

GUIDE D'INSTALLATION DE PISTONS ET SEGMENTS

Pistons coulés de haute performance. Fabriqués conformément aux spécifications des fabricants d'équipement d'origine, toutes les composantes individuelles s'interchangent avec les pièces originales. Conçus pour obtenir le meilleur transfert possible de chaleur de la chambre de combustion aux parois du cylindre.

PIÈCES DE REMPLACEMENT :

- Les ensembles de segment(s) sont complets pour 1 piston.
- Les pinces de retenue (deux (2) par emballage) sont complètes pour un (1) piston et sont vendues à la paire.
- Les numéros des pièces de remplacement suggérés pour les roulements à aiguilles sont fournis pour des fins de référence rapide seulement. Les roulements à aiguilles sont vendus à l'unité.

Tous les ensembles de piston complet Jolautim comprennent : le piston, le(s) segment(s) du piston, l'axe et les pinces de retenue.

Ce guide est conçu pour être utilisé par un mécanicien d'expérience seulement et ne devrait pas servir d'unique source d'instructions lors de l'installation d'un nouveau piston.

ÉTAPE PRÉLIMINAIRE

Si le vieux piston a subi une rupture, en déterminer la cause et effectuer la réparation nécessaire avant d'installer un nouveau piston. Les fuites d'air et /ou un mélange pauvre en carburants sont les deux principaux responsables du grillage des pistons. Si une partie du piston est cassée ou grillée de part en part, démonter le carter du moteur et le vidanger soigneusement pour enlever tous débris.

APPRÊT DU CYLINDRE - Chemises en fonte

Mesurer le cylindre pour déterminer s'il y a conicité et /ou ovalisation. Toute différence de plus de .003" entre le plus petit et le plus grand diamètre nécessite un alésage. Si le cylindre est en bonne condition, le dépolir à l'aide de pierre à grains #220 ou 300. Un fini à hachures croisées à 60° est recommandé afin d'assurer une bonne étanchéité des segments.

APPRÊT DU CYLINDRE - Chromé, NIKASIL ou électrofusion.

Mesurer le cylindre pour déterminer s'il y a conicité et /ou ovalisation. Ces modèles ne pouvant être alésés, toute différence de plus de .003" entre le plus petit et le plus grand diamètre nécessite un regarnissage avec chemise en fonte, ou un remplacement. Si le cylindre est en bonne condition, le dépolir à l'aide de pierre à grains #500.

APPRÊT DE LA FENÊTRE DU CYLINDRE

Afin d'éviter le bris de segments, chanfreiner toutes les arêtes horizontales des fenêtres jusqu'à l'obtention d'un rayon de 3/64". Utiliser une lime ronde ou des bandes de toile d'émeri.

INSTALLATION DES PISTONS ET SEGMENTS

Attention de ne jamais installer des segments chromés dans des cylindres chromés, Nikasil ou électrofusion. Avant l'installation, glisser chaque segment dans l'alésage du cylindre et mesurer l'écartement des extrémités afin d'éliminer les risques de butée des segments. Un écartement acceptable se situe entre .010" et .025". Si l'écartement est inadéquat, limer délicatement pour obtenir la mesure recommandée. Consulter le guide « Jeu cylindre /pistons ». Nettoyer et lubrifier toutes les pièces avec de l'huile à moteur 10W30. Installer le piston avec la flèche pointant vers l'échappement (sauf pour les modèles Polaris. La flèche doit alors pointer vers l'allumage). Poser les pinces de retenue soigneusement, sans les forcer, les plier et les tourner. S'assurer qu'elles siègent proprement dans les rainures et positionner les ouvertures vers le bas. Poser les segments sur les pistons correspondants. Lubrifier et vérifier si les extrémités peuvent se refermer complètement au niveau des chevilles de repérage. Poser le nouveau joint de base, compresser le segment et glisser le cylindre sur le piston. Avant d'installer la culasse, faire tourner le vilebrequin à la main afin de s'assurer que les pistons et les segments se déplacent librement dans les cylindres.

RODAGE

Les moteurs réusinés ne requièrent qu'une courte période de rodage. Pour les systèmes à injection d'huile, ajouter 1 :0 litre d'huile 2 temps 50 :1 aux premiers 23 litres d'essence. Pour les systèmes à prémélange, utiliser de l'huile 2 temps 20 :1 pour les premiers 23 litres de mélange huile /essence. Pour un rodage efficace, varier la vitesse en accélérant à plein régime pour une courte durée. Régler le carburateur pour obtenir un mélange air /essence riche et éviter de maintenir un bas régime ou un régime élevé trop long temps.

