

Non-Repairable and Limited Repair Products

Contents

- Repair Category Overview1
 - Full Repair1
 - Limited Repair1
 - Non-Repairable1
- Field Computer Repair Status Guide.....2
 - Cruizer.....2
 - Envizio Pro2
 - First Generation.....2
 - Second Generation2
 - Viper Pro3
 - First Generation.....3
 - Second Generation3
- Parts List and Status.....4

Repair Category Overview

All Raven products are grouped into the following three repair categories. Repair categories apply to Raven Repair Centers and Raven Authorized Repair Center partners.

Full Repair

Full repair services are offered. In some instances, due to the overall cost of the repair, items may be deemed uneconomical to repair.

Limited Repair

These products and part numbers have limited repair capability due limited replacement parts and possibly other factors. Raven will not guarantee items can be repaired if returned. If the item cannot be repaired, the customer has the option of either having the item returned at the customer’s expense, or having the item scrapped by Raven.

Non-Repairable

No repair services are offered. Items should not be returned for repair.



Field Computer Repair Status Guide

The following photos and associated text serve as a guide to assist with identifying field computers and repair service category.

Cruizer

Repair Category can be identified by the type of on/off power switch. Those with a push button power switch will have limited repair capabilities.



Non-Repairable
Rocker switch



Limited Repair
Push button

Envizio Pro

Looking through the vent openings on the top of the Envizio Pro, the photos below provide direction on identifying first and second-generation units. The part number and revision can assist in determining the Repair Category, but the actual build hardware will be the final determination, as shown in the photos.



First Generation
Non-Repairable
Heat Sink can be seen through vent openings



Second Generation
Limited Repair
Flat metal can be seen through vent openings.

Viper Pro

Looking through the vent openings on the top-right side of the Viper Pro, the photos below provide direction on identifying first and second-generation units. The part number and revision can assist in determining the Repair Category, but the actual build hardware will be the final determination, as shown in the photos.



First Generation Non-Repairable

Heat Sink can be seen through vent openings



Second Generation Limited Repair

Flat metal can be seen through vent openings.

Parts List and Status

PART NUMBER	DESCRIPTION	STATUS
All Part Numbers	VALVES: ON/OFF OR CONTROL - RECTANGULAR BLUE/BLACK COVER	Non-Repairable
All Part Numbers	SCS/DCS CONTROL SERIAL PORT UPDATE	Non-Repairable
All Part Numbers	CRUIZER (Rocker Power Switch)	Non-Repairable
All part numbers	CRUIZER II (Push Button Power Switch)	Limited Repairs
10630130002	G2 AUTOBOOM CONTROLLER	Non-Repairable
10630159470	FLOWMETER RFM 5	Non-Repairable
10630159531	SCS440 WITH 9V BATTERY BACKUP	Non-Repairable
10630159571	RFM55 FLOWMETER	Non-Repairable
10630159574	FLOWMETER RFM 200 (CAST IRON)	Non-Repairable
10630159603	SCS 500 CONSOLE	Non-Repairable
10630159614	SCS700	Non-Repairable
10630159665	PUMP CAL ASY HIGH VOL JB	Non-Repairable
10630159665S	CALIBRATED PUMP SS HD JB PUMP	Non-Repairable
10630159747	CONSOLE 6 BOOM SCS 450	Limited Repairs
10630159748	SCS710	Non-Repairable
10630159751	FLOWMETER RFM 200 POLY	Non-Repairable
10630159769	CONTROL ASSEMBLY SCS 430 MELROE	Non-Repairable
10630159780	PUMP ASY INJECTION	Non-Repairable
10630159805	SERVO VALVE	Non-Repairable
10630159835	RADAR ASSEMBLY	Non-Repairable
10630159849	CONSOLE SCS 440 JOHN DEERE	Limited Repairs
10630159855	MOTOR/PUMP ASY HIGH VOLUME	Non-Repairable
10630159858	PUMP & MOTOR ASY ULTRA LOW	Non-Repairable
10630159865	SCS 560 CONSOLE	Non-Repairable
10630159875	PUMP/MOTOR SHIPPING UL VOLUME	Non-Repairable
10630159876	PUMP/MOTOR SHIPPING HI VOLUME	Non-Repairable
10630159897	PUMP ASY RAVEN	Non-Repairable

