

Product: Fiatallis Tool Manual(Supplement #6)

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Supplement-6/



Tool Manual Supplement #6

73128466

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4/88

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**TOOL MANUAL
SUPPLEMENT # 6
73128466**

4/88

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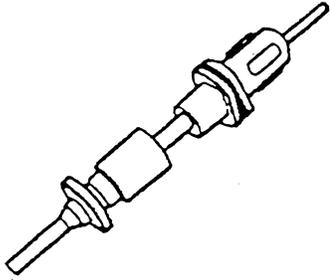
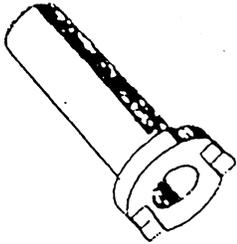
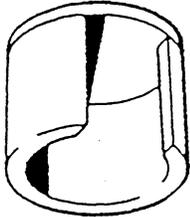
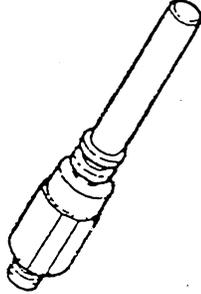
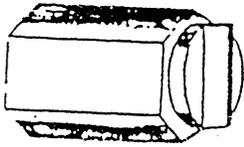
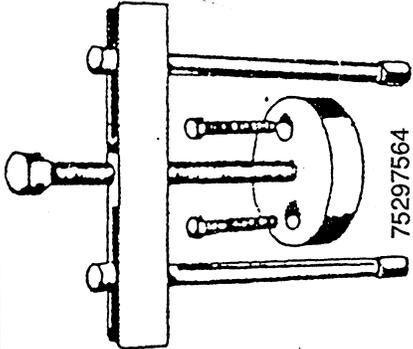
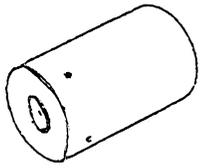
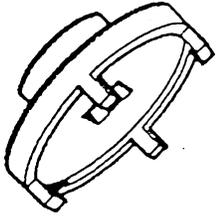
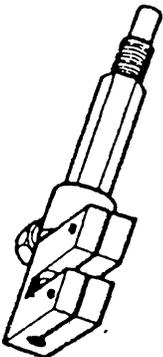
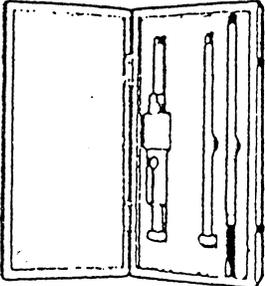
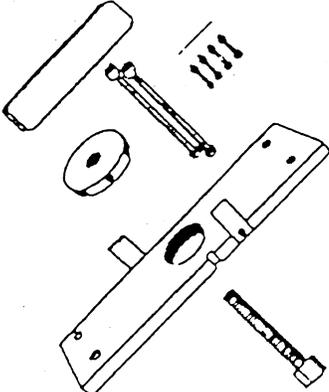
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Viale Torino, 2 - 10040 Stupinigi (TO) Italy

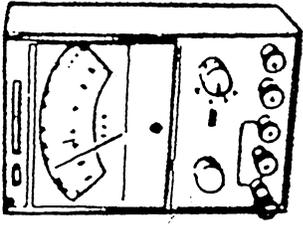
The following pages describe special tools used on the later model machines. Place the pages in the front of your tool manual and refer to these pages as needed. Note that the tools are in alphabetical as well as numerical order. Drawings of the tools can be found on the last two pages of this supplement.

Any product change described in this publication is part of the continuing effort of Fiatallis to make its product responsive to customer need and is not to be construed as a field campaign. A product change may be incorporated with or without prior notice and without obligation to Fiatallis or its affiliates.