PISTON & RING INSTALLATION GUIDE

High performance cast pistons. Manufactured to OEM specifications. All individual components will interchange with original parts. Engineered for the best possible heat transfer from combustion chamber to cylinder wall.

REPLACEMENT PARTS :

- Ring sets are replacement for one (1) piston.
- Circlips (two (2) per bag) are replacement for one (1) piston and are sold by the pair.
- Needle bearings suggested replacement part #'s are supplied for quick reference purposes only. Needle bearings are sold individually.

All Jolautim complete piston kits include the piston, the piston ring(s), the wrist pin and the circlips.

The following guide is intended for experienced mechanics and should not be the only reference for installing a new piston.

PRELIMINARY WORK

If the old piston has failed, determine the cause and remedy the problem before replacing. Air leaks and/or lean fuel mixture are the two biggest causes of burned pistons. In cases where any part of the old piston is broken or burned through, the crankcase should be disassembled and thoroughly flushed of any debris.

CYLINDER PREPARATION - Cast Iron Liners

Measure cylinder for taper and out-of-roundness. Any measured difference of more than .003" (smallest cylinder diameter to largest) would indicate re-boring is necessary. Hone good condition cylinder with #220 or 300 grit stones to de-glaze. A 60° cross-hatch pattern is the recommended finish to insure proper ring sealing.

CYLINDER PREPARATION - Chrome, NIKASIL or Electrofusion liners

Measure cylinder for taper and out-of-roundness. These models cannot be re-bored. If a measured difference of more than .003" exists between smallest and largest cylinder diameter, the cylinder must be replaced or sleeved with a cast iron liner. Hone good condition cylinder with #500 grit stones.

PORT OPENING PREPARATION

To prevent ring breakage, all horizontal port edges must be chamfered until a minimum 3/64" radius is produced. The best method is to pull strips of emery cloth through the ports or use a round file.

PISTON AND RING INSTALLATION

Remember never install chrome rings in chrome plated, Nikasil or electrofusion cylinders. Prior to installation, fit each ring into the cylinder bore and measure the end gap to eliminate the chance of ring butting. See « Piston Clearance Guide ». Clean and lubricate all moving parts with 10W30 oil. Install pistons with the arrow pointing to the exhaust side of the engine (except for Polaris where the arrow points toward the magneto side). Install circlips carefully without forcing, bending or turning them. Be sure they seat properly in the grooves and position the opening down. Install rings onto matching pistons. Lubricate and check to be sure the end gaps can be completely closed around the locating pins. Install new gaskets, compress rings and carefully slide the cylinders down into position. Before installing the cylinder heads, rotate the crankshaft by hand to make sure pistons and rings move freely into cylinder.

BREAK-IN PROCEDURE

Overhauled snowmobile engines require a short break-in period. For oil-injected machines, add a pint of 50 :1 two-cycle engine oil to the first 5 gallons, running the pre-mix in conjunction with the oil injection system. For pre-mix system, use 20 :1 oil ratio with the first 5 gallons of mix. For good engine break-in, set carburetor to rich mixture, avoid sustained high or low RPM operation, vary the driving speed and briefly accelerate at full throttle.

Les ensembles de piston complet WSM comprennent: le piston, le(s) segment(s) de piston, l'axe de retenue et les pinces de retenue.

WSM complete piston kits include: the piston, the piston ring(s), the wrist pin and the circlips.

Les pinces de retenue (2 par emballage) sont complètes pour 1 piston. Enlever et installer les pinces de retenues soigneusement sans les forcer, les plier ou les tourner. S'assurer qu'elles siègent adéquatement dans les rainures et positionner les ouvertures vers le bas.

Piston Circlips (2 per bag) are replacement for 1 piston. Remove and install circlips carefully without forcing, bending or turning them. Be sure that they seat properly in the grooves and position the openings down.