PART NUMBER	DESCRIPTION	STATUS
10630159898	PUMP CALIBRATED RAVEN	Non-Repairable
10630159903	SCS 750 CONSOLE	Non-Repairable
10630159931	CONSOLE ASSEMBLY 6 BOOM SCS431 MELROE	Limited Repairs
10630159938	CONSOLE 6 BOOM SCS 460	Limited Repairs
10630159942	SCS 550 CONSOLE	Non-Repairable
10630159966	RFM400 - FLOWMETER, 4" POLY	Non-Repairable
10630159987	PUMP/MOTOR RAVEN HIVOL	Non-Repairable
10630159990	PUMP/MOTOR SS HEAD JB HIGHVOL	Non-Repairable
10630159991	PUMP/MOTOR SS HD JB LOW	Non-Repairable
10630159994	PUMP/MOTOR SHIPPING HIVOL	Non-Repairable
10630159995	PUMP/MOTOR SHIP ULTRALO	Non-Repairable
10630171017	PUMP/MOTOR LO REV PL	Non-Repairable
10630171018	PUMP/MOTOR HI REV PLTF	Non-Repairable
10630171066	METER ASY FLOW RFM-100	Non-Repairable
10630171115	CONSOLE ASY SCS 330	Limited Repairs
10630171130	PUMP ASY RII SPLIT MAN	Non-Repairable
10630171132	PUMP CAL SPLIT MANIF	Non-Repairable
10630171140	PUMP/MOT LO W/SPLIT MAN	Non-Repairable
10630171183	CONSOLE ASY 440 SERIAL INTERFACE	Limited Repairs
10630171214	CONSOLE ASY 810 FLOW MAX	Non-Repairable
10630171236	CONSOLE ASSY SCS 440 TORO PRO	Limited Repairs
10630171248	PUMP/MOTOR LOR*AL HIVOL ASY	Non-Repairable
10630171249	CONSOLE ASY 460 SER INTERFACE	Limited Repairs
10630171269	CONSOLE SCS 440 HAHN	Limited Repairs
10630171291	CONSOLE 4 BOOM SCS 330	Limited Repairs
10630171344	SCS 700 CONSOLE	Non-Repairable
10630171357	MONITOR ASY FLOW MAX 110	Non-Repairable
10630171412	CONSOLE 440 GOLD ACRES	Limited Repairs

PART NUMBER	DESCRIPTION	STATUS
10630171419	CONSOLE 440 PORTUGUESE SER POR	Limited Repairs
10630171442	CONSOLE ASY SCS 450 PORT	Limited Repairs
10630171446	CONSOLE ASSY GVM SCS 460	Limited Repairs
10630171464	SCS710	Non-Repairable
10630171468	PUMP/MOTER HIVOL GEAR TOOTH	Non-Repairable
10630171503	28V SATLOC SPRAY CONTROLLER	Non-Repairable
10630171623	FLOW METER 100POLY INC PULSE	Non-Repairable
10630171641	FLOWMETER RFM 100 SATLOC	Non-Repairable
10630171687	SCS 760 CONSOLE	Non-Repairable
10630171692	FLOW METER RFM-200/HI PULSE	Non-Repairable
10630171704	CONSOLE BOOM LIGHT SCS 460 SERIAL INTERFACE	Limited Repairs
10630171711	DCS 700 CONSOLE	Non-Repairable
10630171733	SCS 760	Non-Repairable
10630171736	DCS 710 CONSOLE	Non-Repairable
10630171758	CONSOLE ANTI-ICE MONROE	Non-Repairable
10630171824	FLOWMETER 12VOLT DP RFM 100	Non-Repairable
10630171826	FLOWMETER 12 VOLT RFM-200 40	Non-Repairable
10630171837	SCS 760 CONSOLE	Non-Repairable
10630171848	RFM-400 12V 4" FLOWMETER	Non-Repairable
10630171855	CONSOLE DLA-336	Non-Repairable
10630171913	CONSOLE FMC CAPTURE	Non-Repairable
10630171916	PUMP/MOTOR ASSY POUNCE SYSTEM	Non-Repairable
10630171921	INVICTA II 310 RECEIVER	Non-Repairable
10630171922	MBA-4 ANTENNA	Non-Repairable
10630171923	INVICTA 210	Non-Repairable
10630171924	ANTENNA MBA2	Non-Repairable
10630171942	CONSOLE GOLD ACRES SCS 440 DUAL BOOM	Limited Repairs
10630171952	RGL 500 LIGHTBAR (OBSOLETE METAL CASE AND BOARD)	Non-Repairable

