump Starting

Ariens does not recommend jump starting your unit. Jump-starting can damage engine and system components. Refer to engine manual for details.

CHECK MOWER BELTS

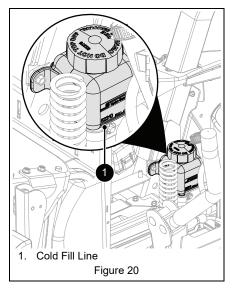
Check belts for wear and replace as needed.

CHECK HYDRAULIC SYSTEM

Check Hydraulic Oil Level

- 1. Place unit in service position. See *Service Position* on page 14.
- Check oil level in expansion tanks. Oil should reach the cold fill indicator mark. See Figure 20.

IMPORTANT: Engine should be cold when checking initial oil level.



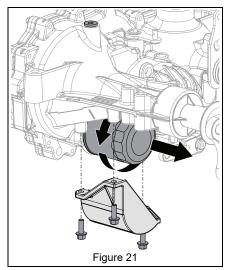
- 3. Operate engine for 1 minute and recheck oil levels.
- 4. Add hydraulic oil, if needed.
 - a. Remove expansion tank caps.
 - Fill expansion tanks with 15W-50 synthetic motor oil until oil reaches the cold fill indicator mark. See Figure 20.
 - c. Reinstall expansion tank caps.

Change Hydraulic Oil and Filter

- 1. Operate unit for a few minutes to warm hydraulic oil.
- 2. Stop engine, remove key and wait for all moving parts to stop and for hot parts to cool.
- 3. Position container under oil filter to catch used oil.

See Figure 21.

- 4. Remove filter guard and oil filter from transaxle.
- 5. Remove the vent / fill plug from the fill port and allow transaxle to drain completely.



- 6. Wipe filter-mounting surface clean.
- 7. Lubricate rubber gasket on new oil filter with clean hydraulic oil.
- Spin filter onto filter housing until it makes contact, and then turn filter 3/4 turn to tighten.
- Reinstall filter guard and torque to 7.3 N•m (65 lb-in). DO NOT overtighten.
- Add 15W-50 synthetic motor oil until oil appears at the bottom of the fill port (1892.7 mL [64 fl. ounces] per transaxle).
- 11. Reinstall the vent / fill plug and torque to 20.3 N•m (180 lb-in).
- 12. Add hydraulic oil to expansion tank until oil reaches cold fill indicator mark.
- 13. Repeat steps 3 12 for other transaxle.
- 14. Purge hydraulic system. See *Purge Hydraulic System* on page 20.

Purge Hydraulic System

Purge air from hydraulic system after draining oil or changing the filter.



WARNING: AVOID INJURY. This adjustment requires operating the engine. Use extreme care to avoid contact with moving parts and hot surfaces. Be sure rear of unit is well supported and secure before starting engine.

- 1. Park unit facing a wall or chock wheels.
- 2. Release parking brake.

- 3. Support unit so drive wheels are off the ground.
- 4. Bypass transaxles. See *Move Unit Manually* on page 13.
- 5. Start the engine and slowly move steering levers forward and backward 5 or 6 times.
- Return transaxle bypass levers to operating position. See Move Unit Manually on page 13.
- 7. Slowly move steering levers forward and backward 5 or 6 times.
- 8. Stop engine, lower unit to ground and check oil level. Add oil if needed.
- Repeat steps 1 8 until transaxles operate smoothly in forward and reverse at normal speed without excessive noise.

SERVICE & ADJUSTMENTS

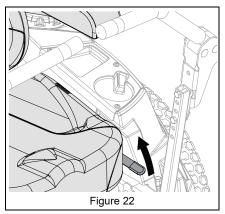


WARNING: AVOID INJURY. Read and understand the *Safety* section before proceeding.

ADJUST SEAT

See Figure 22.

- 1. Pull seat adjustment lever up to unlock seat.
- 2. Move seat to desired position.
- 3. Release seat adjustment lever to lock seat in place.



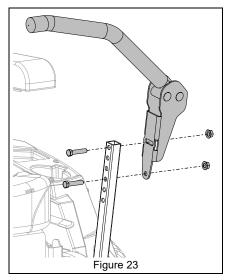
ADJUST STEERING LEVERS

Adjust Height

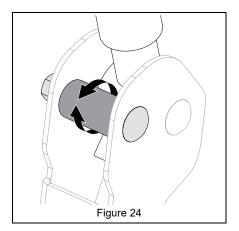
The steering lever height may be adjusted for operator comfort.

See Figure 23.

- 1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 2. Remove steering lever hardware and remove steering lever from lower control arm.
- 3. Position steering lever at desired height and align with lower control arm. Secure with original hardware.