Pistons VTT 2 temps / 2 stroke ATV Pistons

<u>Pistons VTT 2 temps / 2 stroke ATV Pistons</u>				<u>Pièces de remplacement / Replacement parts</u>		
Modèle / Model	Année / Year	# Origine / OEM #	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
HONDA						
TRX 250R	1986	13101-HB9-305	Standard	50-205	51-205	35-205
			.010" .25mm	50-205-4	51-205-4	
			.020" .50mm	50-205-5	51-205-5	
			.030" .75mm	50-205-6	51-205-6	
			.040" 1mm	50-205-7	51-205-7	
TRX 250R	1987-89	13101-HA2-772	Standard	50-210	51-210	35-205
			.010" .25mm	50-210-4	51-210-4	
			.020" .50mm	50-210-5	51-210-5	
			.030" .75mm	50-210-6	51-210-6	
			.040" 1mm	50-210-7	51-210-7	
POLARIS						
250	Tous / All	3083942	Standard	50-300	51-300	010-115
			.010" .25mm	---	51-300-4	
			.020" .50mm	---	51-300-5	
			.030" .75mm	---	51-300-6	
			.040" 1mm	---	51-300-7	
SÉRIE PLATINE / PLATINUM SERIES						
250	Tous / All	3083942	Standard	50-300P	51-300	010-115
			.010" .25mm	50-300-4P	51-300-4	
			.020" .50mm	50-300-5P	51-300-5	
			.030" .75mm	50-300-6P	51-300-6	
			.040" 1mm	50-300-7P	51-300-7	

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Pistons VTT 2 temps / 2 stroke ATV Pistons				Pièces de remplacement / Replacement parts		
Modèle / Model	Année / Year	# Origine / OEM #	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
POLARIS						
SÉRIE PLATINE / PLATINUM SERIES						
300	1994-2000	3085894	Standard	50-310P	51-310	---
			.010" .25mm	50-310-4P	51-310-4	
			.020" .50mm	50-310-5P	51-310-5	
			.030" .75mm	50-310-6P	51-310-6	
			.040" 1mm	50-310-7P	51-310-7	
400	1994-96	---	Standard	---	51-305	35-200
			.010" .25mm	---	51-305-4	
			.020" .5mm	---	51-305-5	
			.030" .75mm	50-305-6	51-305-6	
			.040" 1mm	---	51-305-7	
SÉRIE PLATINE / PLATINUM SERIES						
400	1994-96	---	Standard	50-305P	51-305	35-200
(Old Style Large Port Window)			.010" .25mm	50-305-4P	51-305-4	
			.020" .5mm	50-305-5P	51-305-5	
			.030" .75mm	50-305-6P	51-305-6	
			.040" 1mm	50-305-7P	51-305-7	
SÉRIE PLATINE / PLATINUM SERIES						
400	1997-2003	---	Standard	50-306P	51-306	35-200
(Newer Style Small Port Window)			.010" .25mm	50-306-4P	51-306-4	
			.020" .5mm	50-306-5P	51-306-5	
			.030" .75mm	50-306-6P	51-306-6	
			.040" 1mm	50-306-7P	51-306-7	
SUZUKI						
LT 250	1988-92	---	Standard	---	51-600	35-200
			.010" .25mm	50-600-4	51-600-4	
			.020" .5mm	50-600-5	51-600-5	
			.030" .75mm	50-600-6	51-600-6	
			.040" 1mm	---	51-600-7	
LT 500	1988-92	---	Standard	50-605	51-605	35-200
			.010" .25mm	50-605-4	51-605-4	
			.020" .5mm	50-605-5	51-605-5	
			.030" .75mm	50-605-6	51-605-6	
			.040" 1mm	50-605-7	51-605-7	

Les ensembles de piston complet WSM comprennent: le piston, le(s) segment(s) de piston, l'axe de retenue et les pinces de retenue.

WSM complete piston kits include: the piston, the piston ring(s), the wrist pin and the circlips.

Pistons VTT 2 temps / 2 stroke ATV Pistons				Pièces de remplacement / Replacement parts		
Modèle /Model	Année /Year	# Origine /OEM #	Grandeur / Size	Ensemble de piston /Piston kit	Ensemble de segment /Ring set(s)	Roulement à aiguille / Needle bearing
YAMAHA						
YFS Blaster	Tous / All	2XJ-11631-01-97	Standard	---	51-530	35-520
			.010" .25mm	---	51-530-4	
			.020" .5mm	---	51-530-5	
			.030" .75mm	50-530-6	51-530-6	
			.040" 1mm	---	51-530-7	
SÉRIE PLATINE / PLATINUM SERIES						
YFS Blaster	Tous / All	2XJ-11631-01-97	Standard	50-530P	51-530	35-520
			.010" .25mm	50-530-4P	51-530-4	
			.020" .5mm	50-530-5P	51-530-5	
			.030" .75mm	50-530-6P	51-530-6	
			.040" 1mm	50-530-7P	51-530-7	
SÉRIE PLATINE / PLATINUM SERIES						
YFZ 350T Banshee	Toutes / All	2GU-11631-00-94	Standard	50-520P	51-520	35-520
			.010" .25mm	50-520-4P	51-520-4	
			.020" .5mm	50-520-5P	51-520-5	
			.030" .75mm	50-520-6P	51-520-6	
			.040" 1mm	50-520-7P	51-520-7	

ENSEMBLES COMPLETS POUR TÊTE DE MOTEUR TOP END ENGINE REBUILD KITS

L'ensemble comprend : le piston complet, tous les joints d'étanchéité nécessaires et les roulements à aiguilles du haut.