PART NUMBER	DESCRIPTION	STATUS
10630171953	SWITCHBOX RGL 500/600 TO RAVEN	Non-Repairable
10630171954	SWITCHBOX RGL500/600 UNIVERSAL	Non-Repairable
10630171962	FLOWMETER RFM200 33 PULSE	Non-Repairable
10630171964	CONSOLE SCS SIDEKICK DIRECT INJECTION	Non-Repairable
10630171967	PUMP CAL. FIXED DISPLACEMENT	Non-Repairable
10630171968	PUMP FIXED DISPLACEMENT	Non-Repairable
10630171990	MAGMETER ASSEMBLY 4 INCH I.D.	Non-Repairable
10630171991	MAGMETER ASSEMBLY 6 INCH I.D.	Non-Repairable
10630172008	CONSOLE DCS 410	Non-Repairable
10630172066	MAGMETER ASSEMBLY 3 INCH I.D.	Non-Repairable
10630172101	PATCH ANTENNA	Non-Repairable
10630172115	RGL500T LIGHTBAR	Non-Repairable
10630172116	INVICTA 110 RECEIVER	Non-Repairable
10630172123	FLOWMETER, FLOW MAX 220	Non-Repairable
10630172143	RADAR ASSEMBLY	Non-Repairable
10630172200	CONSOLE SCS 440 TORO CTRL 28 DISP	Limited Repairs
10630172206	CONTROLLER MANUAL TORO	Non-Repairable
10630172216	VIPER II (REV A AND B)	Non-Repairable
10630172226	MOTOR CONTROL RAVEN	Non-Repairable
10630172270	PUMP/MOTOR HV	Non-Repairable
10630172280	INVICTA II 115 RECEIVER	Non-Repairable
10630172281	CONSOLE SCS 4400	Non-Repairable
10630172301	PUMP CALIBRATED SS RAVEN	Non-Repairable
10630172302	PUMP ASSY SS RAVEN	Non-Repairable
10630172304	PUMP/MOTOR ASSY DIRECT DRIVE	Non-Repairable
10630172320	CONSOLE ASSY SCS 4000 CAN	Non-Repairable
10630172328	CONSOLE SCS 4600 CASE IH	Non-Repairable
10630172343	CONSOLE SCS 4600	Non-Repairable

PART NUMBER	DESCRIPTION	STATUS
10630172346	LIGHTBAR RGL 600	Non-Repairable
10630172348	LIGHTBAR RGL 600T	Non-Repairable
10630172352	PUMP ENCL UL VOL SIDEKICK INJ	Non-Repairable
10630172353	PUMP ADJ STROKE SIDEKICK	Non-Repairable
10630172354	PUMP CAL ADJ STROKE SIDEKICK	Non-Repairable
10630172355	PUMP/MOTOR UL VOL SIDEKICK	Non-Repairable
10630172366	RPR 100S	Non-Repairable
10630172368	SWITCHBOX WIRELESS REMOTE LIGHTBAR	Non-Repairable
10630172373	NODE CAN CONTROL SINGLE PRODC T	Non-Repairable
10630172379	CONSOLE VIPER CASE IH	Non-Repairable
10630172382	FLOWMETER RFM 100 HP DTM	Non-Repairable
10630172383	FLOWMETER RFM200HP W/RSTR DTM	Non-Repairable
10630172384	FLOWMETER RFM 200 DTM	Non-Repairable
10630172385	NODE CAN CONTROL SINGLE PRODUCT 12V FLOW	Non-Repairable
10630172386	NODE CAN CONTROL SINGLE PROD 12V FLOW HIGH CURRENT PWM	Non-Repairable
10630172396	RPR 100S AG LEADER	Non-Repairable
10630172407	FLOWMETER RFM-200 PACKARD	Non-Repairable
10630172428	PUMP MOTOR ASSY 3/4IN INJ PUMP	Non-Repairable
10630172429	CONSOLE DCS410 6BOOM TYLER ICE	Non-Repairable
10630172454	CONTROLLER ASSY SMARTRAX (SHORT BOX)	Non-Repairable
10630172460	NODE CAN CONTROL SINGLE PROD CASE IH	Non-Repairable
10630172466	CONSOLE SCS 460 SERIAL INTERFACE PORTUGUESE	Limited Repairs
10630172475	PUMP/MOTOR ASSY ULTRA LOVOL	Non-Repairable
10630172480	ANTENNA MBA-3	Non-Repairable
10630172483	CONSOLE SIDEKICK RATIO RATE	Non-Repairable
10630172488	CONSOLE SCS 4400 PORTUGUESE/SP	Non-Repairable
10630172493	CONSOLE 4400 PORT/SPAN CASE IH	Non-Repairable
10630172500	MOTOR/TACH DD 3/4IN PUMP	Non-Repairable