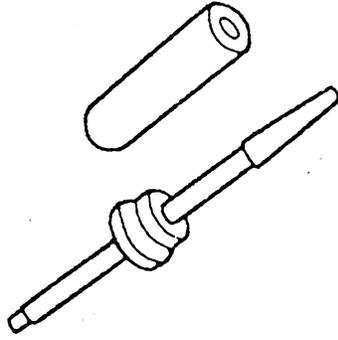
PART #	DESCRIPTION	MODEL USAGE
75290774	Pre-travel tester	FR10B
75292197	Dial gauge (use with 75290774)	FR10B
75292411	Timing device, fuel pump to engine	FD5 FD7 FL5 FL7 FR9B
75295879	Swaging tool, injection nozzle holder	[FL14C FL20 14C FD20 FD30 FD30B FR20 FR20B FR35 FE40] use with 75297686
75296937	Injection tube reamer kit	All Fiat Engine Applications
75297550	Adapter, sprocket removal	FL10C 10C
75297557	Socket, valve sleeve slotted	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
75297559	Wrench, transmission drive shaft tanged	FR20 FR20B
75297560	Clamp, transmission housing	FR20 FR20B
75297562	Socket, clutch pack nut	FR20 FR20B
75297564	Puller, transmission pump	FR20 FR20B
75297569	Compressor, clutch pack spring	FR10 FR11 FR12 FR12B FR15 FR15B
75297575	Transmission switch tester	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
75297577	Clutch pack alignment tool	FR10 FR11 FR12 FR12B FR15 FR15B
75297584	Puller, transmission oil pump	FR10 FR11 FR12 FR12B FR15 FR15B
75297590	Multitester for solenoid current draw	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
75297593	Planetary carrier fixture for vise	FR20 FR20B
75297854	Wrench, sprocket shaft inner bearing nut	[FL20 FD20] second type
75297686	Swaging tool, injection nozzle holder	[FL5 FL7 FR7 FR10 FR12 FE18 FD5 FD7 FD9] second type engine FL10C FL14E FE20 10C FR15 FR15B FG75 FG95 FE28 {FL14C' FL20 14C' FD20 FR20B FR35 FE40 FD30 FD30B} use with 75295879
75297868	Swaging tool, injection nozzle holder	[FL5 FL7 FR7 FR10 FR12 FE18 FD5 FD7 FD9] first type engine FR9 FR10B FR11 FR12B
75297869	Dummy fuel nozzle (use with 75291310)	FL5 FL7 FR10 FR10B FR11 FR12 FR12B FE18 FD5 FD7 FD9

DESCRIPTION	PART#	MODEL USAGE
Adapter, sprocket removal	75297550	FL10C 10C
Clamp, transmission housing	75297560	FR20 FR20B
Clutch pack alignment tool	75297577	FR10 FR11 FR12 FR12B FR15 FR15B
Compressor, clutch pack spring	75297569	FR10 FR11 FR12 FR12B FR15 FR15B
Dial gauge (use with 75290774)	75292197	FR10B
Dummy fuel nozzle (use with 75291310)	75297869	FL5 FL7 FR10 FR10B FR11 FR12 FR12B FE18 FD5 FD7 FD9 FL10C FL14E FE20 10C FR15 FR15B FG75 FG95 FE28 FR9 FR10B FR11 FR12B {FL14C' FL20 14C' FD20 FR20B FR35 FE40 FD30 FD30B} use with 75295879
Injection tube reamer kit	75296937	All Fiat Engine Applications
Multitester for solenoid current draw	75297590	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
Planetary carrier fixture for vise	75297593	FR20 FR20B
Pre-travel tester	75290774	FR10B
Puller, transmission oil pump	75297564	FR20 FR20B
Puller, transmission oil pump	75297584	FR10 FR11 FR12 FR12B FR15 FR15B
Socket, clutch pack nut	75297562	FR20 FR20B
Socket, valve sleeve slotted	75297557	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
Swaging tool, injection nozzle holder	75295879	[FL14C FL20 14C FD20 FD30 FD30B FR20 FR20B FR35 FE40] use with 75297686
Swaging tool, injection nozzle holder	75297686	[FL5 FL7 FR7 FR10 FR12 FE18 FD5 FD7 FD9] second type engine
Swaging tool, injection nozzle holder	75297868	[FL5 FL7 FR7 FR10 FR12 FE18 FD5 FD7 FD9] first type engine
Timing device, fuel pump to engine	75292411	FD5 FD7 FL5 FL7 FR9B
Transmission switch tester	75297575	FR10 FR11 FR12 FR12B FR15 FR15B FR20 FR20B
Wrench, sprocket shaft inner bearing nut	75297854	[FL20 FD20] second type
Wrench, transmission drive shaft tanged	75297559	FR20 FR20B