This kit includes : complete piston kit, all gaskets needed and upper end needle bearings.

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Modèle / Model	Année / Year	Grandeur / Size	# Pièce / Part #
HONDA			
TRX 250R	1986	Standard	54-205-10
		.010" .25mm	54-205-11
		.020" .5mm	54-205-12
		.030" .75mm	54-205-13
		.040" 1mm	54-205-14
TRX 250R	1987-89	Standard	54-210-10
		.010" .25mm	54-210-11
		.020" .5mm	54-210-12
		.030" .75mm	54-210-13
		.040" 1mm	54-210-14
SÉRIES PLATINE / PLATINUM SERIES			
250	Tous / All	Standard	54-300-10P
		.010" .25mm	54-300-11P
		.020" .5mm	54-300-12P
		.030" .75mm	54-300-13P
		.040" 1mm	54-300-14P
300	---	Standard	54-310-10P
		.010" .25mm	54-310-11P
		.020" .5mm	54-310-12P
		.030" .75mm	54-310-13P
		.040" 1mm	54-310-14P
400	---	Standard	54-305-10P
		.010" .25mm	54-305-11P
		.020" .5mm	54-305-12P
		.030" .75mm	54-305-13P
		.040" 1mm	54-305-14P
SUZUKI			
LT 250	1988-92	Standard	54-600-10
		.010" .25mm	54-600-11
		.020" .5mm	54-600-12
		.030" .75mm	54-600-13
		.040" 1mm	54-600-14
LT 500	1988-92	Standard	54-605-10
		.010" .25mm	54-605-11
		.020" .5mm	54-605-12
		.030" .75mm	54-605-13
		.040" 1mm	54-605-14



ENSEMBLES COMPLETS POUR TÊTE DE MOTEUR
TOP END ENGINE REBUILD KITS

54-520

Modèle / Model	Année / Year	Grandeur / Size	# Pièce / Part #
YAMAHA			
SÉRIES PLATINE / PLATINUM SERIES			
YFS Blaster	Tous / All	Standard	54-530-10P
		.010" .25mm	54-530-11P
		.020" .5mm	54-530-12P
		.030" .75mm	54-530-13P
		.040" 1mm	54-530-14P
SÉRIES PLATINE / PLATINUM SERIES			
YFZ 350T Banshee	---	Standard	54-520-10P
		.010" .25mm	54-520-11P
		.020" .5mm	54-520-12P
		.030" .75mm	54-520-13P
		.040" 1mm	54-520-14P



POUR RÉFÉRENCES SEULEMENT / FOR REFERENCE ONLY :

JEU ENTRE LA PAROI DU CYLINDRE ET LE PISTON POUR TOUS LES PISTONS PWC
PISTON TO CYLINDER WALL CLEARANCE FOR PWC PISTONS

MODÈLE / MODEL	JEU / CLEARANCE
HONDA	
TRX 250, TRX 250R	.003 - .0035
POLARIS	
250	.0025 - .004
400	.003 - .004
SUZUKI	
LT 250, LT 500	.0035 - .004
TIGER SHARK	
Tous / All	.004 - .0045
YAMAHA	
Blaster	.0028 - .0035
Banshee	.003 - .0035

CHARTE DE L'ÉCARTEMENT DES BORDS DE SEGMENT / RING END GAP CHART

# SEGMENT / RING #	ÉCARTEMENT / GAP
HONDA	
TRX 250, TRX 250R	.010 - .020
POLARIS	
250, 400	.009 - .018
SUZUKI	
LT 250, LT 500	.010 -.020
YAMAHA	
Blaster	.008 - .014
Banshee	.010 - .018

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l'axe de retenue et les pinces de retenue.**

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Les pinces de retenue (2 par emballage) sont complètes pour 1 piston. Enlever et installer les pinces de retenues soigneusement sans les forcer, les plier ou les tourner. S'assurer qu'elles siègent adéquatement dans les rainures et positionner les ouvertures vers le bas.