PART NUMBER	DESCRIPTION	STATUS
10630172510	PUMP/MOTOR 1-40 OZ/MIN	Non-Repairable
10630172517	BOOM CONTROL 7BOOM PARALLEL BUS	Non-Repairable
10630172527	MOTOR/TACH ASSEMBLY	Non-Repairable
10630172547	RPR 410	Non-Repairable
10630172549	LIGHTBAR RGL 600IC	Non-Repairable
10630172551	CONSOLE TIER CONTROL SCS 4400	Non-Repairable
10630172554	CONSOLE SCS 4600 HAGIE	Non-Repairable
10630172563	CONSOLE TOP AIR SCS 450	Limited Repairs
10630172568	LIGHTBAR RGL600 SPANISH/PORT	Non-Repairable
10630172582	LIGHTBAR RGL 600IC-T	Limited Repairs
10630172583	CONSOLE SCS 4000 PORTUGUESE	Limited Repairs
10630172585	CONSOLE SCS 4600 SPANISH/PORT	Limited Repairs
10630172590	RPR 100G	Non-Repairable
10630172596	LIGHTBAR RGL600IC SPAN/PORT	Limited Repairs
10630172598	ENVIZIO	Non-Repairable
10630172604	PUMP/MOTOR 3/4" INJ PUMP REMAN	Non-Repairable
10630172608	RPR 100G AG LEADER	Non-Repairable
10630172637	INVICTA 210	Non-Repairable
10630172651	ANTENNA MBA-6	Limited Repairs
10630172675	CONTROLLER SMARTRAX INV MOUNT (SHORT BOX)	Non-Repairable
10630172676B	PUMP MOTOR ASSY.5-40OZ/MIN JD	Non-Repairable
10630172682	MAGMETER 200	Non-Repairable
10630172719	PHOENIX 200 AGCO ONLY	Limited Repairs
10630172740	RECEIVER PHOENIX 200 HELIX	Limited Repairs
10630172756	RECEIVER, MGPS PHOENIX 300	Limited Repairs
10630172756X	RECEIVER, MGPS PHOENIX 300	Limited Repairs
10630172762	QUICKTRAX MDU (MECHANICAL DRIVE UNIT)	Non-Repairable
10630172784	CONTROLLER ASSY SMARTRAX II (LONG BOX)	Limited Repairs