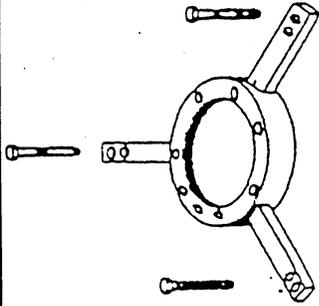
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 <p>75292197</p>	 <p>75297550</p>	 <p>75297562</p>
 <p>75290774</p>	 <p>75296937</p>	 <p>75297560</p>



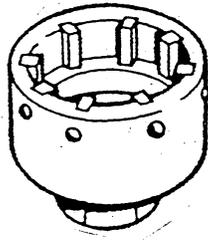
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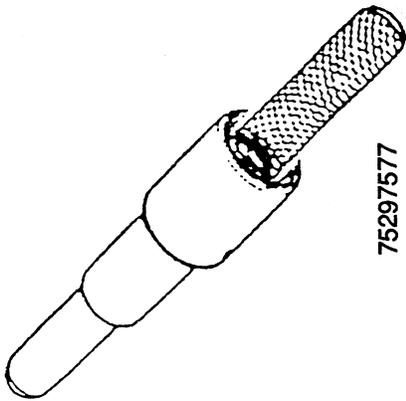
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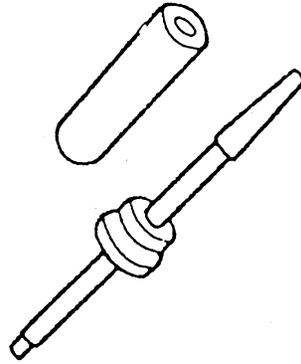
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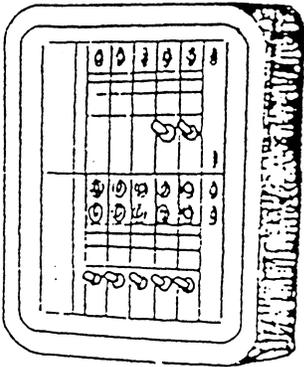
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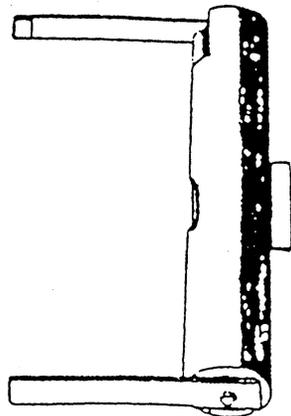
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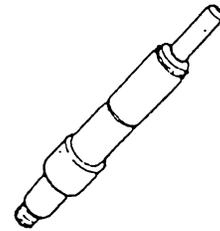
75297686



75297575



75297593



75297869

SUPPLEMENTS
SUPPLEMENTO
SUPPLEMENTS
SUPLEMENTOS

IMPORTANT Check each supplement as received, record the date and insert in your Catalog at once.

IMPORTANTE Alla ricezione di ogni aggiornamento provvedere subito a registrarlo, riportando in questa stessa pagina il numero e la relativa data, e ad inserirlo nel catalogo.

IMPORTANT Vérifier chaque supplément, dès réception, en indiquant la date relative, puis l'insérer immédiatement.

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FOREWORD

This catalog illustrates service tools and equipment recommended by FIAT-ALLIS to perform repairs on the products manufactured and/or sold by FIAT-ALLIS.

The proper application of service tools is illustrated in Service Manuals prepared by FIAT-ALLIS and related vendors.

Read and follow the safety rules outlined in the appropriate manual when using the service tools described in this catalog.

Service tools and equipment may change as a consequence of modifications to the products or changes in repair techniques. The illustrations in this catalog are typical and do not necessarily constitute an engagement by FIAT-ALLIS to supply the tools and/or equipment corresponding to the illustration.

Notification of the introduction of new and/or modification to the service tools and equipment listed in this catalog will be accomplished by supplements as required.

