

Installation instructions - Tillotson T225 RS Gen-2 upgrade kit

ENGINE OWNER WILL BRING THEIR ENGINE TO THE CHANGEOVER AREA CLEAN AND FREE OF GREASE AND DEBRIS.

LESS THE FOLLOWING PARTS:

SPARK PLUG
EXHAUST
INTAKE MANIFOLD & CARB
ENGINE MOUNT

INSTRUCTIONS TO CHANGE OVER PERSONNEL

- REMOVE THE SIDE COVER FUEL LINE & PULSE LINE. (4 BOLTS WITH AN 8MM SOCKET)
- REMOVE INTAKE & EXHAUST STUDS AND RETAIN
- REMOVE THE PLASTIC SHROUD (1 BOLT W/8MM SOCKET)
- REMOVE THE VALVE COVER GASKET AND SET ASIDE
- REMOVE THE HEAD BOLTS (4 BOLTS W/12MM SOCKET)
 - REMOVE HEAD AND PUSH RODS (RETAIN PUSH RODS)
 - REMOVE HEAD GASKET
 - STUFF CLOTH OR RAG IN PUSH ROD GALLEY, THEN USE A RAZOR BLADE TO GENTLY AND FLATLY REMOVE RESIDUAL MATERIAL
- INSTALL NEW HEAD
 - REINSTALL HEAD GASKET WITH PROPER ALIGNMENT W/BLOCK
 - INSTALL NEW HEAD
 - REINSTALL HEAD BOLTS. PUT A SMALL AMOUNT OF GREASE DIRECTLY UNDER THE HEAD BOLT, NOT ON THE THREADS
 - HAND TIGHTEN ALL 4 BOLTS
 - USE A "X" PATTERN TO TIGHTEN ALL 4 BOLTS. THREE PASSES ARE REQUIRED TO REACH MAXIMUM TIGHTNESS OF 216 INCH/LB'S
 - REINSTALL PUSH RODS
 - SET LASH TO .005" BETWEEN VALVE & ROCKER WITH FEELER GAUGE
 - REINSTALL VALVE COVER GASKET
 - REINSTALL VALVE COVER BOLTS (4) AND TIGHTEN; DO NOT USE AN IMPACT WRENCH/GUN
- INSTALL NEW COIL
 - REMOVE EXISTING COIL FORM BLOCK (2 BOLTS USE A 3MM ALLEN WRENCH)
 - REMOVE THE SPARK PLUG WIRE (PULL) AND KILL SWITCH WIRE (FLAT SCREWDRIVER)
 - REINSTALL THE SPARK PLUG WIRE ON THE NEW COIL
 - PLACE SPECIAL CURVED FEELER GAUGE (.028") ON OUTER DIAMETER OF FLYWHEEL BELOW WHERE THE COIL WILL BE BOLTED

- INSTALL NEW COIL. THE COIL SHOULD BE PLACED WITH SLOP TOWARD THE BOTTOM OF THE ENGINE AND THEN TIGHTENED (2 BOLTS USE A 3MM ALLEN WRENCH)
 - INSTALL THE KILL SWITCH WIRE, BEND THE SPADE CONNECTOR TOWARD THE TOP OF THE ENGINE SO IT LAYS FLAT AGAINST THE COIL AND CONNECT THE WIRE THE SAME AS THE OLD ONE WAS CONNECTED
 - PARTIALLY INSTALL THE SIDE COVER SO THE SPARK CAN BE CHECKED.
 - INSERT THE SPARK PLUG INTO THE CAP, GROUND THE PLUG (HOLD AGAINST THE METAL OF THE HEAD OR CASE), AND PULL THE STARTER CORD (FAST TURNOVER) TO CHECK FOR SPARK
-
- FULLY INSTALL SIDE COVER
 - RECONNECT KILL SWITCH, PULSE LINES & FUEL LINE
 - REINSTALL INTAKE AND EXHAUST STUDS UNTIL TIGHT (RECOMMENDED TO USE BLUE LOCTITE)