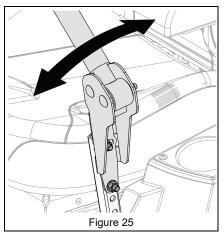


- 4. Adjust steering lever position. See *Adjust Steering Levers* on page 21.
- Turn eccentric spacer so levers are at the same height and have a 1.3 cm – 2.5 cm (1/2" – 1") gap between lever ends. See Figure 24.



If there is more than 3.2 mm (1/8") between the horizontal alignment of the steering levers, align the levers.

- Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 7. Engage parking brake.
- 8. Loosen mounting hardware, align levers and tighten hardware. See Figure 25.



Adjust Forward Position

The steering lever forward position may be adjusted for operator comfort.

- Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 2. Loosen mounting hardware on steering lever assemblies.

- 3. Place steering levers in desired position:
 - Gently push levers forward for greater distance from operator.
 - Gently pull levers back for closer distance to operator.
- 4. Tighten hardware.

ADJUST UNIT TO DRIVE STRAIGHT

Adjust Tire Pressure

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Check tire pressures. If needed, adjust to recommended pressures. See *Specifications* on page 36.
- 3. Check tracking.
 - If unit does not track straight, increase tire pressure to the drive wheel of the side it moves toward.

IMPORTANT: DO NOT exceed maximum tire pressure listed on tire sidewall.

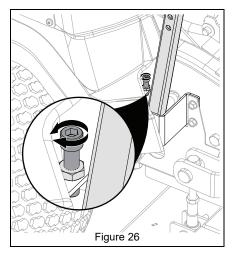
• If increasing tire pressure does not correct tracking, adjust the limiter bolts as directed below.

Adjust Limiter Bolts

See Figure 26.

Limiter bolts can be adjusted to increase or decrease drive wheel speeds. To adjust:

- 1. Loosen jam nut.
 - Turn limiter bolt counterclockwise to increase maximum drive wheel speed on that side.
 - Turn limiter bolt clockwise to reduce maximum drive wheel speed on that side.
- 2. Tighten jam nut.



3. Align steering levers. See *Adjust Steering Levers* on page 21.

ADJUST TRANSAXLES

Check For Excessive Creep



WARNING: AVOID INJURY. This adjustment requires operating the engine. Use extreme care to avoid contact with moving parts and hot surfaces. Be sure rear of unit is well supported and secure before starting engine.

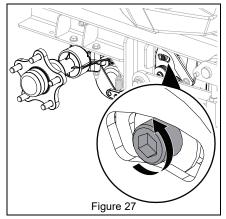
- 1. Operate unit for a minimum of 5 minutes to warm hydraulic system.
- 2. Stop engine and engage parking brake.
- 3. Chock front wheels and support unit so both drive wheels are off the ground.
- 4. Remove drive wheels.
- 5. Start engine, move throttle lever to fast position and release parking brake.
- 6. Move steering levers forward and backward 5 or 6 times and then return levers to neutral position.
- 7. Check hubs for rotation.
 - If there is only slight rotation, stop engine, reinstall wheels and lower unit to ground.
 - If there is excessive rotation, adjust neutral position as directed below.

IMPORTANT: Torque wheel lug nuts to 81.3 N•m – 122.0 N•m (60 lb-ft – 90 lb-ft).

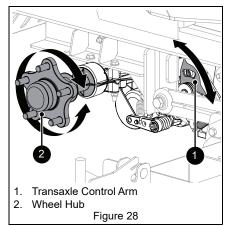
Adjust Neutral Position

If wheel hub has excessive rotation after checking for excessive creep, adjust neutral position.

1. Loosen the return-to-neutral screw on the transaxle. See Figure 27.



2. Slowly turn transaxle control arm in the opposite direction of hub rotation until hub stops. See Figure 28.



- 3. Hold the transaxle control arm in position and tighten the return-to-neutral screw.
- 4. Start engine, move throttle lever to fast position and release parking brake.
- 5. Move steering levers forward and backward 5 or 6 times and then return levers to neutral position.

- 6. Check wheel hubs for rotation.
 - If there is only slight rotation, stop engine, reinstall wheels, return unit to operating position and advance to *Adjust Parking Brake Lever* on page 29.
 - If there is excessive rotation, repeat steps 1 6.

IMPORTANT: Torque wheel lug nuts to 81.3 N•m – 122.0 N•m (60 lb-ft – 90 lb-ft).

ELECTRICAL SERVICE

See Figure 29.

Replace Fuse

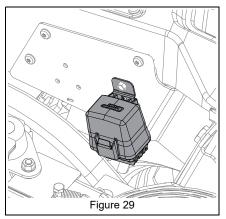
NOTICE: To avoid damaging the circuit, replace fuses with fuses of the same amperage rating. Determine the cause of electrical failure and repair before replacing failed electrical components.

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Remove defective fuse.
- 3. Determine cause of fuse failure and repair condition.
- 4. Install new fuse.

Replace Relay

NOTICE: Relays are interchangeable. Use only quality replacement parts. See *Service Parts* on page 15.