The FIAT-ALLIS Service Organization is at your disposal for any information you may require pertaining to this catalog.

Springfield, January 1980

FIAT-ALLIS

PREMESSA

Gli attrezzi assistenziali e l'attrezzatura illustrati in questo catalogo sono raccomandati dalla FIAT-ALLIS per eseguire le riparazioni dei prodotti fabbricati e/o venduti dalla FIAT-ALLIS.

L'applicazione corretta degli attrezzi di servizio è illustrata nei Manuali di servizio preparati dalla FIAT-ALLIS ed eventuali fornitori.

Quando si devono utilizzare gli attrezzi di servizio descritti in questo catalogo, leggere e seguire le norme di sicurezza dettagliate nei manuali di istruzioni per l'uso e la manutenzione, e di riparazione.

Modifiche ai prodotti o variazioni nelle tecniche di riparazione possano cambiare l'attrezzatura e gli attrezzi di servizio. Le illustrazioni in questo catalogo sono tipiche e non costituiscono necessariamente un impegno dalla FIAT-ALLIS a fornire gli attrezzi e/o l'attrezzatura che corrispondono all'illustrazione.

Informazioni sull'introduzione di nuovi attrezzi e/o modifiche a quelli elencati in questo catalogo saranno diramate con supplementi.

L'organizzazione di assistenza FIAT-ALLIS è Vs. disposizione per fornire le informazioni che potrete necessitare riguardanti questo catalogo.

Springfield, Gennaio 1980

FIAT-ALLIS

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Ce catalogue illustre l'outillage et l'équipement recommandés par FIAT-ALLIS pour l'exécution de réparations sur les produits de fabrication FIAT-ALLIS ou ceux vendus par cette firme.

L'usage correcte de cet outillage est décrit dans les manuels d'atelier composés par FIAT-ALLIS ou par les fournisseurs respectifs.

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Springfield, Janvier 1980

FIAT-ALLIS

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Este catálogo demuestra herramientas de servicio y equipo recomendado por FIAT-ALLIS para efectuar reparaciones en los productos fabricados y/o vendidos por FIAT-ALLIS.

La correcta aplicación de las herramientas de servicio está ilustrada en los manuales de servicio preparados por FIAT-ALLIS y sus relacionados proveedores.

Lea y siga las reglas de seguridad explicadas en el manual apropiado cuando use las herramientas de servicio descritas en este catalogo.

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Springfield, Enero de 1980

FIAT-ALLIS

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REQUEST FOR INFORMATION AND ORDERING PROCEDURES

Place all orders for Service Tools and Equipment from the Parts Depot that normally services your Dealership.

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Inviare tutte le ordinazioni per gli attrezzi di servizio al Magazzino Parti di Ricambio che normalmente Vi fornisce i ricambi.

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Adresser toute commande pour outillage et équipement au dépôt de pièces détachées qui vous livre normalement vos pièces détachées.

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POUR TOUTE INFORMATION AU SUJET DE COMMANDES D'OUTILLAGE, S'ADRESSER A:

PARA ASISTENCIA PARA PEDIR HERRAMIENTAS PONGASE EN COMUNICACION CON LOS SIGUIENTES:

TOOLS AND TIME STUDY
FIAT-ALLIS C.M.I.
1035 Stevenson Drive
Springfield, Illinois 62710 U.S.A.

Tel. 217/789-3143
Telex: 40-6423 FALCON SGF

FIAT-ALLIS M.M.T.
ASSISTENZA TECNICA-MEZZI TECNICI E ADDESTRAMENTO
Viale Torino, 2
10040 Stupinigi (Torino)
ITALIA

Tel.: 63971
Telex: 221410 FIATALIS

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Please fill in necessary information below to acknowledge that you have received the Tool Catalog.

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Por favor, suministre la información necesaria para confirmar que han recibido el Catálogo de Herramientas.