PART NUMBER	DESCRIPTION	STATUS
10630172784X	CONTROLLER ASSY SMARTRAX II (LONG BOX - CURRENT COMP)	Limited Repairs
10630172789	ENVIZIO PLUS	Non-Repairable
10630172790	CONVERTER	Non-Repairable
10630172793	CONVERTER	Non-Repairable
10630172821	RPR RECEIVER 310	Non-Repairable
10630172826	CONSOLE VIPER AGCO FINAL ASSY	Non-Repairable
10630172828	SMARTBOOM CNTRL BOX	Non-Repairable
10630172865	CONSOLE ENVIZIO PRO W/GPS 2USB	Non-Repairable
10630172873	CNTRL ASSY RVS MNT SMARTRAX II (LONG BOX)	Limited Repairs
10630172873X	CNTRL ASSY RVS MNT SMARTRAX II (LONG BOX - CURRENT COMP)	Limited Repairs
10630172879	CONSOLE VPRO – REV C AND BELOW	Non-Repairable
10630172896	NODE CAN CONTROL SINGLE PROD 12 V FLOW	Non-Repairable
10630172898	CONSOLE 6-BOOM SCS460 GVM SERIAL INTERFACE	Limited Repairs
10630172913	CONSOLE SCS 4070	Limited Repairs
10630172921	MTR/TACH ASSY 3/4IN LV PUMP JD	Non-Repairable
10630172926	CONSOLE VPRO AGCO – REV C AND BELOW	Non-Repairable
10630172926	CONSOLE VIPER PRO AGCO - REV D AND HIGHER	Limited Repairs
10630172927	CONSOLE VIPER PRO CASE IH	Non-Repairable
10630172939	CONSOLE ENVIZIO PRO W/O GPS	Limited Repairs
10630172951	CONSOLE VIPER PRO AUTOFARM	Non-Repairable
10630172953	LIGHTBAR RGL 600IC EAME AGCO	Limited Repairs
10630172959	CONSOLE ENVIZIO PRO W/GPS 4 USB	Non-Repairable
10630172970	BASE STATION MOBILE AUTOFARM	Non-Repairable
10630172974	CONSOLE ENVIZIO PRO E-DIF	Non-Repairable
10630172990	NODE CAN CONTROL SINGLE PROD HIGH CURRENT CASE IH	Non-Repairable
10630173014	CONSOLE ENVIZIO PRO AUTOFARM, 2USB	Non-Repairable
10630173018	CONSOLE ENVIZIO PRO L-DIF, 2USB	Non-Repairable
10630173021	NODE CAN SEED HAWK SCT	Limited Repairs

PART NUMBER	DESCRIPTION	STATUS
10630173022	NODE CAN SEED HAWK DRILL CART	Limited Repairs
10630173023	NODE CAN 3PROD/AIR CART	Limited Repairs
10630173027	MAGMETER ASSEMBLY 6 INCH I.D.	Non-Repairable
10630173028	MAGMETER ASSEMBLY 4 INCH I.D.	Non-Repairable
10630173029	MAGMETER ASSEMBLY 3 INCH I.D.	Non-Repairable
10630173031	NODE CAN CNTRL SMRTRX 3D	Non-Repairable
10630173042	NODE CAN CONTROL SMARTRAX	Non-Repairable
10630173051	SMARTSTEER MDU	Non-Repairable
10630173053	CNSL VPRO SEED HAWK – REV C AND BELOW	Non-Repairable
10630173053	CONSOLE VIPER PRO SEED HAWK -REV D AND HIGHER	Limited Repairs
10630173061	VIPER PRO CASE IH	Non-Repairable
10630173074	NODE SMARTSTEER 3D	Non-Repairable
10630173075	NODE SMARTSTEER	Non-Repairable
10630173076	CONSOLE SCS 450 SPANISH JD CE	Limited Repairs
10630173077	CONSOLE SCS 450 PORTUGUESE JD CE	Limited Repairs
10630173078	CONSOLE SCS 450 GERMAN JD CE	Limited Repairs
10630173079	CONSOLE SCS 450 FRENCH JD CE	Limited Repairs
10630173096	CONSOLE SCS 450 ENGLISH JD	Limited Repairs
10630173099	SMARTBOOM CONTROLLER - JOHN DEERE	Limited Repairs
10630173145	NODE CAN CONTROL SMARTRAX BUHLER	Non-Repairable
10630173151	VIPER PRO PARADYME	Non-Repairable
10630173173	FIELD HUB VERIZON	Non-Repairable
10630173237	CONSOLE SCS 440 TORO CTRL XP 28 DP	Limited Repairs
10630173238	CONSOLE SCS 450 CE	Limited Repairs
10630173258	CONSOLE ENVIZIO PRO OEM V2	Limited Repairs
10630173301	CONSOLE ENVIZIO PRO II VERSATILE	Limited Repairs
10630173315	CONSOLE EPRO II VERSATILE	Non-Repairable
10630173322	NODE UATI	Non-Repairable