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Remove defective relay.
- 3. Determine cause of relay failure and repair condition.
- 4. Install new relay.



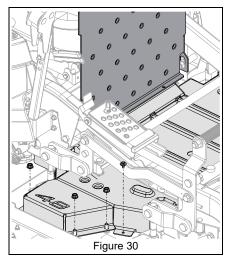
REPLACE MOWER BELTS



CAUTION: Damage or worn belts may result in injury and / or damage to the unit. Check belts for excessive wear or cracks often.

Remove PTO Belt

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Position mower deck at lowest cutting height.
- 3. Remove hardware securing belt covers to deck and remove belt covers. See Figure 30.

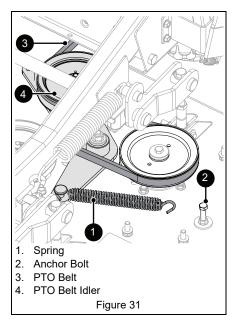




CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

See Figure 31.

- 4. Slowly remove spring hook from anchor bolt to release tension from belt idler.
- 5. Remove PTO belt.



Remove Mower Drive Belt

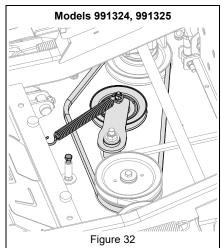
1. Remove PTO belt. See *Remove PTO Belt* on page 24.

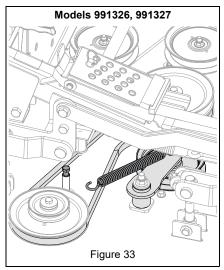


CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

See Figure 32 and Figure 33.

- 2. Slowly remove spring hook from anchor bolt to release tension from belt idler.
- 3. Remove mower drive belt.

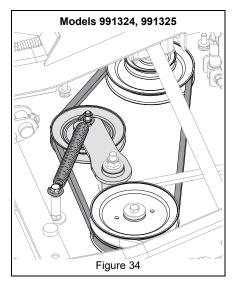


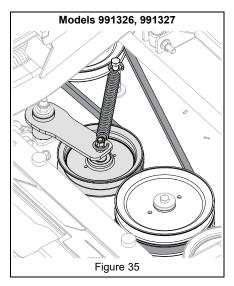


Install Mower Drive Belt

See Figure 34 and Figure 35.

- Install mower drive belt around bottom groove of split pulley at deck center and around bottom groove of right spindle pulley.
- 2. Reinstall idler spring hook around anchor bolt to apply tension to belt.





IMPORTANT: Make sure belt has tension and is aligned in all pulleys.

Install PTO Belt

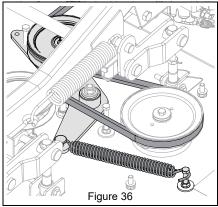
IMPORTANT: Mower drive belt MUST be installed before PTO belt.

1. Install PTO belt around clutch sheave at rear of unit.

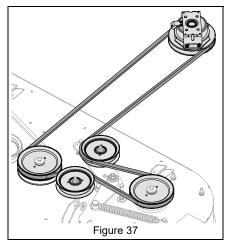
See Figure 36.

2. Install PTO belt around top groove of split pulley at deck center and around left spindle pulley.

- 3. Align belt with idler pulleys.
- 4. Reinstall idler spring hook around anchor bolt to apply tension to belt.



IMPORTANT: Make sure belt has tension and is aligned in all pulleys. See Figure 37.



5. Reinstall belt covers and secure with original hardware.

REPLACE TRANSAXLE DRIVE BELT

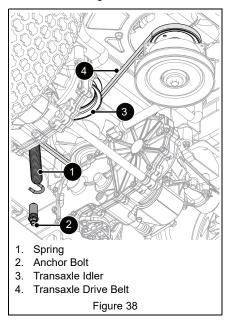
Remove Transaxle Drive Belt

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Remove PTO belt from clutch. See *Remove PTO Belt* on page 24.



CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

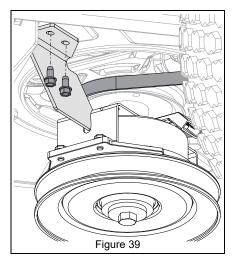
 Under unit, slowly remove spring hook from anchor bolt to release transaxle idler tension. See Figure 38.



See Figure 39.

4. Remove hardware securing clutch stop bracket to frame and remove bracket.

NOTICE: DO NOT cut cable tie.

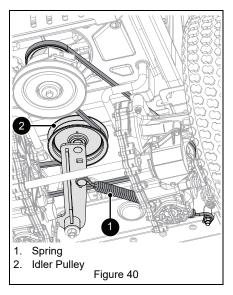


- 5. Remove transaxle drive belt from drive system in the following order:
 - a. From right transaxle sheave.
 - b. From left transaxle sheave.
 - c. From clutch sheave.