Piston Circlips (2 per bag) are replacement for 1 piston. Remove and install circlips carefully without forcing, bending or turning them. Be sure that they seat properly in the grooves and position the openings down.



Pistons VTT 4 temps / 4 stroke ATV Pistons

<u>Pistons VTT 4 temps / 4 stroke ATV Pistons</u>				Pièces de remplacement / Replacement parts		
Modèle /Model	Année /Year	Alésage / Bore	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
HONDA						
TRX 90	1993-2006	47mm	Standard	50-217	51-217	---
			.020" .50mm	50-217-05	51-217-05	
			.040" 1mm	50-217-07	51-217-07	
ATC 200 E, ES, M, S	1981-85	65mm	Standard	50-221	51-221	---
TRX 200	1981-85		.010" .25mm	50-221-04	51-221-04	
			.020" .50mm	50-221-05	51-221-05	
			.030" .75mm	50-221-06	51-221-06	
			.040" 1mm	50-221-07	51-221-07	
ATC 200X	1983-87	65mm	Standard	50-222	51-221	---
			.010" .25mm	50-222-04	51-221-04	
			.020" .50mm	50-222-05	51-221-05	
			.030" .75mm	50-222-06	51-221-06	
			.040" 1mm	50-222-07	51-221-07	
TRX 200 SX	1986-88	65mm	Standard	50-216	51-216	---
TRX 200	1990-96		.020" .50mm	50-216-06	51-216-05	
			.040" 1mm	50-216-07	51-216-07	
AT250 ES	1985-87	66mm	Standard	50-224	51-224	---
ATC 250 SX	1985-87		.010" .25mm	50-224-04	51-224-04	
TRX 250	1985-87		.020" .50mm	50-224-05	51-224-05	
			.030" .75mm	50-224-06	51-224-06	
			.040" 1mm	50-224-07	51-224-07	
TRX 250	1997-2001	70mm	Standard	50-225	51-225	---
			.010" .25mm	50-225-04	51-225-04	
			.020" .50mm	50-225-05	51-225-05	
			.030" .75mm	50-225-06	51-225-06	
			.040" 1mm	50-225-07	51-225-07	

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Pistons VTT 4 temps / 4 stroke ATV Pistons

Pièces de remplacement / Replacement parts

Modèle /Model	Année /Year	Alésage / Bore	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
HONDA						
TRX 250	2002-05	69mm	Standard	50-229	---	---
TRX 250 EX	2001-06		.010" .25mm	50-229-04	---	
			.020" .50mm	50-229-05	---	
			.030" .75mm	50-229-06	---	
			.040" 1mm	50-229-07	---	
TRX 300 EX	1993-2006	74mm	Standard	50-219	51-219	---
EXL/EXN	1998 (only)		.020" .50mm	50-219-05	51-219-05	
			.040" 1mm	50-219-07	51-219-07	
TRX 300 / FW	1988-2000	74mm	Standard	50-223	---	---
			.010" .25mm	50-223-04	---	
			.020" .50mm	50-223-05	--	
			.030" .75mm	50-223-06	---	
			.040" 1mm	50-223-07	---	
TRX 350	2000-06	81mm	Standard	50-226	51-226	---
			.010" .25mm	50-226-04	51-226-04	
			.020" .50mm	50-226-05	51-226-05	
			.030" .75mm	50-226-06	51-226-06	
			.040" 1mm	50-226-07	51-226-07	
TRX 400 / FW	1995-2003	86mm	Standard	50-220	51-220	---
			.010" .25mm	50-220-04	51-220-04	
			.020" .50mm	50-220-05	51-220-05	
			.030" .75mm	50-220-06	51-220-06	
			.040" 1mm	50-220-07	51-220-07	
TRX 400 EX	1999-2002	85mm	Standard	50-228	51-228	---
Sport Trax	2003-06		.010 » .25mm	50-228-04	51-228-04	
			.020 » .50mm	50-228-05	51-228-05	
			.030 » .75mm	50-228-06	51-228-06	
			.040 » 1mm	50-228-07	51-228-07	
TRX 450 ES/S	1998-2004	90mm	Standard	50-227	51-227	---
			.010" .25mm	50-227-04	51-227-04	
			.020" .50mm	50-227-05	51-227-05	
			.030" .75mm	50-227-06	51-227-06	
			.040" 1mm	50-227-07	51-227-07	

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Pistons VTT 4 temps / 4 stroke ATV Pistons