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Inviare a:
L'envoyer à:
Envíelo por correo a:

Fiat-Allis Training Center
1035 Stevenson Drive
Springfield, Illinois 62761
ATTENTION: TOOLS/TIME STUDIO

Dealer Name
Nome del Concessionario
Nom du Concessionnaire
Nombre del distribuidor

Date
Data
Date
Fecha

Dealer Address
Indirizzo del Concessionario
Adresse du Concessionnaire

Dirección Postal

Service Manager Signature
Firma del Capo Assistenza
Signature du Chef de
Service Après Vente
Firma del Gerente de
Servicio

SYSTEM
CODE

CODICE
DEL
SISTEMA

SYMBOLE
DE CODE

CODIGO
DEL
SISTEMA

ALD	Allied Equipment	Equipaggiamenti Accessori	Equipements Associés	Equipo Aliado
BAS	Basic Tools	Attrezzi Basici	Outillage de Base	Herramientas Básicas
ELE	Electrical	Imp. Elettrico	Electricque	Eléctrico
ENG	Engine	Motore	Moteur	Motor
FDR	Final Drive	Riduttore Laterale	Réduction latérale	Mando Final
FIP	Fuel Injection Pump	Pompa Iniezione Combustibile	Pompe à Injection de Carburant	Bomba de Inyección
FRA	Frame	Telaio	Châssis	Bastidor
HYD	Hydraulics	Sist. Idraulico	Hydraulique	Hidráulica
TCC	Trans-Clutch- Conv	Cambio-Frizione- Convertitore	Boîte de Vitesses- Embrayage- Convertisseur	Transmisión, Embrague, Convertidor
TST	Test Instru- ments	Strumenti di Prova	Instruments d'Essai	Instrumentos de Comprobación
TUR	Turbocharger	Turbocompressore	Turbocompresseur	Turboalimentador
UND	Undercarriage	Cingolatura	Train de Roulement	Tren de Rodaje
W&A	Wheels & Axles	Ruote e Assali	Roues et Ponts	Ruedas y Ejes

MODELS AND CODES

Codes have been assigned to identify which models the tool applies to in both the numeric listing and alphabetical listing of tools. A list of models and their appropriate codes is as follows:

CRAWLERS

50 COLUMN:

FD50	X F B
41B	X B
41A	X A

40 COLUMN:

FD40	X F
31	X

30 COLUMN:

FD30	X C F G
21C	X C A G D
21B	X B A G
21P	X P

20 COLUMN:

FD20	X B
FL20	X F
FP60	X P
PL60	X A

14 COLUMN:

FL14C Imp.	X A H D
FL14C	X A H
FL14B	X G
14C Imp.	X A J H D
14C	X A J H
14B	X B G J
PL40	X P G H

10 COLUMN:

FL10C	X A H
FL10B	X A G
10CTA	X
10C	X A C H
10B	X A B G

9 COLUMN:

FL9	X
8B	X
8	X
8BTA	X

7 COLUMN:

FD7	X F
FL7	X F

5 COLUMN:

FL5	X F A
FD5	X F A

WHEEL LOADERS

35 COLUMN:

FR35	X E D B
FR30	X B C E
945B	X C D G

20 COLUMN:

FR20	X F
745C	X A C
745B	X A
745H	X A
745HB	X A
W/ROOSAMASTER PUMP	R

15 COLUMN:

FR15	X F
645B	X B
645	X B
W/SIMMS FUEL PUMP	S
W/ROOSAMASTER PUMP	R

10 COLUMN:

FR12	X F	
FR10	X F	
605B	X B	
605	X B	
545B	X B	
545	X B	
W/SIMMS FUEL PUMP		S
W/ROOSAMASTER PUMP		R

345 COLUMN:

345	X	
W/PERKINS ENGINE		E
W/AC ENGINE		D
W/ROOSAMASTER PUMP		R

7 COLUMN:

FR7	X	
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GRADERS

95 COLUMN:

FG95	X F E G W	
FG85	X F E G W	
FG75	X F E G A	
65B	X B 6 E A	
M65	X B M D	
200C	X B C D G	
150C	X B C D G	
100C	X B H C D	
DD	X B M D	
W/ROOSAMASTER PUMP		R

SCRAPERS

260 COLUMN:

260		X A	
260B		X C	
261B		X C	
262B		X B C	
*262B Front	X F		
*262B Rear	X R		
263B		X B C	
*263B Front	X F		
*263B Rear		X R	
460C		X 4	
W/ROOSAMASTER PUMP			R