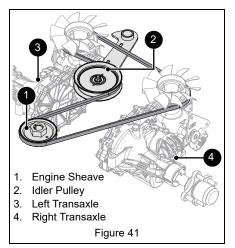
Install Transaxle Drive Belt

See Figure 40.

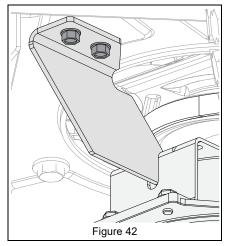
- 1. Install transaxle drive belt to drive system in the following order:
 - a. Around clutch sheave.
 - b. Around left transaxle sheave.
 - c. Around right transaxle sheave.
- 2. Align belt with idler pulley.
- 3. Reinstall idler spring hook onto anchor bolt. Make sure belt has tension and is aligned in all pulleys.



IMPORTANT: Make sure belt has tension and is aligned in all pulleys. See Figure 41.



4. Reinstall clutch stop bracket and secure with original hardware. See Figure 42.

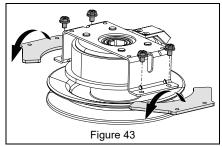


5. Reinstall PTO belt. See *Install PTO Belt* on page 26.

REVERSE CLUTCH BRAKE PLATES

See Figure 43.

- 1. Remove hardware securing brake plates to clutch bracket. Retain for reinstallation.
- 2. Reverse the brake plates and secure to clutch bracket using original hardware.



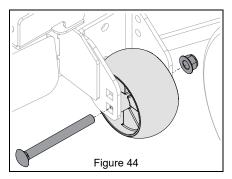
ADJUST ANTI-SCALP WHEELS

See Figure 44.

The anti-scalp wheels are set at the factory for typical mowing height, but can be adjusted for high or low cutting conditions. Make sure all wheels are set to the same height.

- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Remove hardware securing anti-scalp wheels to deck and remove wheels.
- 3. Position wheels as necessary:
 - For a very high cutting height, set the anti-scalp wheels in the lowest position on the bracket.
 - For a very low cutting height, set the anti-scalp wheels in the highest position on the bracket.
- 4. Secure with original hardware.

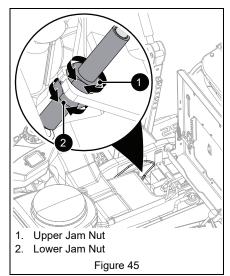
IMPORTANT: All anti-scalp wheels MUST be set to the same height.



ADJUST PARKING BRAKE LEVER

See Figure 45.

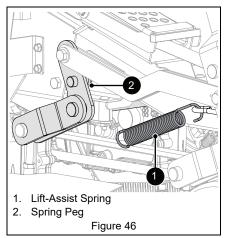
- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Loosen jam nuts on cable adjustment barrel.
- 3. Adjust cable tension.
 - To increase lever response, loosen the upper jam nut and tighten the lower jam nut until both jam nuts are tight against cable bracket.
 - To decrease lever sensitivity, loosen the lower jam nut and tighten the upper jam nut until both jam nuts are tight against cable bracket.
- 4. Check parking brake and readjust if necessary. See *Check Parking Brake* on page 16.



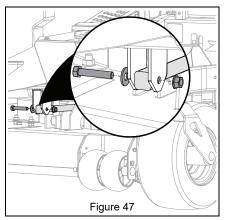
REMOVE AND INSTALL MOWER DECK

Remove Deck

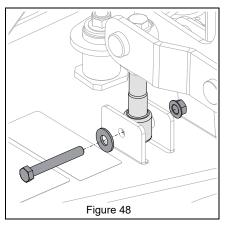
- 1. Place unit in service position. See *Service Position* on page 14.
- 2. Set deck to lowest cutting height.
- 3. Position supports, such as wood blocks, under mower deck.
- 4. Remove PTO belt. See *Remove PTO Belt* on page 24.
- Slowly disconnect lift-assist springs from spring peg on each side of deck. See Figure 46.



6. Remove hardware retaining drag links to frame. See Figure 47.



7. Remove hardware retaining deck lift links to deck lift brackets. See Figure 48.



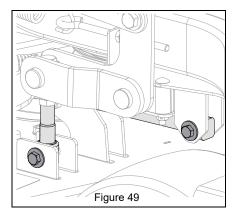
8. Remove deck from under unit.

Install Deck

1. Position deck under unit.

See Figure 49.

- 2. Reinstall drag links to frame with original hardware.
- 3. Secure deck lift links to deck lift brackets with original hardware.



- 4. Reinstall PTO belt. See *Install PTO Belt* on page 26.
- 5. Reconnect lift-assist springs to spring pegs.
- 6. Level the deck. See *Level and Pitch Mower Deck* on page 30.