Pièces de remplacement / Replacement parts

Modèle /Model	Année /Year	Alésage / Bore	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
HONDA						
TRX 500	2001-06	92mm	Standard	50-218	51-218	---
			.020" .50mm	50-218-05	51-218-05	
			.040" 1mm	50-218-07	51-218-07	
KAWASAKI						
KLF 220 Bayou	1988-2002	67mm	Standard	50-250	51-250	---
			.010" .25mm	50-250-04	51-250-04	
			.020" .50mm	50-250-05	51-250-05	
			.030" .75mm	50-250-06	51-250-06	
			.040" 1mm	50-250-07	51-250-07	
KSF 250 Mojave	1987-2004	74mm	Standard	50-257	---	---
			.020" .50mm	50-257-05	---	
			.040" 1mm	50-257-07	---	
KLF 250	2003-05	72mm	Standard	50-252	51-252	---
			.010" .25mm	50-252-04	51-252-04	
			.020" .50mm	50-252-05	51-252-05	
			.030" .75mm	50-252-06	51-252-06	
			.040" 1mm	50-252-07	51-252-07	
KEF 300 Lakota	1995-2003	76mm	Standard	50-255	51-255	---
KLF 300 Bayou	1989-2004		.010" .25mm	50-255-04	51-255-04	
KVF 300 Prairie	1999-2002		.020" .50mm	50-255-05	51-255-05	
			.030" .75mm	50-255-06	51-255-06	
			.040" 1mm	50-255-07	51-255-07	
KVF 360 / 4x4	2003-05	80mm	Standard	50-253	---	---
			.010" .25mm	50-253-04	---	
			.020" .50mm	50-253-05	---	
			.030" .75mm	50-253-06	---	
			.040" 1mm	50-253-07	---	

Les ensembles de piston complet WSM comprennent: le piston, le(s) segment(s) de piston, l'axe de retenue et les pinces de retenue.

WSM complete piston kits include: the piston, the piston ring(s), the wrist pin and the circlips.



Pistons VTT 4 temps / 4 stroke ATV Pistons

Pièces de remplacement / Replacement parts

Modèle /Model	Année /Year	Alésage / Bore	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
SUZUKI						
LT 230E/GE	1985-93	66mm	Standard	50-400	51-400	---
LTF 230	1986-87		.010" .25mm	50-400-04	51-400-04	
LT4WD	1987-98		.020" .50mm	50-400-05	51-400-05	
LTF 250	1989-2002		.030" .75mm	50-400-06	51-400-06	
			.040" » 1mm	50-400-07	51-400-07	
LTF 300 F	1999-2002	69mm	Standard	50-401	51-401	---
LTF4WDX	1991-98		.010" .25mm	50-401-04	51-401-04	
			.020" .50mm	50-401-05	51-401-05	
			.030" .75mm	50-401-06	51-401-06	
			.040" 1mm	50-401-07	51-401-07	
LTF 400 F	2003-05	82mm	Standard	50-402	51-402	---
			.010" .25mm	50-402-04	51-402-04	
			.020" .50mm	50-402-05	51-402-05	
			.030" .75mm	50-402-06	51-402-06	
			.040" 1mm	50-402-07	51-402-07	
YAMAHA						
YFM 80	1985-88	47mm	Standard	50-536	51-536	---
YFM 80	1992-2007		.010" .25mm	50-536-04	51-536-04	
			.020" .50mm	50-536-05	51-536-05	
			.030" .75mm	50-536-06	51-536-06	
			.040" 1mm	50-536-07	51-536-07	
YFA1 Breeze	1989/ 91-04	49mm	Standard	50-545	51-545	---
			.020" .50mm	50-545-05	51-545-05	
			.040" 1mm	50-545-07	51-545-07	
YFM 225	1986-88	70mm	Standard	50-538	51-538	---
YTM 225 DR/DX	1983-86		.010" .25mm	50-538-04	51-538-04	
			.020" .50mm	50-538-05	51-538-05	
			.030" .75mm	50-538-06	50-538-06	
			.040" 1mm	50-538-07	50-538-07	
YFB 250F/U Timber.	1992-2000	71mm	Standard	50-535	51-535	---
YFM 250B/25B Bruin	2004-07		.010" .25mm	50-535-04	51-535-04	
YFM 250X Beartracker	1999-2003		.020" .50mm	50-535-05	51-535-05	
			.030" .75mm	50-535-06	51-535-06	
			.040" 1mm	50-535-07	51-535-07	

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Pistons VTT 4 temps / 4 stroke ATV Pistons

