

7/9/24

1954 Jaguar XK 120 OTS
675728

1. Service call to Fantasy Junction in order to diagnose clutch failure.
2. Receive car from Fantasy Junction in order to remove engine and transmission and replace clutch and flywheel surface.
3. Drain engine coolant from block, and radiator. Drain engine oil into clean container.
4. Mark bonnet for proper realignment, and remove from car.
5. Remove upper and lower radiator hoses from engine and radiator, remove bypass hose from radiator. Unbolt cooling fan from adapter on face of water pump and remove from car. Remove radiator from car.
6. Disconnect generator wires from generator. Remove tension from, and remove fan belt. Unbolt generator from engine block and remove from car.
7. Unbolt exhaust down-pipes from manifolds.
8. Remove tachometer cable from drive housing on rear of engine.
9. Disconnect oil pressure capillary from oil filter boss.
10. Disconnect throttle linkage from carburetors, remove air cleaners, vacuum advance capillary, choke feed pipe, and choke solenoid wires. Unbolt carburetors and remove from engine.
11. Remove clutch pedal from arm, disconnect clutch linkage from eyelet at adjustment point connecting to throw-out bearing rod. Remove cotter pin retaining tension spring, and remove clutch cross rod from bearing in bell-housing.
12. Remove shift knob, driver's and passenger's floor mats, center console, transmission oil fill cover, transmission tunnel carpet. Unbolt and remove transmission tunnel.

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13. Disconnect speedometer cable, driveshaft, and reverse light wires.
14. Unbolt engine mounts and transmission mount. Attach engine hoist to engine and remove engine from car.
15. Remove bell-housing dust cover and unbolt transmission from engine.
16. Remove clutch pressure plate and disc from flywheel. Remove flywheel from engine.
17. Clean flywheel. Remove and replace flywheel friction surface.
18. Deliver flywheel and new pressure plate to machine shop for balancing. Pickup flywheel and pressure plate from machine shop.
19. Replace all three engine mounts and both transmission mounts.
20. Reinstall flywheel onto crankshaft. Install new clutch and pressure plate onto flywheel.
21. Remove old throwout bearing from cross shaft in bell-housing and replace with new unit. Reinstall transmission onto engine.
22. Reinstall engine and transmission assembly into chassis.
23. Reinstall carburetors, air cleaners, generator, radiator and cooling hoses.
24. Reattach exhaust downpipes to engine, and reinstall clutch linkage onto engine. Adjust clutch linkage for proper actuation.
25. Reattach tachometer cable, speedometer cable, reverse light wires, driveshaft and oil pressure capillary.
26. Refill cooling system with coolant and engine with engine oil.
27. Start engine and ensure proper function of clutch.
28. Reinstall transmission tunnel, transmission tunnel carpeting, floor mats, and center console.
29. Reinstall bonnet.