LEVEL AND PITCH MOWER DECK

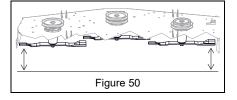
IMPORTANT: Make sure unit is on a flat, level surface and that tires are inflated to the recommended pressures.

Check Blade Level and Pitch

- 1. Raise deck to 3 1/2" (8.9 cm) cutting height.
- Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- 3. Engage parking brake.

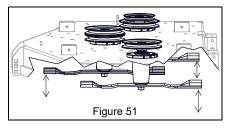
See Figure 50.

- 4. Position mower blades so ends point left to right across the width of the deck.
- Measure the distance between the ground and the cutting edge of the left and right blades. If the measurements are not within 4.7 mm (3/16") of each other, level the deck. See *Level and Pitch Mower Deck* on page 30.



See Figure 51.

- Position mower blades so ends point front to back and measure the following:
 - At the front of the deck, measure the distance between the ground and the cutting edge of the middle blade.
 - At the rear of the deck, measure the distance between the ground and the cutting edge of the left and the right blades.

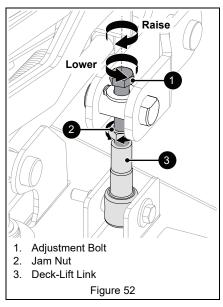


If the front measurement is not 3.2 mm (1/8") lower than the rear measurements, adjust the blade pitch. See *Adjust Blade Pitch* on page 32.

Level Mower Deck

See Figure 52.

- 1. Lower the high side of deck:
 - a. Loosen jam nuts against deckleveling links.
 - b. Turn adjustment bolts counterclockwise.
 - c. Measure distance between the ground and cutting edges of left and right blades. Continue adjustment if necessary.
 - d. Tighten jam nuts against deckleveling links.
- 2. Raise the low side of deck:
 - a. Loosen jam nuts against deckleveling links.
 - b. Turn adjustment bolts clockwise.
 - c. Measure distance between the ground and cutting edges of left and right blades. Continue adjustment if necessary.
 - d. Tighten jam nuts against deckleveling links.



Adjust Blade Pitch

IMPORTANT: Side-to-side deck heights MUST remain level even after completing pitch adjustment.

IMPORTANT: Pitching the front of the blades lower than the rear provides a balance between cut quality and the power needed to cut grass. Certain cutting conditions require the deck rear to be pitched lower than the front. Positioning the deck this way requires more engine power but can provide better cut quality.

- 1. Increase forward pitch:
 - a. Loosen jam nuts against all deckleveling links.
 - b. Turn front adjustment bolts counterclockwise to lower deck front.
 - c. Turn rear adjustment bolts clockwise to raise deck rear.
 - d. Check adjustment. See *Check Blade Level and Pitch* on page 30.
 - e. Tighten jam nuts against deckleveling links.
- 2. Decrease forward pitch:
 - a. Loosen jam nuts against all deckleveling links.
 - b. Turn front adjustment bolts clockwise to raise deck front.
 - c. Turn rear adjustment bolts counterclockwise to lower deck rear.
 - d. Check adjustment. See *Check Blade Level and Pitch* on page 30.
 - e. Tighten jam nuts against deckleveling links.

	TROUBLESH	OOTING	
Problem	Probable Cause	Correction	
	Safety Interlock System is not engaged or is faulty.	Check Safety Interlock System. See Check Safety Interlock System on page 16.	
	Fuel tank is empty.	Fill fuel tank. See <i>Before Operating Unit</i> on page 12.	
	Fuel supply is contaminated.	Replace with clean fuel.	
Engine does not start.	Battery is discharged.	Charge battery. See <i>Install U1 Battery</i> on page 19.	
	Connection between battery and battery cables is poor.	Tighten and/or clean battery and battery cables. See <i>Clean Battery</i> on page 19.	
	Spark plug wire(s) are loose or spark plug(s) are faulty.	Connect spark plug wire(s) or replace spark plug(s). Refer to engine manual.	
	Electrical system is faulty.	Contact your Ariens dealer.	
	Engine is faulty.	Contact your Ariens dealer.	
Engine runs	Choke control knob is in on position.	Move knob to off position.	
rough.	Air filter cartridge is plugged.	Clean or replace air filter cartridge. Refer to engine manual.	
	Engine is faulty.	Contact your Ariens dealer.	
Engine	Engine oil level is low.	Add engine oil. Refer to engine manual.	
overheats.	Cooling fins are plugged.	Clean engine. Refer to engine manual.	
	Engine is faulty.	Contact your Ariens dealer.	
Unit does not	The transaxles are bypassed.	Engage levers. See <i>Move Unit Manually</i> on page 13.	
drive.	Transaxle drive belt is faulty.	Contact your Ariens dealer.	
	Transaxles are faulty.	Contact your Ariens dealer.	
	Operator presence switch is not engaged.	Activate switch by sitting on operator seat.	
РТО	Operator presence switch is faulty.	Contact your Ariens dealer.	
malfunctions.	PTO belt is faulty.	Replace belt. See <i>Replace Mower Belts</i> on page 24.	
	PTO switch, wiring, connectors or clutch are faulty.	Contact your Ariens dealer.	
Unit moves with engine off	Parking brake needs adjustment.	Adjust parking brake lever. See <i>Adjust</i> <i>Parking Brake Lever</i> on page 29.	
and parking brake engaged.	Parking brake is faulty.	Contact your Ariens dealer.	
11-14 -1	Tire pressure is incorrect.	Check tire pressure. See <i>Specifications</i> on page 36.	
Unit does not drive straight.	Steering levers need adjustment.	See Adjust Steering Levers on page 21.	
	Transaxles and/or linkages need adjustment.	Contact your Ariens dealer.	
Unit creeps	Transmission and/or linkage	Contact your Ariens dealer.	
when steering levers are in neutral position.	need adjustment.		