*Engine & Transmission

161 COLUMN:

161	X	
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EXCAVATORS

18 COLUMN:

FE18	X A	
FE20	X B	

28 COLUMN:

FE28	X A	
FE40	X B	

F-A PART NUMBER	ENGLISH TOOL DESCRIPTION	STOCK LOCN.	ENG SYS	CRAWLER TRACTOR/LOADERS							WHEEL LOADERS					GRDRS	SCRPRS	EXCVTRS				
				50	40	30	20	14	10	9	7	5	35	20	15	10	345	7	95	260	161	18
70164566	RIM TOOL		W&A																X	X		
70187315	CHAIN WRENCH		BAS										X							X		
70187545	AXLE BEARING PULLER SET		W&A																	A		
70198191	LUG WRENCH		W&A																	A		
70917186	LOCK-UP CLUTCH PISTON INSTALLING PIN		TCC																	X	X	
70919060	PRESSURE CHECK FITTING 1/2 IN. PIPE		HYD				X	X	X	X	X											
73115607	UNDERCARRIAGE GUIDE (FR SP IT ENG)		UND	X	X	A		X	X	X												
75000774	LOCTITE KIT		BAS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
75290004	RACK BUSHING REAMER		FIP				X	X	X	F	F			F				A				X
75290057	BOX WRENCH OFFSET 55 MM		TCC				X	X														
75290061	BOX WRENCH OFFSET 75 MM		FDR				X	X	X													
75290281	TAPPET RETAINING FORK (6)		FIP				X	X	X													
75290282	RACK BUSHING RING WRENCH		FIP				X	X	X													
75290283	GOVERNOR PLUG WRENCH		FIP				X	X	X	F	F			F	F			E				
75290285	TAPPET REMOVER/INSTALLER		FIP				X	X	X													
75290561	CHECK VALVE REMOVER/INSTALLER		HYD				X	A														
75290562	CHECK VALVE REMOVER/INSTALLER		HYD				X	A														
75290583	SPROCKET SHAFT PULLER ADPTR (SCREW TYPE)		FDR					X		D												
75290589	ROD END ADAPTER		UND				P															
75290590	GUIDE PIN		UND				X															
75290591	GUIDE PIN		UND					X														
75290633	INJECTOR SLEEVE REMOVER		ENG				X	X	G	X	D	B		F								B
75290641	TAPPET LIFT CHECKING ADAPTER		FIP				X	X	X	F	F			F				A				
75290687	INJECTOR SLEEVE TAP 24 MM X 1.5		ENG				F	X	X	X	X	D	X	F	F	F	F		E			B X
75290721	SPANNER WRENCH		UND							X												
75290740	LIFTING SLING		ENG						X	X	X											
75290741	THROTTLE PIN REMOVER		FIP															X				
75290742	THROTTLE PIN O-RING INSTALLER		FIP															X				
75290743	ADVANCE TESTER		FIP															X				
75290744	TRANSFER PUMP ROTOR INSTALL/REMOVE TOOL		FIP															X				
75290745	ADAPTER INSTALLING GUIDE		FIP															X				
75290746	ADVANCE PLUG O-RING INSTALLER		FIP															X				
75290747	WRENCH, HYDRAULIC HEAD ROTOR		FIP															X				
75290748	PUMP LEAKAGE TESTER		FIP															X				
75290749	TRANSFER PUMP PRESSURE ADAPTER		FIP															X				
75290753	ADAPTER, COMPRESSOR		FIP															X				
75290754	TORQUE ADAPTER, REGULATION PLATE		FIP															X				
75290757	EXTERNAL TIMING TOOL		FIP															X				
75290758	CAM ADVANCE TORQUE ADAPTER		FIP															X				
75290759	SHAFT INSTALLING GUIDE		FIP															X				
75290808	MASTER PIN DRIVER		UND																			

* = PART OF A KIT (SERVICE PARTS)

SERVICE TOOLS
LISTED BY FIAT-ALLIS PART NO.