Pièces de remplacement / Replacement parts

Modèle /Model	Année /Year	Alésage / Bore	Grandeur / Size	Ensemble de piston / Piston kit	Ensemble de segment / Ring set(s)	Roulement à aiguille / Needle bearing
YAMAHA						
YFM 350ER	1987-90	83mm	Standard	50-540	51-540	---
YFM 350ER	1992-95		.010" .25mm	50-540-04	51-540-04	
YFM 350FW	1987-97		.020" .50mm	50-540-05	51-540-05	
YFM 350FX/X	1987-2005		.030" .75mm	50-540-06	51-540-06	
YFM 350 U	1996-99		.040" 1mm	50-540-07	50-540-07	
YFM 350F	1999					
YFM 400A Kodiak	2000-06	83mm	Standard	50-543	51-543	---
			.010" .25mm	50-543-04	51-543-04	
			.020" .50mm	50-543-05	51-543-05	
			.030" .75mm	50-543-06	51-543-06	
			.040" 1mm	50-543-07	51-543-07	
YFM 400 F/FW Kodiak	1993-2001	83mm	Standard	50-541	51-540	---
Big Bear	2000-06		.010" .25mm	50-541-04	51-540-04	
			.020" .50mm	50-541-05	51-540-05	
			.030" .75mm	50-541-06	51-540-06	
			.040" 1mm	50-541-07	50-540-07	
YFM 600	1998-2001	95mm	Standard	50-542	51-542	---
			.010" .25mm	50-542-04	51-542-04	
			.020" .50mm	50-542-05	51-542-05	
			.030" .75mm	50-542-06	51-542-06	
			.040" 1mm	50-542-07	51-542-07	
YFM 660F Grizzly	2002-04	100mm	Standard	50-544	51-544	---
YFM 660R Raptor	2001-05		.020" .50mm	50-544-05	51-544-05	
YFM66FA Grizzly	2005-06		.040" 1mm	50-544-07	51-544-07	
YFM66FA Rhino	2004-06					



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ATV PISTONS VTT				Pièces de remplacement / Replacement parts		
Modèle /Model	Année Year	Alésage BORE	Grandeur / Size	Ensemble de piston Piston kit	Ensemble de segment Ring set(s)	Roulement à aiguille / Needle bearing
ARCTIC CAT						
400 DVX	2004-07	90mm	Standard	NA30002	---	---
			.020" .50mm	NA30002-2	---	
			.040" 1mm	NA30002-4	---	
HONDA						
Recon 230	2002-04	68.4mm	Standard	NA10026	---	---
			.020" .50mm	NA10026-2	---	
Sportrax 250	2001-04	68.4mm	Standard	NA10025	---	---
TRX250 Recon	1997-2001		.020" .50mm	NA10025-2	---	
TRX250 EX Sportrax	2003-08	68.4mm	Standard	NA10026	---	---
TRX230/250 Recon	2002-09		.020" .50mm	NA10026-2	---	
			.040" 1mm	NA10026-4	---	
TRX300/FW	1988-2000	74mm	Standard	NA10002	---	---
			.020" .50mm	NA10002-2	---	
			.040" 1mm	NA10002-4	---	
TRX300EX	1992-2008	74mm	Standard	NA10005*	---	---
			.020" .50mm	NA10005-2*	---	
			.040" 1mm	NA10005-4*	---	
TRX300EX (330cc)	1992-2008	74mm	Standard	NA10010	---	---
11.5 :1 Hi Compression						
TRX350 Rancher	1999-2006	78.5mm	Standard	NA10007	---	---
			.020" .50mm	NA10007-2	---	
			.040" 1mm	NA10007-4	---	
TRX400EX	1999-2008	85mm	Standard	NA10003	---	---
11:1 Hi-Compression				.020" .50mm	NA10003-2	---
			.040" 1mm	NA10003-4	---	
TRX400EX (440cc)	1999-2008	85mm	Standard	NA10004	---	---
11:1 Hi-Compression						
TRX400 Foreman 4x4	1995-2004	86mm	Standard	NA10001	---	---
			.020" .50mm	NA10001-2	---	
			.040" 1mm	NA10001-4	---	