PART NUMBER	DESCRIPTION	STATUS
10630173349	NODE ET SINGLE PRODUCT CONTROL	Non-Repairable
10630173350	NODE ET SMARTRAX 3D	Non-Repairable
10630173352	NODE AGTRON BLOCKAGE	Non-Repairable
10630173359	FLOWMETER AGCO RFM 100	Non-Repairable
10630173369	FLOWMETER AGCO RFM 200 (CAST IRON)	Non-Repairable
10630173370	CONSOLE VIPER PRO ET	Non-Repairable
10630173371	CONSOLE ENVIZIO PRO ET OEM V2	Limited Repairs
10630173378	CONSOLE TOP AIR SCS 4400	Limited Repairs
10630173381	NODE CAN CNTRL SNGL PRODUCT ET	Non-Repairable
10630173400	RFM200 W/O THRDS AGCO	Non-Repairable
10630173409	FIELD COMPUTER VIPER 4 W/GPS	Limited Repairs
10630173410	FIELD COMPUTER VIPER 4	Limited Repairs
10630173425	CONSOLE VIPER PRO ET	Limited Repairs
10630173426	ENVIZIO PRO II ETXDC ET	Limited Repairs
10630173431	CONSOLE VIPER PRO CASE IH ETX-DC	Limited Repairs
10630173477	CNSL SCS 4600 NO DATALOG	Limited Repairs
10630173511	CONSOLE ENVIZIO PRO XL	Limited Repairs
10630173517	CONSOLE ENVIZIO PRO II SCALEABLE GPS	Limited Repairs
10630173518	CONSOLE VIPER PRO VERSATILE	Limited Repairs
10630173537	CONSOLE ENVIZIO PRO II VERSATILE SCALEABLE	Limited Repairs
10630173554	FIELD HUB VERIZON WIFI	Non-Repairable
10630173562	CNSL VIPER 4 W/GPS AGCO	Limited Repairs
10630173563	CNSL VIPER 4 W/O GPS CASEIH	Limited Repairs
10630173564	CONSOLE ENVIZIO PRO II SCALABLE GPS ET	Limited Repairs
10630173565	CNSL VIPER 4 W/O GPS NEW HLLND	Limited Repairs
10630173566	CNSL VIPER 4 W/GPS ET	Limited Repairs
10630173567	CNSL VIPER 4 W/GPS MILLER	Limited Repairs
10630173568	CNSL VIPER 4 W/O GPS MILLER	Limited Repairs

PART NUMBER	DESCRIPTION	STATUS
10630173569	CNSL VIPER 4 W/GPS VRSTL/BHLER	Limited Repairs
10630173570	CNSL VIPER 4 W/GPS HAGIE	Limited Repairs
10630173639	CNSL VIPER 4 W/O GPS AGCO	Limited Repairs
10630173653	FLOWMETER FLOWMAX 221 - ONLY WARRANTY RETURNS ACCEPTED	Limited Repairs
10630173661	RFM 100 HP DTM LESS HDWE	Non-Repairable
10630173669	CONS VIPER 4 ISO VT	Limited Repairs
10630173689	PHOENIX 200 RECEIVER	Limited Repairs
10630173738	CNSL VIPER 4 W/O GPS KINZE	Limited Repairs
10630173739	CNSL VIPER 4 W/GPS RBR	Limited Repairs
10630173742	FIELD COMPUTER VIPER 4 SBG	Limited Repairs
10630173758	FIELD HUB 2.0 GEN 2 VERIZON	Limited Repairs
10630173759	FIELD HUB 2.0 GEN 2 VERIZON WIFI	Limited Repairs
10630173760	CONSOLE SCS 460 GVM 28	Limited Repairs
10630173784	CONTROLLER ASSY SMARTRAX II	Limited Repairs
10630173975	CONSOLE SCS 5000 CAN CASE IH	Limited Repairs
10633001005	NODE CAN CNTRL PLNTR AUXILIARY	Non-Repairable
10633001006	NODE PLNTR/SDR AUX CNTRL	Non-Repairable
10633001009	NODE CAN CNTRL DRLL OMNSD LVL1	Non-Repairable
11170196001	QUICKTRAX KIT	Non-Repairable
11170196002	QUICKTRAX KIT	Non-Repairable
11170196003	SMART STEER MDU2 KIT	Non-Repairable
11179001024	QUICKTRAX KIT	Non-Repairable
11179001027	QUICKTRAX KIT	Non-Repairable
1HE07503000	HEMISPHERE AUTOMATE CONTROLLER	Non-Repairable
1JD0AA68362	PUMP INJECTION UL VOL	Non-Repairable
1JD0AA70271	PUMP/VALVE ASSY PLANTER JD	Non-Repairable
1JD0AA70881	PUMP/VLV PLNTR JD 32 - 36 ROW	Non-Repairable