TROUBLESHOOTING			
Problem	Probable Cause	Correction	
	Mower blades not level or mower deck pitch is incorrect.	Level and adjust pitch of mower deck. See <i>Level and Pitch Mower Deck</i> on page 30.	
Poor cutting	Mower blades are dull or faulty.	Sharpen or replace mower blades. See Sharpen Blades on page 17.	
quality.	Mowing speed is too fast.	Drive slower when cutting grass.	
	Belt tension or condition is poor.	Replace mower belts. See <i>Check Mower Belts</i> on page 19.	
	Cutting height is too low.	Do not set height of cut too low. For very tall grass, mow twice.	
Blades do not stop within 5 seconds.	Clutch brake plates worn.	Reverse clutch brake plates. See <i>Reverse</i> <i>Clutch Brake Plates</i> on page 28. If clutch brake plates have already been reversed, replace clutch.	

STORAGE

SHORT-TERM STORAGE

IMPORTANT: NEVER wash unit with highpressure water or store outdoors.

- 1. Allow unit to cool and clean with mild soap and water.
- Tighten all hardware to correct specifications.
- Inspect unit for visible signs of wear or damage. Repair as needed.
- 4. Prepare fuel system for storage.

NOTICE: Ariens recommends using a quality fuel stabilizer in all fuel. Gasoline left in the fuel system without a stabilizer, even for short periods of time, deteriorates and leaves gummy deposits in the system that may damage the carburetor and fuel hoses, filter and tank. For the best effectiveness, add stabilizer to all fuel containers whenever purchasing fuel. Add the stabilizer to the container before adding fuel.

- a. Add fuel stabilizer (see *Service Parts* on page 15) or equivalent according to manufacturer's instructions to the fuel tank and any fuel containers with remaining fuel.
- Run engine outdoors for at least 5 minutes to allow stabilizer to reach the carburetor.
- 5. Turn key to off position and remove from ignition.
- 6. Store unit in a cool, dry, protected area. DO NOT store unit outdoors.

LONG-TERM STORAGE

- 1. Perform short-term storage procedures.
- 2. Lubricate as directed in *Maintenance Schedule* on page 15.
- 3. Touch-up all scratched painted surfaces.
- Remove and charge battery as directed in *Install U1 Battery* on page 19. Store battery in a cool, dry, protected area.
- 5. Store unit in a cool, dry, protected area. DO NOT store unit outdoors.

START-OF-SEASON PREPARATION

- Before adding fuel for the first time after long-term storage, add fresh, stabilizertreated fuel to fuel tank and any fuel containers with remaining fuel.
- 2. Charge and install the battery.

ACCESSORIES

See your Ariens dealer for a complete list of compatible accessories and attachments for your unit.

Description	Part No.
Mulch Kit – 48"	79105700
Mulch Kit – 52"	79105800
Hitch Kit	79202300
Headlight Kit	79106800
Rollover Protection Structure (ROPS) Kit	89100900
Light Operator Seat Spring Kit	79107000
Seat Isolator Kit	79106900