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ATV PISTONS VTT

ATV PISTONS VTT				Pièces de remplacement / Replacement parts		
Modèle /Model	Année /Year	Alésage /BORE	Grandeur /Size	Ensemble de piston /Piston kit	Ensemble de segment /Ring set(s)	Roulement à aiguille / Needle bearing
HONDA						
TRX450 Foreman S/SE	1998-2003	90mm	Standard	NA10000	---	---
			.020" .50mm	NA10000-2	---	
			.040" 1mm	NA10000-4	---	
TRX450R Sportrax	2004-05	92mm	Standard	NA10045	---	---
10.2 :1 Compression			.020" .50mm	NA10045-2	---	
			.040" 1mm	NA10045-4	---	
TRX500 Rubicon	2001-09	92mm	Standard	NA10008	---	---
			.020" .50mm	NA10008-2	---	
			.040" 1mm	NA10008-4	---	
TRX650 Rincon	2003-05	100mm	Standard	NA10009*	---	---
			.020" .50mm	NA10009-2*	---	
			.040" 1mm	NA10009-4*	---	
KAWASAKI						
KLF220 Bayou	1988-2003	67mm	Standard	NA20001	---	---
			.020" .50mm	NA20001-2	---	
			.040" 1mm	NA20001-4	---	
KSF250 Mojave	1987-2005	74mm	Standard	NA20002	---	---
			.020" .50mm	NA20002-2	---	
			.040" 1mm	NA20002-4	---	
KLF300 Bayou	1986-2004	76mm	Standard	NA20000	---	---
KEF300 Lakota	2002-04		.020" .50mm	NA20000-2	---	
KVF300 Prairie	1986-2002		.040" 1mm	NA20000-4	---	
KFX400	2003-06	90mm	Standard	NA30002	---	---
Nikasil Bore			.020" .50mm	NA30002-2	---	
			.040" 1mm	NA30002-4	---	

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ATV PISTONS VTT				Pièces de remplacement / Replacement parts		
Modèle /Model	Année Year	Alésage BORE	Grandeur / Size	Ensemble de piston Piston kit	Ensemble de segment Ring set(s)	Roulement à aiguille / Needle bearing
POLARIS						
350L Trail Boss	1990-94	80mm	Standard	NA50001	---	---
			.020" .50mm	NA50001-2	---	
			.040" 1mm	NA50001-4	---	
500 Xplorer/Magnum	1996-2003	92mm	Standard	NA50004	---	---
Sportsman/Scrambler	1996-2006		.020" .50mm	NA50004-2	---	
ATP500 H.O.	2004-05		.040" 1mm	NA50004-4	---	
Big Boss 6X6	1998-2000					
RMK 4X4	1999-2002					
Ranger 6X6	1999					
Predator 500	2003-07	99.2mm	Standard	NA50005	---	---
Outlaw 500	2006-07		.020" .50mm	NA50005-2	---	
SUZUKI						
LT230 / QuadSport	1985-94	66mm	Standard	NA30000	---	---
LT250 / QuadSport	1987-95		.020" .50mm	NA30000-2	---	
LTF250F	1999-2002		.040" 1mm	NA30000-4	---	
LT4WD 4X4	1987-1997					
LT300 King Quad	1991-2003	68.5mm	Standard	NA30001	---	---
			.020" .50mm	NA30001-2	---	
			.040" 1mm	NA30001-4	---	
LTZ400	2003-07	90mm	Standard	NA30002	---	---
			.020" .50mm	NA30002-4	---	
			.040" 1mm	NA30002-4	---	
YAMAHA						
YFM350X Warrior	1987-2004	83mm	Standard	NA40005	---	---
YFM350F/FW Big Bear	1987-99		.020" .50mm	NA40005-2	---	
YFM350U Big Bear	1996-2000		.040" 1mm	NA40005-4	---	
YFM350FX Wolverine	1995-2007					
YFM350ER Moto-4	1999					
Raptor 350	2005-06					

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Modèle /Model	Année /Year	Alésage /BORE	Grandeur /Size	Ensemble de piston /Piston kit	Ensemble de segment /Ring set(s)	Roulement à aiguille / Needle bearing
YAMAHA						
YFM400F/FW Kodiak	1993-99	83mm	Standard	NA40006	---	---
Big Bear 400	2000-07		.020" .50mm	NA40006-2	---	
			.040" 1mm	NA40006-4	---	
YFM400FW Kodiak	2000-06	84.5mm	Standard	NA40008	---	---
Grizzly 400 Auto	2007-08		.020" .50mm	NA40008-2	---	
YFZ450	2003-08	95mm	Standard	NA40009	---	---
YFM600F Grizzly	1998-2001	95mm	Standard	NA40007	---	---
			.020" .50mm	NA40007-2	---	
			.040" 1mm	NA40007-4	---	
YFM660R Raptor	2001-05	100mm	Standard	NA40004	---	---
YFM660F Grizzly	2002-07		.020" .50mm	NA40004-2	---	
Rhino 660	2004-06		.040" 1mm	NA40004-4	---	

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