F-A PART NUMBER	ENGLISH TOOL DESCRIPTION	STOCK LOCN.	ENG SYS	CRAWLER TRACTOR/LOADERS							WHEEL LOADERS					GRDRS		SCRPRS		EXCVTRS		
				50	40	30	20	14	10	9	7	5	35	20	15	10	34	7	95	260	161	18
75294259	SOCKET 2 3/4 IN HEX 1 1/2 IN DR		BAS	X	X																	X
75294260	SOCKET 2 5/8 IN HEX 1 1/2 IN DR		BAS	X	X																	
75294261	SOCKET 2 1/4 IN HEX 1 1/2 IN DR		BAS	X	X																	
75294262	SOCKET 1 11/16 IN HEX 1 1/2 IN DR		BAS	X	X																	
75294263	FLYWHEEL PULLER 45 X 1.5MM THREAD		FIP			A	X	X				G	F				C	C				B
75294264	INPUT SHAFT HOLDING TOOL		TCC			B																
75294280	SPROCKET INSTALLING TUBE		FDR	X	X																	
75294285	OUTBOARD BEARING INSTALLING TUBE		FDR	A		B																
75294286	SPROCKET PULLER TUBE ADAPTER		FDR	X	X																	
75294287	SPROCKET PULLER TUBE		FDR	X	X		X															
75294288	OUTBOARD BRG INSTALLING TUBE ADAPTER		FDR	A																		
75294289	SPROCKET SHAFT ADAPTER		FDR	A																		
75294290*	SPROCKET PULLER LEG ADAPTER		FDR	X	X	X	X	X	X													
75294295	SPROCKET INSTALLING TUBE		FDR			B																
75294299	SPROCKET SHAFT ADAPTER		FDR			B																
75294300	OUTBOARD BEARING PULLER PLATE		FDR	A																		
75294305	TUBE EXPANDER FOR 1/2 IN TUBE		TCC																		X	
75294306	TUBE EXPANDER FOR 3/4 IN TUBE		TCC			X																
75294307	TUBE EXPANDER FOR 1/2 IN TUBE		TCC	X	X					P	F				X		G					
75294308	TRANS/CONV TESTER 8 GAUGES & FLOW METER		TST	X	X	X	X	X	X	X	X	X	X	X	X	X	G		X	X		
75294309	CYLINDER PORT FILLER PLUG SET		HYD	X	X	X						X	X	X	X				X	X		
75294310	PIVOT PIN PILOT		FRA									X										
75294312	VACUUM GAUGE		TST	X	X																X	
75294313	FUEL PUMP PRESSURE GAUGE		TST	X	X																X	
75294314	VALVE ADJ SCREWDRIVER ADAPTER 3/8 IN DR		ENG	X																		
75294316	SOCKET INSERT FOR 4.50 IN BORE CYL		HYD									G		X							X	
75294317	SOCKET INSERT FOR 6.00 IN BORE CYL		HYD									G	X	X							X	
75294384	DIAL INDICATOR ADAPTER		ENG			A						G									X	
75294394	DELIVERY VALVE HOLDER RING SPANNER		FIP											S	S							
75294395	INJECTOR BARREL SEAT CUTTER		FIP											S	S							
75294449	INJECTION PUMP LIFTING BRACKET		FIP			F	X	X	X	X	X	F	F	F	F		X	X			X	B
75294450	INJECTOR SLEEVE CUTTER		ENG			F						F										
75294458	VALVE GUIDE REMOVER/INSTALLER		ENG			A						G	A	B	B	D		C	X			
75294463*	CARRIER/COVER RETAINING PLATE		FDR	X	X																	
75294464*	FINAL DRIVE ASSEMBLY LIFTING BRACKET		FDR	X	X																	
75294465*	CARRIER/COVER REM/INST GUIDE STUD		FDR	X	X																	
75294466	CARRIER COVER GUIDE SCREW AND NUT		FDR	X	X																	
75294467*	CARRIER/COVER REM/INST SUPPORT ROD		FDR	X	X																	
75294469*	OUTBOARD BEARING PULLER PLATE		FDR	B	X																	
75294470*	SPROCKET SHAFT ADAPTER		FDR	B	X																	
75294471*	OUTBOARD BEARING INSTALLING TUBE		FDR	B	X																	

* = PART OF A KIT (SERVICE PARTS)

SERVICE TOOLS

LISTED BY PART AND PART NO.