	SPECIFIC	CATIONS			
Model Number	991324	991325	991326	991327	
Description	Apex 48 Side	Apex 48 Rear	Apex 52 Side	Apex 52 Rear	
	Discharge	Discharge	Discharge	Discharge	
Engine		Kawasak	i FR691V		
Engine Displacement – cm ³ (in ³)		726 (44.3)		
Maximum RPM – No Load	32	50	28	350	
Oil Capacity		Refer to eng	ine manual.		
Liquid or Air Cooled		A	ir		
Transmission					
Туре		Hydrosta			
Oil		15W-50 synth	netic motor oil		
Hydraulic Oil Filter		Ye	es		
Drive					
Forward Maximum – km/h (mph)		12.9	9 (8)		
Reverse Maximum – km/h (mph)		6.4	6.4 (4)		
Turning Radius	Zero				
Brakes	Parking				
Electrical	1				
Starter	Electric				
Battery	12 Volt 12A-190 CCA (U1 Replaceable)				
PTO (Power Take-off)		Electric PTO	Clutch / Brake		
Fuel					
Fuel Tank Capacity – Liter (gal)		19.3	(5.1)		
Туре	See Engine Manual				
Size and Weight					
Length – cm (in)		200.7	7 (79)		
Width – cm (in)	126.2 (49.67)	157.6 (62.03)	140.6 (55.35)	171.2 (67.38)	
Height – cm (in)		119.4	47)		
Weight – kg (lbs)	368.5	(812)	394.6 (870)	388.9 (857)	
Tires					
Front Tire Size – in		13 x	6.5-6		
Rear Tire Size – in	22 x 9.50-12				
Recommended Front Tire Pressure – kPa (psi)	137.9 – 172.4 (20 – 25)				
Recommended Rear Tire Pressure – kPa (psi)	103.4 – 124.1 (15 – 18)				
Mower Deck					
Cutting Height – cm (in)	3.8 – 12.7 (1.5 – 5.0)				
Cutting Height Increments	0.6 (0.3)				
Cutting Width – cm (in)	122	(48)		(52)	
Mower Deck Lift	Mechanical Pin Lock				

CE Sound and Vibration (Ref. EN ISO 5395-1:2013)				
Oper. Ear Sound Pressure (Lpa) in dB(A)	90 89			
Uncertainty in dB(A)	2.53	2.49	2.50	2.51
Measured Sound Power Level (Lwa) in dB(A)	104			
Uncertainty in dB(A)	1.19	1.10	1.00	1.12
Guaranteed Sound Power Level (Lwa) in dB(A)	105			
Vibration Measure (m/s ²) at Operator Hands	1.60	3.18	2.23	4.04
Uncertainty in m/s ²	0.80	1.59	1.12	2.02
Vibration Measure (m/s ²) at Operator Seat	0.62	0.86	0.55	0.87
Uncertainty in m/s ²	0.31	0.43	0.28	0.44



AriensCo warrants to the **original purchaser** that Ariens brand products purchased on or after 1/1/2022 will be free from defects in material and workmanship for the time period noted in the chart below. Equipment put to personal use around a single household or residence is considered "Residential Use." Equipment put to any business use (agricultural, commercial, or industrial) or used at multiple locations is considered "Commercial Use." If any product is rented or leased, then the duration of these warranties shall be 90 days after the date of purchase.

An authorized Ariens dealer will repair any defect in material or workmanship, and repair or replace any defective part, subject to the conditions, limitations and exclusions set forth herein. Such repair or replacement will be free of charge (labor and parts) to the original purchaser; except as noted below. Pick-up and delivery are at the owner's expense.

The warranty code is found on the model and serial number identification label on the unit.

Warranty Code	Product Group	Warranty Period
AA	Serialized Attachments	1 Year.
CH, CQ	Zenith Mowers	4 Years or 750 Hours.*
HD	LM-Series Walk-Behind Mowers	3 Years Residential Use. 90 Days Commercial Use.
HE	Edge Mowers	2 Years or 150 Hours.*
HF	Ikon-XD Mowers	3 Years or 300 Hours.*
HH	Apex Mowers	4 Years or 500 Hours.*
PA	921-Series Brushes	3 Years Residential Use. 90 Days Commercial Use.
PB	926-Series Brushes	3 Years Residential Use. 1 Year Commercial Use.
SA	Professional Sno-Thro	3 Years Residential Use. 1 Year Commercial Use.
SB	Compact, Deluxe and Platinum Sno-Thro and Path-Pro	3 Years Residential Use. 90 Days Commercial Use.
SC	S18	2 Years Residential Use. 90 Days Commercial Use.
SD	Deluxe and Platinum EFI Sno-Thro	3 Years Residential Use. 90 Days Commercial Use.
SE	920-Series Classic Sno-Thro, Crossover	3 Years Residential Use. 90 Days Commercial Use.

* Whichever comes first.

Special Extensions

The chart below details special **extensions** to warranty terms. Warranty terms are total time periods covered. If any product is rented or leased, there are no extensions to the 90-day warranty.

Warranty Code	Warranty Term Extension	Warranty Period
SA	Cast Iron Auger Gear Case	5 Years.
SB, SD	Cast Iron Auger Gear Case	5 Years Residential Use. 1 Year Commercial Use.



Exclusions and Limitations

The charts below detail special exclusions and limitations to this warranty.

Warranty Term Exclusions	Warranty Period
Air filters, auger paddles, brake arms, brake linings, brake shoes, brushes, cutters, fuel filters, headlights, knives, light bulbs, lubricants, mower blades, oil, oil filters, spark plugs, scraper blades, shear bolts and skid shoes.	Components are not covered under warranty.

Hydro-Gear Transaxle Limitation

See Hydro-Gear warranty. The warranty is administrated by AriensCo. Refer to https://www.ariens.com/en-eu for warranty statement.

Warranty Term Limitations	Warranty Period	
Cloth, Plastic and Rubber Components. Mufflers, Tires and Belts.	Components are covered for manufacturer's defect only, not wear.	

Exclusions – Items Not Covered by This Warranty

- Parts that are not genuine Ariens service parts are not covered by this warranty and may void the warranty if the parts result in premature wear or damage to the product.
- Damages resulting from the installation or use of any part, accessory, or attachment which is not approved by AriensCo for use with product(s) identified herein are not covered by this warranty.
- Any misuse, alteration, improper assembly, improper adjustment, neglect, or accident which requires repair is not covered by this warranty.
- Repairs or adjustments required due to failure to use fresh fuel or failure to properly prepare the unit for periods of non-use.
- · Use of gasoline blends exceeding 10% ethanol voids any and all warranties.
- Any tampering with the hour meter voids any and all warranties.
- Products are designed to the specifications in the area that the product was originally distributed. Different areas may have significantly different legal and design requirements. This warranty is limited to the requirements in the area in which the unit was originally distributed. AriensCo does not warrant this product to the requirements of any other area. Warranty service is limited to service within the area originally distributed.
- In countries other than the United States and Canada, contact the AriensCo dealer for warranty policies that govern within your country. Rights may vary from country to country and within any one country.

Evaporative Emissions Control Warranty Exception

As required by the California Air Resources Board (CARB) and the US Environmental Protection Agency (EPA) the evaporative emissions control system is warranted to the ultimate purchaser, and any subsequent owner, for two years.

The CARB and EPA evaporative emissions control system warranty is described in a separate evaporative emission control warranty statement.

Battery Warranty

Battery warranty is one year. Units used for rental or lease have no exceptions to the 90-day warranty. Total battery claim reimbursement will not exceed 32.50 GBP.



Engines

The chart below details engine warranty information. Engine warranty terms may vary from the specific terms of this warranty. If inconsistent, the terms of the engine warranty shall apply to the engine and its component parts.

Engine Manufacturer	Detail	
Ariens AX	Ariens-branded engines are warranted by the manufacturer and the warranty is administrated by AriensCo. Refer to the engine manual or https://www.ariens.com/en-eu for warranty statements.	
Briggs & Stratton, Kawasaki, Kohler	Covered by the engine manufacturer's warranty. Refer to the engine manufacturer's warranty statements.	

Parts and Accessories

Service replacement parts and non-serialized accessories are warranted for 90 days from date of purchase. Labor is not included.

Customer Responsibilities

Register the product immediately at the time of sale. If the dealer does not register the product, the customer must register the unit on-line at https://www.ariens.com/en-eu/registration.

To obtain warranty service, the original purchaser must:

- Ensure that the maintenance and adjustments explained in the Operator's Manual are routinely completed.
- · Promptly notify AriensCo or an authorized Ariens service representative of the need for warranty service.
- Transport the product to and from the place of warranty service at owner's expense.
- · Have the warranty service performed by an authorized Ariens service representative.

To find an authorized dealer use the dealer locator on our websites, or contact us by mail or phone.

Globally (Except Australia or New Zealand):	Australia:	New Zealand:
Ariens Company Ltd Great Haseley Oxford OX44 7PF Phone: (+44) 1844 278 800 www.ariens.com/en-eu/dealer-locator	Masport Australia Pty Ltd 27 Commercial Drive Dandenong South Victoria 3175 Australia Phone: 1300 366 225 www.masport.com.au	Masport Ltd 320 Ti Rakau Drive East Tamaki Auckland 2013 New Zealand Phone: 0800 627 7678 www.masport.co.nz



Disclaimer

AriensCo may from time to time change the design of its products. Nothing contained in this warranty shall be construed as obligating the AriensCo to incorporate such design changes into previously manufactured products, nor shall such changes be construed as an admission that previous designs were defective.

Limitation of Remedy and Damages

AriensCo liability under this warranty, and under any implied warranty that may exist, is limited to repair of any defect in workmanship, and repair or replacement of any defective part. AriensCo shall not be liable for incidental, special, or consequential damages (including lost profits). Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

AriensCo shall not be held liable for damages, including premature wear and tear, or injuries caused by installation of unauthorized parts and accessories or for parts and accessories not installed by an authorized Ariens dealer.

Australian Consumer Law

The following applies solely to warranties subject to Subsection 102(1) of the Australian Consumer Law: Our goods come with guarantees that cannot be excluded by the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

Disclaimer of Further Warranty

AriensCo makes no warranty, express or implied, other than what is expressly made in this warranty. If the law of your state provides that an implied warranty of merchantability, or an implied warranty of fitness for particular purpose, or any other implied warranty, applies to AriensCo, then any such implied warranty is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from region to region.





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