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F-A PART NUMBER	ENGLISH TOOL DESCRIPTION	STOCK LOCN.	ENG SYS	CRAWLER TRACTOR/LOADERS							WHEEL LOADERS					GRDRS	SCRPRS	EXCVTRS					
				50	40	30	20	14	10	9	7	5	35	20	15	10	34	7	95	260	161	18	28
75294528	OUTBOARD BEARING BACK-UP RING		FDR	B	X																		
75294530	AXLE BEARING PULLER		W&A														G						
75294533	SOCKET 4 IN HEX 3/4 IN DR		BAS			P								X									
75294535*	OUTBOARD BRG INSTALLING TUBE ADAPTER		FDR			C																	
75294536*	SPROCKET INSTALLING TUBE		FDR			X																	
75294537*	OUTBOARD BRG PULLER SPACER		FDR			C																	
75294538*	SPROCKET SHAFT ADAPTER		FDR			C																	
75294539	OUTBOARD BEARING PULLER PLATE		FDR	X	X	X	B																
75294540	OUTBOARD BEARING BACK-UP RING		FDR			X	B																
75294541	HEAD BOLT WRENCH 3/4 IN 1/2 IN DRIVE		ENG									B	B	D									
75294561	MASTER PIN FORCING PIN		UND		X	X		X															
75294570	BUSHING ASSEMBLY PLATE REAR		UND		X																		
75294573	TRACK BUSHING INSTALLER ADAPTER		UND		X																		
75294574	ROCKER ARM WRENCH		ENG		F		H			F	F					F							
75294575	TRACK BUSHING REMOVAL ADAPTER		UND		X																		
75294577	BRAKE ADJUSTING TOOL		W&A							G		X					X	X					
75294578	CLUTCH ALIGNING PILOT		TCC													D							
75294579	TUBE EXPANDER FOR 1 IN TUBE		TCC																	C			
75294580	TUBE EXPANDER FOR 1 1/8 IN TUBE		TCC																	C			
75294581	TUBE EXPANDER FOR 1 1/2 IN TUBE		TCC																	C			
75294584	SOCKET 3 1/4 IN HEX 3/4 IN DR		TCC																				
75294586	CONVERTER PUMP PULLER		TCC								X	X											
75294587	CONVERTER FREEWHEEL CAM BOLT WRENCH		TCC								X	X											
75294590	FORWARD CLUTCH PISTON HOUSING COMPRESSOR		TCC							X	X	X	X										
75294599	PIVOT PIN PILOT		FRA								X	X											
75294600	PIVOT PIN PILOT		FRA								X												
75294602	SOCKET 5 1/2 IN OCTAGON 3/4 IN DR		W&A								X												
75294606	PILOT SLEEVE FOR 2 1/2 IN PISTON ROD		HYD		X					G	X	X	X				X						
75294607	PISTON PACKING GUIDE FOR 5 1/2 IN CYL.		HYD		X					G								4					
75294614	PISTON PACKING GUIDE FOR 6 IN CYLINDER		HYD							G	X	X							C				
75294615	PISTON PACKING GUIDE FOR 4 1/2 IN CYL		HYD							G		X						X					
75294623	INJECTOR LINE NUT WRENCH		ENG		A					G	A	B				C	C						
75294628	VALVE GUIDE REAMER		ENG								A					C	R						
75294629	DIAL INDICATOR ADAPTER		ENG								A	B	B	D		B	R						
75294640	VALVE SEAT INSERT INSTALLING SET		ENG		A					G	A	B				C	C						
75294641	MOUNTING SLEEVE DRIVE END		FIP		A	D				G	A					C	C				B		
75294642	CYLINDER LINER PULLER		ENG		X			F		X	A	B	B	X		D	X	X		X	X		
75294643	BEARING RETAINER INSTALLER		TUR								A	B	B	D		G	R						
75294713	DRILL PLATE KIT		FDR		B																		
75294714*	DRILL PLATE ASSY TOP PINION OUTER BORE		FDR		B																		
75294715*	DRILL PLATE ASSY TOP PINION INNER BORE		FDR		B																		

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